50-004(a,c)
50-011(a)

HSWA LANL 5/1147/50

Stu

Environmental Restoration
University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
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U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: June 13, 1997
Refer to: EM/ER:97-227

RECEIVED JUN 1997

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: RESPONSE TO THE REQUEST FOR SUPPLEMENTAL INFORMATION TO THE NOD RESPONSE FOR RFI REPORT FOR PRSs 50-004(a, c) AND 50-011(a) IN TA-50 (FORMER OU 1147)

Dear Mr. Garcia:

Enclosed is a copy of the Los Alamos National Laboratory's response to the New Mexico Environment Department's request for additional information to the Notice of Deficiency response concerning the Resource Conservation and Recovery Act Facility Investigation Report for Potential Release Sites 50-004(a, c) and 50-011(a) in TA-50. A certification form signed by the appropriate officials is also enclosed. The enclosed response repeats each comment verbatim from the request for additional information for convenience in reviewing.

Please contact Don Krier at (505) 665-7834 or Mike Gilgosch at (505) 667-5794 if you have any questions regarding the response to the request for additional information.

Sincerely,

Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/ss

LANL
5 / 1147 / 50

TG

8845

Enclosures: (1) Interim Action Report for PRSs 50-006(a) TA-50
(2) Certification

Cy (w/ enc.):
M. Gilgosch, LAAO, MS A316
D. Griswold, AL-ERD, MS A906
J. Harry, EES-5, MS M992
D. Krier, EES-1, MS D462
N. Naraine, DOE-HQ, EM-453
D. Neleigh, EPA, R.6, 6PD-N
C. Rodriguez, CIO, MS M769
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RPF, MS M707

S. Dinwiddie, NMED-HRMB
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W. Spurgeon, DOE-HQ, EM-453
J. Vozella, LAAO, MS A316
K. Zamora, LAAO, MS A316
EM/ER File, MS M992

CERTIFICATION

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Document Title: Response to the Request for Supplemental Information for RFI Report for PRSs 50-004(a, c) and 50-011(a) in TA-50 31-001 (Former OU 11147)

Name: _____ Date: 6-13-97

Jorg Jansen, Program Manager
Environmental Restoration Project
Los Alamos National Laboratory

or

Tom Baca, Program Director
Environmental Management
Los Alamos National Laboratory

Name: _____ Date: 6/13/97

Joseph Vozella,
Acting Assistant Area Manager of
Environment Projects
DOE-Los Alamos Area Office

or

Theodore J. Taylor, Program Manager
Environment Restoration Program
DOE-Los Alamos Area Office

SUBJECT: Responses to the NMED's "Request for Supplemental Information for the RCRA Facility Investigation (RFI) Report for Potential Release Sites (PRSs) in Technical Area 50, SWMUs 50-004(a, c) and 50-011(a), at Los Alamos National Laboratory (LANL) NM0890010515" dated May 8, 1997

This letter is the LANL Environmental Restoration Project's response to NMED's Request for Supplemental Information (RSI), dated May 8, 1997, for the TA-50 Decommissioned Waste Line RFI Report. Each point raised by NMED is quoted below and the response follows each point.

Also, we note that your earlier Notice of Deficiency (dated August 19, 1996) for this report indicated that "LANL may request a Class 3 permit modification for SWMU 50-011(a) under No Further Action Criterion 5..." The current RSI appears to walk back from that conclusion, which was generated through an Environmental Protection Agency review of the report.

NMED General Comment 1: "In the revised RFI Report provide information regarding human and ecological risk assessment for SWMUs 50-004(a & c) and 50-011 (a)."

Response to NMED Comment: Chapter 3 of the RFI report provides information on the human health assessment procedure used for evaluating these PRSs. An ecological risk assessment was not performed because it was determined that these subsurface PRSs would not pose an ecological impact due to the industrial setting of TA-50 where most of the site is covered either by buildings or asphalt. However, the Laboratory ER Project, in cooperation with the NMED and EPA Region 6, is developing an approach for ecological risk assessment. This site will be evaluated for ecological concerns as soon as the ecological risk screening assessment methodology is developed, approved, and conducted for this ecological exposure unit.

NMED General Comment 2: "In the revised RFI Report, please include the following information for SWMUs 50-004 (a & c) and 50-011 (a): 1) the organic vapor readings and any associated notes (field screening) for each soil interval from each soil coring; 2) the field laboratory measurement results (especially for the volatile organics) for each soil interval from each soil coring; 3) the lithologic soil descriptions for each soil coring, which would include any noted visual or olfactory contamination. Best Professional Judgment"

Response to NMED Comment: An HNU photo ionization detector was used to screen each core barrel as it was opened. There were no measurements

above 1 ppm. A field laboratory was not used for analysis of the core: all volatile organic analyses were completed at an off-site (contract) laboratory. Copies of the lithologic logs for the core holes are in Attachment 1. Field screening results are shown on the lithologic logs.

NMED General Comment 3: "In the revised RFI Report please include the following for SWMUs 50004(a) and 50-011(a): 1) A table showing the metal, volatile, and semivolatile results for each soil interval analyzed. The table shall include the analytical method used for each "active" sample, and the detection limit for each sample analyzed. The background concentrations for metals and radioactivity shall also be included in this table. Best Professional Judgment."

Response to NMED Comment: The table with the requested information can be found in Attachment 2.

"Page 1-3 of the RFI Report; Section 1.2.1.1: This paragraph mentions that contaminated soil was removed where the pipe leaked, what was the approximate depth (or the depth range) of removal of these areas? Best Professional Judgment."

Response to NMED Specific Comment: Section 1.2.1.1 refers to PRS 50-004(a) and this response is directed to that PRS. The depth of the trench ranged from 5 to 6 feet deep. Obviously, fill material in the trench was removed down 5 to 6 feet in order to remove the pipeline during the earlier decommissioning activities. It is not clear from the available information the depth of the soil (if any) below the pipe which was removed at that time. However, consolidated tuff was encountered during the drilling of our recent core holes and thus samples were collected at or below the depth of where the pipeline leaked. Analytical results from these core samples indicate only low or no levels of contamination.

"Page 5-2 RFI Report, Table 5 1: This table indicates that soil sample AACO258 was taken at .75-1.5 feet; sample AAO259 was taken at 1.5-3.0 feet; and, sample AAB6106 was taken at 3.5-4.25 feet. Previous pages in the report indicate that the trench was 5 to 6 feet in depth, were these samples taken erroneously or did the trench depth change in those locations? Please clarify in the revised RFI Report. Best Professional Judgment."

Response to NMED Specific Comment: Samples AAC0258, AAC0259 and AAB6106 were collected from core hole 50-3028. No samples were erroneously taken. As explained on page 5-2 of the RFI report , core hole 50-3028 was drilled in an open area between Buildings 54 and 69. The original ground

surface was lowered by several feet during the construction of these buildings. The present-day ground surface is therefore at or near the pipeline trench bottom. This accounts for the apparent shallow depth of the collected samples.

"Page 5-9 of the RFI Report; Section 5.2.4: Corehole RDH-3 was not drilled. What alternative investigation technique is LANL planning to replace the corehole work? Also, sample borehole 50-023 was not performed due to overhead utility lines, can the sample location be moved to either side by 10-20 feet, without being affected by the overhead utility line? In addition, soil sample location 50-3024 was not found in Table 5-6. Please include it in the revised report. Best Professional Judgment."

Response to NMED Specific Comment: The radial core holes are scheduled to be drilled in fiscal year 1999 as part of the TA-50-1 building investigation. Subsurface samples were collected at location 50-3023 by hand augering. It is LANL's position that additional core holes (radial or vertical) are unnecessary to characterize the decommissioned waste lines. The waste lines were reported to have leaked at several locations, yet the sample analysis data at 34 core holes show little or no contamination present. The presence of numerous buildings and structures at TA-50 over the former waste lines severely limit potential drilling sites. Open areas between buildings are further restrictive to drilling by the presence of underground and overhead utilities. LANL believes that potential safety and environmental hazards posed by additional drilling at former TA-50 waste lines outweighs any benefits gained from additional sampling, and requests that no further characterization be required for PRSs 50-004(a, c). Sample location 50-5024 was drilled at a location common to both PRSs 50-004(a) and 50-004(c). This sample was evaluated with the 50-004(a) data and the requested information on 50-3024 is found in Table 5-1 in the RFI report.

"Page 5-14; Page 5-14: Sample AAC0230 at the 6-7 foot interval was found to be almost 3 times the background concentration for lead. NMED recommends deeper sampling at this location. Best Professional Judgment."

Response to NMED Specific Comment: Although this lead value (70.1 mg/kg) is above background, there were no other elevated inorganic or radiochemical values reported for the three sampled intervals in this core hole. The decommissioned waste line carried radioactive and chemical wastes. Hence, it would not be unreasonable to expect to find other elevated chemicals levels in the core hole samples. It should also be noted that the reported lead value is an order of magnitude less than the screening action level for lead

(400 mg/kg). The lead value for sample AAC0230 appears to be an anomaly and further sampling based on this low concentration is not warranted.

"Page 5-18; Table 5-9: Table 5-9 does not include the semivolatile results. Also, please include the analytical method used and the detection limit for each result. Best Professional Judgment."

Response to NMED Specific Comment: Table 5-9 does not include the semivolatile results because none were detected. However, a supplemental table with the semivolatile results is enclosed as Attachment 3.

"Page 5-21; Field Investigation: Please include a larger scaled map of the decommissioned septic tank system showing the locations of the soil corings. Also, NMED disagrees with LANL's conclusion that the 45 degree corehole (as required in the approved workplan) which was supposed to intersect the 50 foot shaft is not needed. NMED will require this coring, although it may not be necessary for the coring to be at an 45 degree angle. It would appear that a boring placed next to the 50 foot "drywell" would be sufficient, provided that appropriate sampling intervals were included and that the boring went 55-60 feet in depth. Best Professional Judgment."

Response to NMED Specific Comment: Building TA-50-83 is located over the seepage pit and it is not clear how close a vertical core hole could be drilled to the pit. It seems likely that an angled core hole might be required. The planned drilling activities at TA-50 (building TA-50-1) are currently scheduled for fiscal year 1999 and it is requested that drilling of the core hole be deferred until that time. As requested, a larger scaled map of the decommissioned septic tank system is included as Attachment 4.

Attachment 1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3004 TA/OU 50/1147 Drill Depth From 0 To 10 Page 1 of 1

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-7-94/13:47 End Date/Time 11-7-94/14:03

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = ∅ βγ = 215 VOC = ∅ reading on cuttings 11/28/94	N/A	0-0.5' - med brown fine clay w/ 5-10% med-coarse sand, 60-70% rounded gravels, 20-25% angular clasts of asphalt.	N.C.	FILL	13:47 Cuttings ≅ 90% rounded gravels very loose.
1.0								
2.0	0.5'/5'							
3.0								
4.0								
5.0								13:50/13:52/13:53
6.0	Run 2	AACO 270 5.0-6.25' f Rad/Metal	α = ∅ βγ = 182 VOC = ∅		5.0-6.25' - SAA. % fine clay increases. 6.25-10.0' - Pink grey tuff w/ 30-50% phenos (qtz, sanidine, Feox), 3-5% grey white, sugary, rexstlzd pumice, moderately welded.		TSHIREGE MEMBER OF BANDELIER TUFF	Cuttings w/ finer material.
7.0	5'/5'							
8.0		AACO 271 6.25-7.25' t Rad/Metal						
9.0								
10.0								14:00/14:03/14:06
11.0					TD = 10' Recovery = 5.5'/10' = 55% Drill Rate = 10'/16m = 0.625'/min			0:16
12.0								

Prepared By R. Evans Date 11-9-94 Checked By [illegible] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3005 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 10-27-94/12:10 End Date/Time 10-27-94/12:28

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = 14pm βγ = 223 VOC = Ø	N/A	0 - 2.75' - Red brown, loamy, silty clay w/ 15-20% sand + gravels + 25-35% angular & subrounded grey, red, pink tuff clasts, grasses @ surface, roots 0-1.5'.		FILL	12:10 Drilling. "soft" v. easy penetration. No asphalt top.
1.0					2.25 - 2.75' - Powdered grey tuff clast.			
2.0	2.75'/5'							
3.0								
4.0						NC		
5.0								12:14 Dry barrel
	Run 2	AACO 260 5.25-6.25' + Rad/metal	α Ø βγ 215 VOC Ø		5.0 - 6.25 - SAA			Drilling pressure upto 500 psi. Still soft No apparent interface.
6.0					6.25 - 10' - Pink tuff w/ 25-30% grey sugary recrystd pumice, 40-50% phenos (80-90% qtz, 10-20% sanidine), moderately welded.		TSHIREGE MEMBER OF BANDELIER TUFF	
7.0	5'/5'				6.75' - Horizontal fracture 50% filled w/ orange-brown clay.			
8.0		AACO 261 6.25-7.25 + tfr Rad/metal						
9.0								
10.0								12:28 Dry
11.0					TD 10' Recovery = 7.75'/10' = 77.5% Drill Rate = 10'/18m = 0.56'/min			0:18
12.0								

Prepared By R. Grant Date 10-31-94 Checked By Stephanie L. Clark Date 2-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3007 TA/OU 50/1147 Drill Depth From 0' To 12' Page 1 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-1-94/12:42 End Date/Time 11-1-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 183 VOC = Ø		0 - 3.75' - Med. red brown to grey brown fine clay w/ 15-25% tuff clasts, 1-5% gravels, 5-10% medium - coarse sand. Indurated in zones.			12:42
1.0								
2.0	3.75'/5'							
3.0					grey blue flattened? tuff clasts			
4.0						N.C.		
5.0								12:45/12:47/12:51
	Run 2		α Ø βγ 223 VOC Ø	N/A	5.0 - 8.25' - SAA. 8.25 - 9.25' - Beige to grey brown fine silt, loose, friable w/ 25-45% clasts of pink grey tuff. "chunkey fill"		FILL	
6.0								
7.0	4.25'/5'							
8.0								
9.0								
10.0						N.C.		12:54/12:57/13:00
	Run 3		α Ø βγ 208 VOC Ø		10.0 - 12.25' - SAA			
11.0	2.25'/5'							
12.0								

Prepared By R. Evans Date 11-3-94 Checked By Stephanie Gallegos Date 10-Nov-94

R.1

LOS ALAMOS NAT NAL LABORATORY ENVIRONMENTAL STORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3007 TA/OU 50/1147 Drill Depth From 12' To 20' Page 2 of 2

Driller Elmer Velasquez Box #(s) —— Start Date/Time 11-1-94/ End Date/Time 11-1-94/13:28

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12								
13.0								
14.0						N.C.	FILL	
15.0								13:05/13:09/13:11
16.0	Run 4	AACO 272 16.0-17.0' t Rad/Metal	α ∅ βγ 227 VOC ∅	N/A	15.0 - 17.0 - SAA 17.0 - 19.5' - Pink tuff w/5-10% white grey sugary, recrystlzd pumice, 35-50% phenos (mostly qtz w/ << sanidine & 5-10% Feox), mod. weld.		FILL	
17.0								
18	4.5'/5'	AACO 273 17.0-18.0' t Rad/Metal					TSHIREGE MEMBER OF BANDELIER TUFF	
19.0								
20						N.C.		13:23/13:28/13:32
21.0					TD = 20' Recovery = 14.75'/20' = 73.7% Drilling Rate = 20/46 = 0.43'/min			0:46
22								
23.0								
24.0								

Prepared By R. Evans Date 11-3-94 Checked By Stephanie Cobb Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3008 TA/OU 50/1147 Drill Depth From 0' To 12' Page 1 of 2

Driller Bill Kopp Box #(s) ——— Start Date/Time 11-1-94/9:26 End Date/Time 11-1-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 240 VOC = Ø	N/A	0 - 3.0' - Med brown to dark grey brown (gradual transition 0.25 - 0.5') fine clay w/ 5% angular cobbles, <1-10% altered blue-grey tuff clasts, flattened into lenses, % increases down hole, & 5-10% med - coarse sand.	N.C.	FILL	9:26
1.0								
2.0	3'/5'							
3.0								
4.0								Finish penetrating length of run • Corebarrel delivered to EZ. • finish screening 9:27/9:30/9:34
5.0	Run 2		α Ø βγ 213 VOC Ø		5.0 - 7.25' - SAA. Fade back to brown. 6.5 - Bright orange red stain in clay. 6.5 - 7.25' - Fresher tuff clasts.	N.C.		
6.0								
7.0	2.25'/5'							
8.0								
9.0								
10.0	Run 3		α Ø βγ 229 VOC Ø		10.0 - 12.5' - SAA ARE 11/3/94			
11.0	2.75'/5'							
12.0								

Prepared By R. Evans Date 11/3/94 Checked By Stephanie A. Cobb Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3008 TA/OU 50/1147 Drill Depth From 12' To 20' Page 2 of 2

Driller Bill Kopp Box #(s) ——— Start Date/Time 11-1-94/ End Date/Time 11-1-94/10:05

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12		AACO 274 11.4-12.4' & Rad/Metal		N/A	12.5 - 12.6' - 2" fine - coarse sand w/1-3% fine beige clay.		FILL	
13.0					12.6 - 12.75' - Pink grey tuff w/1-3% grey pumice, sugary, resistid, w/50-60% phenos (mostly qtz, >> sanidine, 5-10% oxidized brown Fe oxides).	N.C.	TSHIREGE MEMBER OF BANDELIER TUFF →	
14.0								
15.0								9:46/9:49
16.0	Run 4	AACO 275 12.4-16.0' & 19.4' & tfr Rad/Metal	α Ø βγ 194 VOC Ø		15.0 - 20.0' - SAA 18.0 - 18.4' - white powder w/ 10-20% qtz phenos. (pumice?) 19.4 - Horizontal fracture, 2mm tk, falls open, lined w/ orange red clay w/ black splotches. clay lining white powder			
17.0	5'/5'							
18								
19.0								
20								9:59/10:05/
21.0					TD = 20' RECOVERY = 13'/20' = 65% DRILLING RATE = 20'/39 min = 0.51'/min			0:39
22								
23.0								
24.0								

Prepared By R. Evans Date 11/3/94 Checked By Stephanie Cotton Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3009 TA/OU 50/1147 Drill Depth From 0' To 12 Page 1 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-1-94/14:04 End Date/Time 11-1-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 231 VOC = Ø	N/A	0-2.0' - Med red brown fine clay w/ 10-25% pink, white + orange tuff clasts, 5-10% med-course sand. 0-0.5' - Roots.	N.C.	FILL	14:04 No asphalt. Due to the ∡ (angle) of the ground to rig set up, only 4' penetration possible on 1st Run.
1.0 2.0 3.0 4.0	2'/4'							14:08/14:10/14:12
5.0	Run 2	AACO 278 5.0-6.0' + Rad/Metal	α = Ø βγ = 246 VOC = Ø		4.0-6.0' - SAA. Red, yellow, grey tuff clasts. 6.0-6.75' - alt. pink/brown banded tuff w/ 5% pumice + 40-50% phenos.			
6.0	2.75'/5'							
7.0 8.0 9.0		AACO 279 6.0-9.5' + Rad/Metal				N.C.	TSHIREGE MEMBER OF BANDELIER TUFF	/14:18
10.0	Run 3		α = Ø βγ = 194 VOC = Ø		9.0-14.0' - SAA. Pink grey. falling apart into "potatoe chips".			
11.0 12.0	5'/5'							

Prepared By R. Evans Date 11-3-94 Checked By Stephanie Cobb Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3009 TA/OU 50/1147 Drill Depth From 12' To 14' Page 2 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-1-94/ End Date/Time 11-1-94/14:30

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12 13.0 14.0		AACO 294 12.25-13.5' for Rad/Metal/VOCs		N/A	12.25 - 13.5' - Orange waxy deposit w/ wedges of white clay-like material. Fracture? 75 wht 75°		TSHIREGE MBR OF BANDELIER	TH /14:30/14:33
15.0 16.0 17.0 18 19.0 20 21.0 22 23.0 24.0					TD = 14' Recovery = 9.75/14 = 69.6% Drill Rate = 14/26 = 0.54'/min			0:26

Prepared By R Evans Date 11-3-94 Checked By [illegible] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3010 TA/OU 50/1147 Drill Depth From 0' To 12' Page 1 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-7-94/12:57 End Date/Time 11-7-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaylical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = ∅ βγ = 245 VOC = ∅		0 - 0.25' - Asphalt. 0.25 - 3.75' - med brown fine clay w/ 5-10% medium - coarse sand, 10-20% gravels, 10-26% clasts of tuff.		ASPHALT FILL	12:57
1.0								
2.0	3.75'/5'							
3.0								
4.0						N.C.		Lower 0.5' - whining auger.
5.0								13:01/13:04/13:06
	Run 2	AACO 280 6.75-7.75' + Rad/Metal	α = ∅ βγ = 223 VOC = ∅	N/A	5.0 - 7.75' - SAA 7.1' - Bright red orange horizon 2-5 mm tk.			
6.0								
7.0	2.75'/5'							
8.0								
9.0						N.C.		
10.0								13:12/13:14/13:16
	Run 3	AACO 281 10.0-11.0' + Rad/Metal	α = ∅ βγ = 218 V = ∅		10.0 - 15.0' - Pink grey tuff w/ 30-40% phenos (qtz, sanidine, red oxidized Fe oxides), 3-5% grey, sugary, recrystlzd pumice, moderately welded.		TSHIREGE MBR. BANDELIER TF.	
11.0	5'/5'							
12.0								

Prepared By [signature] Date 11-9-94 Checked By [signature] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3010 TA/OU 50/1147 Drill Depth From 12' To 15' Page 2 of 2

Driller Elmer Velasquez Box #(s) _____ Start Date/Time 11-7-94/ End Date/Time 11-7-94/13:25

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Analytical Sample Number	Field Screening Results	Top/Bottom of Core in Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12								
13.0				N/A			TSHIREGE MEMBER OF BANDELIER TUFF	
14.0								
15.0								13:22/13:25/13:28
					TD = 15'			0:28
16.0					Recovery = 11.5/15 = 76.6%			
					Drill Rate = 15'/28 m = 0.54'/min.			
17.0								
18								
19.0								
20								
21.0								
22								
23.0								
24.0								

Prepared By R Evans Date 11-9-94 Checked By [illegible] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID ~~50-3011~~ 60-3011 SRE 12/2/94 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-7-94/11:05 End Date/Time 11-7-94/11:19

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = ∅ βγ = 202 VOC = ∅	N/A	0 - 0.25' - Asphalt. 0.25 - 3.75' - med red brown fine clay w/ 5 - 15% med - coarse sand, 15 - 25% gravels, 20 - 30% tuff clasts.	Asphalt N.C.	FILL	11:05
1.0 2.0 3.0 4.0	3.75'/5'							
5.0	Run 2	AACO 276 7.0-8.0' + Rad/Metal	α = ∅ βγ = 251 VOC = ∅		5.0 - 8.0' - SAA. Tuff clast > 1'. 8.0 - 9.5' - Grey slight pink tuff w/ 40 - 50% phenos (qtz, sanidine) + 5 - 10% grey, sugary, resstlzd pumice, moderate welded.			11:08/11:11/11:14
6.0 7.0	4.5'/5'							
8.0		AACO 277 8.0-9.0' + Rad/Metal				N.C.	TSHI REGE MBR OF BANDELIER T.	/11:19/11:22
9.0 10.0								
11.0 12.0					TD = 10' Recovery = 8.25'/10' = 82.5% Drill Rate = 10'/14 m = 0.71'/min.			0:14

Prepared By R. Grant Date 11-9-94 Checked By [signature] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3012 TA/OU 50/1147 Drill Depth From 0' To 12' Page 1 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-1-94/11:07 End Date/Time 11-1-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core in Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 229 VOC = Ø		0 - 3.0' - Med brown fine clay w/ 10 - 25% gravels + clasts of grey tuff, 10 - 25% med to coarse sand. (0 - 0.25' - 75% sand.)	N.C.	FILL	11:07
1.0 2.0 3.0 4.0	3'/5'							
5.0								11:11/11:14/11:17
	Run 2	AACO 262 7.0 - 8.0' t Rad/Metal	α Ø βγ 250 VOC Ø	N/A	5.0 - 8.0' - SAA 35-50% alt pink grey + grey clast of friable tuff. 8.0 - 8.5' - Pink tuff wedged in shoe.			
6.0 7.0	3.5'/5'							
8.0		AACO 263 8.0 - 11.0' t Rad/Metal				N.C.	TSHIREGE MEMBER OF BANDELIER TUFF	
10.0			VOCs					11:21/11:23/11:27
	Run 3		α Ø βγ 221 VOC Ø		10.0 - 15.0' - Pink tuff w/3-5% grey recrystlzd pumice + 40-50% phenos (mostly qtz), mod. welded.			
11.0 12.0	5'/5'							~12.0' auger "singing"

Prepared By R. Evans Date 11-3-94 Checked By [illegible] Date 10-Nov 94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3012 TA/OU 50/1147 Drill Depth From 12' To 15' Page 2 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-1-94/ End Date/Time 11-1-94/11:36

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12				N/A	13.5 - 4" White - grey fine powder w/ 10% qtz phenos. (pumice?)		TSHIREGE MEMBER OF BANDELIER TUFF	11:32/11:36/11:40
15.0					TD = 15'			0:29
16.0					Recovery = 11.5/15 = 76.7%			
17.0					Drill Rate = 15/29 = 0.52'/min			
18								
19.0								
20								
21.0								
22								
23.0								
24.0								

Prepared By R. Evans Date 11-3-94 Checked By [signature] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3014 TA/OU 50/1147 Drill Depth From 0 To 9.3' Page 1 of 1

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-1-94/10:27 End Date/Time 11-1-94/10:44

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = ∅ βγ = 186 VOC = ∅	N/A	0 - 3.5' - Red - med brown fine clay w/ 10-25% gravels + clasts of tuff, 5-10% med - coarse sand.	NC.	FILL	10:27
1.0								
2.0	3.5'/5'							
3.0								
4.0								
5.0								10:29/10:32
6.0	Run 2	AACO 264 6.5 - 7.5' f Rad/ Metal/ VOC...	α ∅ βγ 225 VOC ∅		5.0 - 7.5' - SAA 7.5 - 8.5' - alt pink tuff w/ 5-10% grey resstlzd, sugary pumice, 40 - 50% phenos (mostly qtz). 7.75 - 8.25' - 70° fracture w/ brown stain.			
7.0	3.5'/4.3'							TSHIREGE MBR OF BANDELIER TUFF.
8.0		AACO 265 7.5 - 8.5' f + fr Rad/ Metal				70° NC.	TUFF	@ ~ 9.3' drill bit encountered impenetrable material. Sub-surface Cement has been reported in area. 10:40/10:44
9.0								
10.0					TD = 9.3' RECOVERY = 7'/9.3' = 75% DRILL RATE = 9.3'/17 min = 0.55'/min			0:17
11.0								
12.0								

Prepared By R. Evans Date 11-3-94 Checked By [illegible] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3016 TA/OU 50/1147 Drill Depth From 0' To 12' Page 1 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 10-27-94/12:51 End Date/Time 10-27-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 227 VOC = Ø		0 - 3' - Med. brown fine silty clay w/ 15-30% ang + rounded red, pink, grey tuff clasts, 10-15% angular + rounded cobbles, 10-15% med-coarse sand + gravels. Grasses at top, roots 0-1.5'.		FILL	12:51 Drilling 1-2' 200 psi
1.0								
2.0	3'/5'							
3.0								2-5' 200 psi
4.0						N.C.		
5.0								12:56/12:59
	Run 2		α Ø βγ 236 VOC Ø	N/A	5.0 - 7.~~5~~5' - SAA. Some clasts of tuff grey & fresh. ~~7.25' - 7.5'~~ SRE. 10/31/94			
6.0								
7.0	2.5'/5'							Scraping sound in lower run, last 1-2'.
8.0								
9.0						N.C.		
10.0								13:08
	Run 3	AACO 266 10-11' f Rad/Metal	α Ø βγ 244 VOC Ø		10.0 - 11.0' - SAA 11.0' - 15.0' - Pink tuff w/ 10-25% grey pink pumice, sugary, rexs/zd, 30-50% phenos (qtz, sanidine, brown oxidized Fe oxides),			13:20 Drill stem dipping 3-5° to SE.
11.0	5'/5'	AACO 267 11-12' Rad/M + + c-					TSHIRGE MBR	500 psi Hard
12.0								

Prepared By R. Evans Date 10-31-94 Checked By Stephanie J. Cole Date 2-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3016 TA/OU 50/1147 Drill Depth From 12' To 15' Page 2 of 2

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 10-27-94/ End Date/Time 10-27-94/13:26

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12		AACO 292 12.5-13.6' fr + pumice halo Rad/ Metal/ SVOL			11.? – 12.25 - Vertical tight fracture, 1mm tk, yellow brown stain. 12.5'- 2" grey round pumice w/1-2mm tk red brown halo 13.0-13.25'- Fracture, 2mm tk, damp, orange brown clay w/ black splotches. 13.6- Fracture SAA.			13:26
13.0								
14.0								
15.0					TD 15' Recovery 10.5'/15' = ~~0~~ 70% DKE 10/31/94 Drill Rate 15'/35m = 0.43'/min			0:35
16.0								
17.0								
18.0								
19.0								
20.0								
21.0								
22.0								
23.0								
24.0								

Prepared By R. Evans Date 10-31-94 Checked By Stephanie Cobb Date 2-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3017 TA/OU 50/1147 Drill Depth From 0' To 12.0' Page 1 of 2

Driller Blair Art Box #(s) ——— Start Date/Time 10-27-94/9:46 End Date/Time 10-27-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 206 VOC = Ø		0 - 2.25' - Med. brown fine clay w/25-35% pink - grey alt tuff (rounded clasts) + 5-15% med - coarse sand + gravels. 1.25' - Dark pink/red rndd tuff clast. 1.4' - Bright orange splotch 1.5"x1" on/in clay of fill. (sampled w/ fill). 2' - 2.5" grey tuff clast. 2.25' - ≥2"? black asphalt w/gravels. 2.25-2.5' - Dark pink alt. tuff jammed into shoe.		FILL ?? BROKEN ASPHALT	9:46 Drilling ~1' higher topographically than 50-3018. 9:50 @ ~3' heard a scraping sound, drill stem vibrating. Grey tuff rubble in cuttings sample. "Seemed to punch through, but continued to be hard."
1.0								
2.0	2.5'/5'							
3.0						N.C.		
4.0								
5.0								9:52/9:56
6.0	Run 2	AACO 268 7'-10.5' (N.C. 8-10') + Rad/Metals	α Ø βγ 200 VOC Ø	N/A	5.0 - 8.0' - Same as 0-2.25' above.		FILL	RCT: 300 βγ ~ 2x background (150 cpm). measured in cuttings. Driller: "200 psi 5 - 10'."
7.0	3'/5'							
8.0								
9.0						N.C.		
10.0								10:16
11.0	Run 3	AACO 269 10.5-11.5' + Rad/Metals	α Ø βγ 188 VOC Ø		10 - 10.5 - SAA 10.5 - 15.0' - Dark pink, red tuff, alt, falling apart horizontally ≡ when handled, w/10-20% grey sugary recrystlzd pumice, (continued)		TSHIREGE MBR	1100 psi throughout. Not able to penetrate last few inches.
12.0	5'/5'							

Prepared By R. Evans Date 10-28-94 Checked By [illegible] Date 2-Nov-94.

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3017 TA/OU 50/1147 Drill Depth From 12' To 15' Page 2 of 2

Driller Blair Art Box #(s) ——— Start Date/Time 10-27-94/ End Date/Time 10-27-94/10:36

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaylical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12		AACO 291 @12.5' + 14.5' for Rad/Metal			(10.5 - 15.0 continued) - w/ 40-50% phenos (mostly qtz, sanidine). 12.5' - Tight fracture <2mm tk, filled w/ orange brown clay. 14.5' - Fracture SAA.	20° 20°	TSHIRECE MEMBER OF BANDELIER TUFF.	10:36
13.0								
14.0								
15.0					TD = 15.0' Recovery = 10.5'/15' = 70% Drill Rate = 15'/50m = 0.3'/min			0:50
16.0								
17.0								
18.0								
19.0								
20.0								
21.0								
22.0								
23.0								
24.0								

Prepared By R. Grant Date 10-28-94 Checked By [illegible] Date 2-Nov-92

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3018 TA/OU 50/1147 Drill Depth From 0' To 12.0' Page 1 of 2

Driller Bill Kopp Box #(s) ——— Start Date/Time 10-27-94/8:34 End Date/Time 10-27-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaylical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 225 VOC = Ø		0 - 1.25' - Red brown fine clay w/ 20-25% clasts of alt pink tuff, 1-5% ∑ clasts of asphalt, 5-10% gravel, <5% sand.		FILL	8:34 Drilling. Drill Stem dipping 3° to N
1.0								200 psi until 4.5' 300 psi.
2.0	1.75'/4'				1.25 - 1.5' - Small grains of black asphalt + 25% gravel. No "skin".		? BURIED ASPHALT	4' run due to ∑ of rig set up.
3.0			LRL 10/28/94 249		1.5 - 1.75' - Same as 0 - 1.25'.	NC.	FILL	
4.0								8:37/8:42 Dry barrel
	Run 2	AACO 249 6-7' ∑ Rad/Metal	α Ø βγ 160 VOC Ø	N/A	4.0 - 6.5 - SAA.		FILL	
5.0					6.0' - Piece of metal (aluminum?) encountered in drilling, came up in cuttings. No fresh edges, no rad. (culvert?)			
6.0	4'/5'				6.5 - 7.0' - SAA except Orange clay rich zone.			
7.0		AACO 250 ∑ + fr 7-9.5' Rad/Metal			7.0 - 7.8' - Dark pink, red alt tuff w/ 40-50% phenos (mostly qtz), 5-10% yellow + grey pumice, sugary recrystlzd, flattened, mod. welded.			
8.0						N.C.	TSHIREGE MEMBER OF BANDELIER TUFF	
9.0								8:52
	Run 3	AACO 290 10.5-12.5' fr Rad/Metal VOCs...	α Ø βγ 200 VOC Ø		9.0 - 14.0' - SAA 0°			
10.0	5/5'				9.15' - Horizontal fracture w/ dark brown scaly deposit. 30°			
11.0					10.5' - Fracture 3mm tk red clay filled. 10.6' - 11.6' SAA 3-5 mm tk. Subvertical.			
12.0								

Prepared By R. Evans Date 10-28-94 Checked By [illegible] Date 2-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3018 TA/OU 50/1147 Drill Depth From 12' To 14' Page 2 of 2

Driller Bill Kopp Box #(s) ——— Start Date/Time 10-27-94/ End Date/Time 10-27-94/9:05

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12					12.5' - Fracture SAA. 20°		TONIREGE MBR OF BANDELIER TF	
13.0								
14.0								9:05 Dry barrel
					TD 14' Recovery = 10.75'/14' = 76.8% Drill Rate = 14'/31 min = 0.45'/min			0:31
15.0								
16.0								
17.0								
18.0								
19.0								
20.0								
21.0								
22.0								
23.0								
24.0								

Prepared By R. Evans Date 10-28-94 Checked By Stephanie J. Cole Date 2-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3020 TA/OU 50/1147 Drill Depth From 0' To 12.0' Page 1 of 2

Driller Blair Art Box #(s) ——— Start Date/Time 10-27-94/14:30 End Date/Time 10-27-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core in Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 252 VOC = Ø		0-1.0' - Tan sand w/ 25-35% rounded cobbles, 4% angular clasts of asphalt. 1.0-2.0' - Brown fine clay w/ 10-25% angular & subrounded grey tuff clasts, 10-15% gravels to cobbles, 10-15% med. to coarse sand.	N.C.	FILL	14:30 Drilling "100 psi the whole way" Have 4 core barrels RR expects f/t interface @ least 15'. 2.5' run not possible.
1.0 2.0 3.0 4.0 5.0	2'/5'							14:36/14:41 Dry
6.0	Run 2	AACO 252 5-6.0' f Rad/Metal AACO 253 6-7.0' t Rad/Metal AACO 293 7-9.5' fr Rad/Metal VOCs	α Ø βγ 248 VOC Ø	N/A	5.0-6.25' - SAA. Compacted 6.25-9.5' - Pink grey to grey tuff, altered w/ <3% grey sugary rxstlzd pumice, 40-50% phenos (mostly qtz, some sanidine), crumbling + falling apart. 7.0-9.5' - Fracture cluster, tight, subverticle, lined w/ white fine grained material, also rock stained orange red.	N.C.	TSHIREGE MEMBER OF BANDELIER TUFF	5-8' 200 psi 8-10' 500 psi RCT detected βγ 300 cpm ~ 2x BG. α Ø. 14:51/14:55 Dry
7.0 8.0 9.0 10.0	4.5'/5'							
11.0 12.0	Run 3 4'/5'		α Ø βγ 248 Voc Ø		10-14.0' - SAA. So soft the core can be indented w/ thumb. 11.0', 11.5' - Brown orange zones, sub-horizontal band across core.			

Prepared By R. Evans Date 10-31-94 Checked By Stephanie Clark Date 1-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3020 TA/OU 50/1147 Drill Depth From 12' To 15' Page 2 of 2

Driller Blair Art Box #(s) ——— Start Date/Time 10-27-94/ End Date/Time 10-27-94/15:10

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaylical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12					12.5 - 13.0 - Solid, competent tuff.	N.C.	TSHIREGE MEMBER OF BANDELIER TUFF	15:10
13.0								
14.0								
15.0					TD = 15.0'			0:40
16.0					Recovery = 10.5'/15' = 70%			
17.0					Drill Rate = 15'/40m = 0.375'/min			
18.0								
19.0								
20.0								
21.0								
22.0								
23.0								
24.0								

Prepared By R. Evans Date 10-31-94 Checked By Stephanie Chi Date 2-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3021 TA/OU 50/1147 Drill Depth From 0' To 9.5' Page 1 of 1

Driller Bill Koppetal Box #(s) ——— Start Date/Time 10-18-94/13:15 End Date/Time 10-18-94/13:45

Drilling Equip./Method Hand Auger Sampling Equip./Method

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core in Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0					0-9.0' Red brown silty, sandy fine clay.			13:15
1.0								
2.0								
3.0								
4.0								
5.0				N/A	5.0'-9.0' Chunks of grey tuff begin to appear.			13:30 ~ 5.0'
6.0								
7.0	AACO 220 7-9' f Rad/ Metals							
8.0								
9.0	AACO 221 9-9.5' f Rad/ Metals							Very difficult to penetrate. 13:45
10.0					TD = 9.5'			0:30 Stop due to lack of penetration
11.0								
12.0								

Prepared By R. Evans Date 10-26-94 Checked By S. Baker Date 26-Oct

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3023 TA/OU 50/1147 Drill Depth From 6' To 6.5' Page 1 of 1

Driller: Richard Romero et al Box #(s) — Start Date/Time 10-18-94/13:00 End Date/Time 10-19-94/11:53

Drilling Equip./Method Hand Auger Sampling Equip./Method

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run N/A		α = NDA βγ = 182 VOC = NDA		0 -			10-18-94 10 x 3023 10-19-94 30 10-19-94 20 11:30 Start drilling 3rd hole for 50-3023.
1.0								
2.0					~2.5' - wx tuff clasts, pink-grey appear in brown fine loamy clay. ~3.0' - Rounded quartzite cobbles appear ~3.5' - Grey angular, weathered clasts of tuff appear w/ 25-35% qtz phenos.			
3.0								
4.0								
5.0		AA CO 231 5.6-6.5 f Rad/Metal	βγ = 138		5.0' - "Clean" white tuff clasts appear. Aftd SLE 10/26/94 5.8' - ~~wx~~ pink-grey clasts of tuff w/ 25% phenos (qtz).			11:46
6.0			βγ = 107					11:53
7.0					TD = 6.5'			0:23
8.0								
9.0								
10.0								
11.0								
12.0								

Prepared By R. Evans Date 10-26-94 Checked By S. Coker Date 26-OCT-94

R1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3024 TA/OU 50/1147 Drill Depth From 0' To 7' Page 1 of 1

Driller Richard Romero Box #(s) — Start Date/Time 10-19-94/10:35 End Date/Time 10-19/94/11:00

Drilling Equip./Method Hand Auger Sampling Equip./Method

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run NA		α = NDA βγ = 127 VOC = NDA		0-0' - ? dark brown loamy fine mud w/ 1-10% angular clasts of tuff. fine roots in upper footage.			10:35 Start turning.
1.0								
2.0								
				N/A				
3.0	7'/7'				? to 4.75' - Increasing tuff clast % age 10-15%. Rounded quartzite cobbles + gravels in qtz rich coarse sand			
4.0		AACO 227 f 4.5-5. Rad/Metal	5'					
5.0					fine muds, clays			
6.0		AACO 228 6-7' ? Rad/Metal	α NDA βα 746 /VOA/SVOA/PCB		75% clasts of alt tuff.			Penetration v. difficult. 11:00
7.0					TD 7.0'			Stop due to lack of penetration. 0:25
8.0								
9.0								
10.0								
11.0								
12.0								

Prepared By R. Evans Date 10/24/94 Checked By S. Cohen Date 3-6-00

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3025 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 10-25-94/12:55 End Date/Time 10-25-94/13:15

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = NDA βγ = 176 VOC = NDA		0-0.5'- Red orange brown sand w/ 25-35% gravels. 0.5-1.5'- Grey/pale brown to med brown sand w/ 25-35% gravels 1.5-25' med brown fine clay w/ 3% ↓ grey tuff clasts (alt, powdery + soft, still hold together), 15-20% gravels in upper 0.5', plastic ribbon, 10-15% sand. Small (4mm x 1mm) pale tan horiz lenses.	N.C.	FILL	12:55 Drilling. As of 10-19-94 asphalt removed by jack-hammer.
1.0								
2.0	2.5'/5'							
3.0								Squeaking, scraping sound
4.0								
5.0								13:02 Dry barrel
6.0	Run 2	AACO 254 5'-6.1' f Red/metal	α = NDA βγ = 214 VOC = NDA	N/A	5.0'-6.25'- med brown fine clay w/ ~~3-5%~~ large (0.75') v. alt brown tuff clast + 3-5% qtz. sand. 6.25'- 3mm tk red fine clay horizon. 6.25-8.9'- Pink/grey tuff mottled w/ orange brown horizontal zones @ 7.0, 8.0 + 8.9'. <1% white sugary, powdery pumice + 45-55% phenos (qtz), mod. welding. 8.9'- Sharp contrast of brown tuff over pink grey tuff.		TSHIREGE MEMBER OF BANDELIER TUFF	
7.0	5'/5'	AACO 255 6.1-7.0' f Red/metal						
8.0								
9.0								
10.0								13:15 Dry barrel
11.0					TD 10' Recovery = 7.5'/10' = 75%. Drill rate = 10'/20m = 0.5'/min			0:20
12.0								

Prepared By R. Evans Date 10-25-94 Checked By S. Coker Date [illegible]

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3026 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Blair Art Box #(s) ——— Start Date/Time 10-25-94/11:49 End Date/Time 10-25-94/12:15

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Coreloarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = NDA βγ = 208 VOC = NDA		0-0.5' - 25% Quartzite (dark) gravels in sand. 0.5'-1.3' - Med brown to slight grey fine clay w/ 10% ~~X~~ tuff clasts (grey w/ bright ox? red inclusion), 1.5" max diam. 1.3-1.75' - Red brown fine clay w/ 25-30% rounded quartzite cobbles + 10-20% qtz & dark lithic sand. 1.75-2.75' - Dark brown to med red brown v. alt tuff w/ <1% pumice, 10-20% phenos (qtz) Clast?	N.C.	FILL	11:49 ~1.5' short-lived resistance reported by driller. 11:58 Dry barrel
1.0								
2.0	2.75'/5'							
3.0								
4.0								
5.0	Run 2	AACO 256 6-7' f Red/Metal AACO 257 7-8' t Red/Metal	α = NDA βγ = 218 VOC = NDA		5.0 - ~~5.5'~~ 10/26/94 See bottom of v. alt tuff clast. 5.0-5.5' - Red brown fine clay w/ 10-20% sand. 5.5-7.5' - Red orange brown clay w/ 25-30% qtz sand & 20-25% large (<10") alt pink tuff clasts. 7.5' - 2mm tk clay. 7.5-9.0' - Pink-grey tuff w/ v. alt. ox. red brown zones, sugary texture, 1-3% v. sugary, resistlzd, grey pumice & 40-60% phenos (qtz mostly) in med. welded matrix.	N.C.	TSHIRECG MBR CANDELLER TUFF	Last 3-4" hard & resistant reported by driller. 12:15 Dry barrel
6.0								
7.0	3.8'/5'							
8.0								
9.0								
10.0					TD = 10' Recovery = 6.55'/10' = 65.5% Drilling Rate = 10'/26 min = 0.38'/min			0:26
11.0								
12.0								

Prepared By R C Evans Date 10-25-94 Checked By L. Coker Date 26-6

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3028 TA/OU 50/1147 Drill Depth From 0' To 5' Page 1 of 1

Driller Bill Kopp Box #(s) ——— Start Date/Time 10-25-94/10:04 End Date/Time 10-25-94/10:10

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core in Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1	AACO 258 0.75-1.5' f Rad/Metal	α = NDA βγ = 201 VOC = NDA	N/A	0 - 0.25' - med brown clay w/ grasses. 0.25 - 0.8' - Grey - lt brown silty clay w/ 20% qtz sand. 0.8 - 1.5' - 5-10% gravels + sand in brown clay.		← FILL →	10:04 Drilling no asphalt here.
1.0								
2.0	4.5'/5'	AACO 259 1.5-3.0' t-fr Rad/Metal			1.5' - 3.5' - Undulating contact w/ pink tuff w/ 10-15% phenos (mostly qtz), oxidized red brown flat blotches along otherwise unfilled fracture. 2.5 - 3.25' - Curving subvertical unfilled fracture.		TSHIRGE MEMBER OF BANDELIER TUFF	
3.0								
4.0		AAB 6106 3.5-4.25'	"fr" "surge?" Rad/Metal		3.5 - 4.25' - Horizontally banded yellow to brown 70-90% qtz med sand, 5-10% dark lithics, 10-15% fine yellow brown ash. Surge deposit? gradational top, sharp bottom contact.	N.C.		10:10
5.0					4.25 - 4.5' - Pink tuff 10-25% phenos (qtz), <1% grey v. alt pumice (powder).			0:06
6.0								
7.0					TD = 5' Recovery = 4.5'/5' = 90% Drill rate = 5'/6 min = 0.83'/min			
8.0								
9.0								
10.0								
11.0								
12.0								

Prepared By R. Evans Date 10/25/94 Checked By S. Cohen Date 26-11

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-5030 TA/OU 50/1147 Drill Depth From 0 To 10' Page 1 of 1

Driller Bill Kopp Box #(s) ——— Start Date/Time 10-18-94/9:02 End Date/Time 10-18-94/9:24

Drilling Equip./Metnod CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1	AACO 229 1-1.5' & Rad/Metal	α = NDA βγ = 160 VOC = NDA		0-0.5' - Asphalt & quartzite cobbles (1.5').		Asphalt	9:02 Spud into asphalt, change drill bit + insert corebarrel.
1.0					0.5'-1.5' - Crushed, angular clasts of light brown to grey tuff (altered) w/ 10-20% phenos (mostly qtz) & 1% lithics.			
2.0	2'/5'							9:10 Drilling. Fill coming out of "annulus."
3.0						NC	←?— FILL —?→	NOTE: DWL JUNCTION IN PECOS ROAD.
4.0								
5.0								9:15 Wet shoe
	Run 2	AACO 230 5.5-6.5' & Rad/Metal	α = NDA βγ = 220 VOC = NDA	N/A	5.0-9.5' - Light grey tuff w/ 15-25% phenos (qtz, sanidine), 1-5% grey pumice (sugary, recrystallized, v. slightly flattened), <1% Fe-oxide minerals, moderately welded.		TSHIREGE MEMBER OF BANDELIER TUFF	
6.0					5.0-6.5' - Disking			
7.0	4.5'/5'				7.75-8.1' - Very undulated.			
8.0					8.0-9.5' - Horizontal banding of inter fingered grey SAA and brown oxidized? zones w/ 30-40% phenos (mostly qtz), sandy texture.			
9.0								
10.0						NC		9:24
					TD = 10' overall recovery = 6.5'/10' = 65%. Drilling rate = 10'/22 m = 0.45'/min.			0:22
11.0								
12.0								

Prepared By R. Graus Date 10-26-94 Checked By P. Poker Date 26-OCT-94

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3031 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Bill Kopp Box #(s) ——— Start Date/Time 10-18-94/8:20 End Date/Time 10-18-94/8:39

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = NDA βγ = 192 VOC = NDA		0 - 0.5' - Asphalt chunks + gravels of quartzite in dark brown sand. 0.5 - 2.75' - Med. red brown fine silty clay w/ < 5% v. fine sand. 2.75 - 3.5' - Tuff, grey to tan, altered?, poorly welded.		ASPHALT FILL	8:20 Driller reports: "No resistance to penetration."
1.0		AACO 225 1.5 - 2.5 f Rad/metal						
2.0	3.5'/5'							
3.0								
4.0						N.C.		
5.0				N/A				8:27 Moist
	Run 2	AACO 232 5-6' + Rad/metal	α = NDA βγ = 208 VOC = NDA		5.0 - 9.5' - Grey to light tan tuff w/ ~~15-30%~~ 10/15 20 - 35% phenocrysts (10-20% qtz, 5-10% sanidine, 5% alt. Fe oxides), no visible pumice. 6.2' - 8.5' - Brown med. altered zone. 8.5' - 9.5' - Grey + brown banding.		TSHIRGE MEMBER OF BANDELIER TUFF	
6.0								
7.0								
8.0	4.5'/5'							
9.0								
10.0						N.C.		8:39
11.0					TD = 10' Recovery = 8'/10' = 80% Drill rate = 10'/18 min = 0.58'/min.			8:19
12.0								

Prepared By [signature] Date 10-26-94 Checked By [signature] Date 26-OCT

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-5032 TA/OU 50/1147 Drill Depth From 0 To 10' Page 1 of 1

Driller Bill Kepp Box #(s) — Start Date/Time 10-18-94/9:45 End Date/Time 10-18-94/10:09

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1	f+fR AACO 233 & 235 0.75-2.0' Rad/Metal	α = NDA βγ = 224 VOC = NDA	N/A	0 - 0.5' wet black asphalt clasts		ASPHALT	9:45 Spud into asphalt.
1.0					0.5'-2.0' - Med-dark brown v. fine compacted clay w/ silt, 10% qtz. sand (wx tuff source?).		FILL	9:55 Δ bit, add corebarrel. 9:58 Drilling. Brown moist fill coming out @ annulus.
2.0	2'/5'							
3.0						N.C.		
4.0								
5.0								Moist core 10:01 Muddy shoe
	Run 2	t AACO 234 5.5'-6.5' Rad/Metal	α = NDA βγ = 208 VOC = NDA		5.0 - 8.5' - Light grey - light red brown altd tuff, "clayey" texture, w/ 25-35% phenos (mostly qtz, ss sanadine), 1-3% mod flattened, rxstlzd, sugary pumice.		TSHIREGE MBR BANDELIER TUFF	
6.0								
7.0	5'/5'							
8.0					8.5'-10.0' - Light grey competent tuff 30-50% phenos (mostly qtz), <1% lithics, <1% Fe ox phenos.			
9.0					9.25' - Brown clay filled vein 1/4" tk			10:09 Moist core
10.0					TD = 10' Overall Recovery = 7'/10' = 70% Drilling Rate = 10'/24 min = 0.42'/min			0:24
11.0								
12.0								

Prepared By R. Evans Date 10/24/94 Checked By [illegible] Date 26-OCT-94

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LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3033 TA/OU 50/1147 Drill Depth From 0 To 10' Page 1 of 1

Driller Mike Kopp Box #(s) ——— Start Date/Time 10-18-94/11:24 End Date/Time 10-18-94/12:23

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Analytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = NDA βγ = 218cpm VOC = NDA	N/A	0 - 0.5' - Asphalt chips (angular clasts), rounded gravels in loose sand. Friable. (Examine hole: Asp ≤ 6" tk) 0.5 - 1.7' - Gravel, 10-20% qtz sand in fine brown clay. 1.75' - Red clay horizon.		ASPHALT FILL	11:24 Grub into asp. 11:26 Eng. died. 11:28 " , gas 11:48 Start up 11:51 & Auger bit. 11:54 Drilling 2.5' Run to improve recovery. 11:56
1.0	1.7'/2.5'							
2.0						N.C.		
3.0	Run 2		α = NDA βγ = 190 VOC = NDA		2.5' - 3.25' - Dark brown fine sandy, silty clay. 3.0' - Roots @ base of dark fill. 3.25' - 4.0' - Red med brown silty, sandy clay, 10% qtz sand.			
4.0	1.5'/2.5'							
						N.C.		12:05 Dry barrel
5.0	Run 3		α = NDA βγ = 216 VOC = NDA		5.0' - 8.25' SAA Down hole % qtz sand increase to 25-30%, also clasts of tuff increase to 1-3%. 7.25' - Roots 8.25' - 1/3" tk Red brown clay horizon.			Slow down to improve recovery
6.0		f AACO 236 7-8' Red/metal						
7.0	5'/5'							
8.0		t AACO 237 8-9' Red/metal			8.25' - 10.0' Tan to gray altered tuff w/ 20-35% phenos (<3% sanadine, 95% qtz, <1% FeOxides), 1-3% flattened, rexstlzed pumice, mod. welded, med. hard.		TSHIREGE MEMBER	
9.0								
10.0								12:23 Dry barrel
11.0					TD = 10' Overall recovery = 8.2'/10' = 82% Drilling rate = 10'/59m = 0.169'/min			0:59
12.0								

Prepared By R. Evans Date 10/24/94 Checked By S. Coker Date 26-OCT

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3034 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Blair Art Box #(s) ——— Start Date/Time 10-19/94/14:38 End Date/Time 10-19-94/15:08

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run1		α = NDA βγ = 91 VOC = <1 ppm	N/A	0-0.35' Loose gravel + sand grading into finer sands, pale tan to pale grey. 0.35'-1.0'- Abrupt contact w/ angular clasts of grey tuff in clay. 1.0'-3.25'- Red brown fine clay w/ 5-10% sand. 1.75' = 1.5" Tree root	N.C.	FILL	14:38 Drilling. No asphalt, jack-hammered out. 14:44 Hit root Drillstem ≠ 5° dip toward East. 30' pine SW of hole Driller reports hard below root. 14:52
1.0 2.0 3.0 4.0 5.0	3.25'/5'							
5.0	Run2		α = NDA βγ = 100 VOC = <1		5.0 - 7.75' SAA 5.0 - 6.0'- White fuzz (zeolite?) in cavities (old root molds?). Also dark brown almost charcoal, woody material. 7.75-8.75'- Gradation into increasing mottled zone. Clasts of altered grey tuff in red brown fine clay matrix (SAA). 8.75-8.9'- Red clay 8.9'-10.0'- Pink to grey tuff, v. altered sugary throughout, 25-35% phenos (qtz), 1-5% pumice white, grey, yellow, rxsttlzd, altering to powder.		FILL TSHIREG MBR	Driller: "Run v. similar to 50-3034" Harder downhole. 15:08
6.0 7.0 8.0 9.0 10.0	5'/5'	AALO 238 8-9' & Red/Metal AALO 239	9'-10' & Red/Met VOA/SVOA PCB					
11.0 12.0					TD = 10' Overall recovery = 8.25'/10' = 83% Drilling rate = 10'/30m = 0.33'/min			0:30

Prepared By R. Evans Date 10/24/94 Checked By J. Cohen Date 24-OCT

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3035 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Blair Art Box #(s) —— Start Date/Time 10-19-94/13:30 End Date/Time 10-19-94/14:13

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Analytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0 1.0 2.0 3.0 4.0 5.0	Run 1 4'/5'		α = NDA βγ = 90 VOC = <1 ppm	N/A	0 - 0.5' - Red - med. brown 25% gravels of qtzite, granite, 20-30% course qtz sand, in silty clay w/ roots. 0.5 - 1.75' - Abrupt contact w/ grey brown silty clay supporting 30-35% qtz sand (xstls), & 25% clasts of ground up tuff (angular) 1.75' - 4.0' - Sharp change to v. fine compacted red brown clay, indurated, w/ 5-10% rounded sand grains. 3.5 - 4.0' - Black brown roots.	N.C.	FILL	13:30 Drilling Asphalt removed w/ jack-hammer. Drilling p. ≈ 100 psi 13:49 Dry barrel
6.0 7.0 8.0 9.0 10.0	Run 2 4'/5'	AACO 240 6.75-7.85' f-Red/ Metals AACO 241, 8'-9' + Red/ Metals	α = NDA βγ = 106 VOC = <1 ppm		5.0' - 7.5' SAA 7.5' - 3mm tk. Orange red clay 7.5' - 9.0' - Abrupt contact w/ banded grey tuff w/ 25% phenos (mostly qtz), 1-5% rexstlzd, flattened pumice + flat shards. 1-2 mm tk brown banding common near 7.5', rarer down hole.	N.C.	TS#1 REGE ABR OF BANDELIER TUFF	~6.0 - 7.0' 300 - 400 psi 8' - 10' 700 psi 9' - 10' v. hard 14:13
11.0 12.0					TD = 10.0' overall recovery = 8'/10' = 80% Drilling rate = 10'/43 m = 0.23'/min			0:43

Prepared By R. Evans Date 10/24/94 Checked By S. Cohen Date 24-OCT

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3036 TA/OU 50/1147 Drill Depth From 0 To 10' Page 1 of 1

Driller Bill Kopp Box #(s) — Start Date/Time 10-18-94/10:39 End Date/Time 10-18-94/11:02

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Analytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = NDA βγ = 186 VOC = NDA		0-0.5'- asphalt rubble, and gravels. 0.5-2.5'- Med brown ≤1%-15% qtz fine sand (increasing downhole), in silty clay. w/ wet wood. 1.75'-2.5'- Horizontal faint pale grey banding.	ASPHALT NC	FILL	10:39 Spud into asphalt. D bit + add core barrel.
1.0								
2.0	2.5'/5'							
3.0								
4.0								
5.0		f						10:51
6.0	Run 2	AALO 242 6-7' Rad/Metal AALO 243 7.0-7.5' f- Rad/Metals	α = NDA βγ = 224 VOC = NDA	N/A	5.0'-7.0'- Med red brown v. fine silty, sandy clay w/ 10-25% qtz sand, <3% angular grey tuff clasts.			
7.0	2.5'/5'				7.0'-7.5'- Light grey tuff w/ 20-30% phenos (mostly qtz).			TSHIREGE MEMBER of BANDELIER TUFF
8.0						NC		
9.0								
10.0								11:02 Moist barrel
11.0					TD = 10.0' overall recovery 5'/10' = 50% Drilling rate = 10'/23m = 0.43'/min			0:23
12.0								

Prepared By R Evans Date 10/24/94 Checked By S Odem Date 26-OCT

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3037 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Blair Art Box #(s) ——— Start Date/Time 19 OCT 94/11:40 End Date/Time 19 OCT 94/12:25

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel SOP 6.26

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = NDA βγ = 140 VOC = NDA		0-0.5'- Asphalt bits, sand, granite gravels in fine red brown silty mud, dry, friable, wood bits.		FILL	11:40 Drilling Asphalt previously removed by jack-hammer. Drilling pressure = 200-400 psi.
1.0					0.5'- 1.25'- Abrupt contact w/ pale pink-grey fine silt supporting sub angular to well rounded tuff clasts + 10-15% qtz sand/xstls.			
2.0	2.75'/5'			N/A	1.25'- 2.75'- Abrupt contact w/ 3-5% sand to gravel size clasts of qtzite + granite in brown fine clay, indurated. <1% Alt red ox clasts of tuff. Rare lense of fine grey silt.			
3.0								
4.0						N.C.		
5.0					5.0'-6.0' SAA			12:00 Dry barrel
6.0	Run 2	AACO 244 6.0-7.0' f- Red/Rust AACO 245 7.0-8.5' t-SAA + 246 = tr-SAA	α = NDA βγ = 146 VOC = NDA		6.0'-7.0'- Abrupt contact, much more indurated, 2-4 mm irreg. shaped, sub horiz pore spaces lined w/ white fuzz (zeol?) qtz sand 40-50%. SRP 10/31/94			Driller reports 500 psi 5.0-7.0' 700 psi 7.0-10.0' Pressure decreases somewhat downhole
7.0	5'/5'				7.0-10.0' Abrupt contact w/ wx grey + brown tuff. Horizontal banding grey-brown common to 8.5'. Tuff w/ <1% rxslzd, flattened, dark grey pumice, phenos 25-45% (mostly qtz), 5-10% pumice shards? flat, horiz, ll banding, sugary txt.		TSHIRGE MEMBER OF BANDELIER TUFF	
8.0								
9.0								
10.0								12:25
11.0					TD = 10.0' overall recovery = 7.75'/10' = 78% Drilling rate = 10'/45m = 0.22'/min			0:45
12.0								

Prepared By R. Eklund Date 10/24/94 Checked By S Coker Date 26-00

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY | **CORE SAMPLE LOG**

Borehole ID 50-3038 TA/OU 50/1147 Drill Depth From 0' To 12' Page 1 of 2

Driller Bill Kopp or Elmer Velasquez Box #(s) ——— Start Date/Time 10-19-94/8:50 End Date/Time 10-19-94/

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel SOP 6.26

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0 .2 .4 .6 .8 1.0 2.0 3.0 4.0 5.0	Run 1 2.5'/5'		α = NDA βγ = 96/88 VOC = NDA	N/A	0-2 inches - Organics, grasses mainly w/ occ. quartzite cobbles in med brown fine silty clay, loose. 2" - 1.25' - Med. to drk brown sandy (5-10% qtz), silty clay w/ <3% angular tuff clasts, roots, indurated. 1.25' - 1.5' - Red brown clay rich horizon <1% sand. 1.5' - 2.5' - Gradual transition to compacted light brown fine silty clay w/ 15% qtz, roots, compacted, indurated. w/ compacted angular clasts of alt. tuff.	0-2 FILL; 1.25'; 1.5'; NC	FILL	8:50 Drilling. No asphalt @ surface. Fill coming up annulus. Located in field between ⑧ Lot. Drilling slow + careful. Barrel is moist. Shoe is dry. 8:58
6.0 7.0 8.0 9.0 10.0	Run 2 3.75'/5'	7.25 AACO 247 8.25	α = NDA βγ = 120 VOC = NDA		5.0 - 8.75' - med brown fine clay matrix supporting 30-75% qtz sand & 10-25% angular tuff clasts, + <1% rounded black lithics (% increasing down hole). Roots 6.75' - Large > 2" diam. angular clasts of tuff 8.25' - Large angular clast of light grey friable tuff filling core barrel.	6.75'; 8.25'; NC	FILL	9:02 Drilling slow & careful 9:18 Encounter resistance. 9:24 Dry barrel
11.0 12.0	Run 3 5'/5'	AACO 248 9.25-10.5' L-SAA fr	α = NDA βγ = 100 VOC = NDA		10.0 - 10.25' Alt angular tuff clasts in brown clay. 10.25' - 15.0' - Tuff, grey to pale tan matrix w/ 25-50% phenos (mostly qtz), 1-5% lithics (alt. tuff?), 1-3% grey pumice (recrystalized < 1/2 flattened) in indurated mod. welded matrix.	10.25'	TSHIRGE MBR BANDELIER	Driller reports easy penetration then increase in resistance then easy. (500 / 700

Prepared By R. Evans Date 10-19-94 Checked By [signature] Date 2-6-[illegible]

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3038 TA/OU 60/1147 Drill Depth From 12' To 15' Page 2 of 2

Driller Bill Kopp or Elmer Velasquez Box #(s) ——— Start Date/Time 19 OCT 94/ End Date/Time 19 OCT 94/9:54

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Coreharrel SOP 6.26

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
12.0 13.0 14.0 15.0		fr AB 6105 10.5-13.0' Rad/Metals		N/A	SAA - 12.0 - 15.0		TSHIRGE MEMBER OF BANDELIER TUFF	Driller reports higher (700 psi) pressure to drill. 9:54
					TD 15.0' overall recovery = 11.25'/15' = 75% Drilling rate = 15'/64m = 0.23'/min			1:04

Prepared By R. Evans Date 10-19-94 Checked By L. Cobb Date 26-10

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3042 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Blair Art Box #(s) ——— Start Date/Time 11-7-94/10:25 End Date/Time 11-7-94/10:44

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 227 VOC = Ø	N/A	0 - 0.5' - Asphalt. 0.5 - 5.0' - Brown fine clay w/ 10-20% med-coarse sand, 20-30% gravels, 20-80% tuff clasts (% increase downhole to 80%)		ASPHALT FILL	10:25
1.0 2.0 3.0 4.0 5.0	5'/5'							10:30/10:34
	Run 2	AACO 285 6.5-7.5' t/f + fr Rad/Metal AACO 296 8.0-9.0' fr Rad/Metal	α = Ø βγ = 253 VOC = Ø		5.0 - 7.0' - SAA. 6.5' - Brown horizontal band. 7.0 - 9.0' - Pink grey tuff w/ 40-50% phenos (mostly qtz), 3-5% grey sugary pumice. 8.6' - Fracture, 1mm tk, red brown stain. 25°		TSHIREGE MEMBER OF BANDELIER TUFF	
6.0 7.0 8.0 9.0 10.0	4'/5'					N.C.		10:40/10:44/10:46
11.0 12.0					TD = 10' Recovery = 9'/10' = 90% Drill Rate = 10'/19m = 0.53'/min			0:19

Prepared By R Evans Date 11-9-94 Checked By [illegible] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3043 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Elmer Velasquez Box #(s) ——— Start Date/Time 11-7-94/9:45 End Date/Time 11-7-94/10:06

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = Ø βγ = 229 VOC = Ø	N/A	0 - 0.25' - Asphalt. 0.25 - 4.25' - Fine brown clay w/ 10-15% med-coarse sand, 15-25% rounded gravels, 15-25% clasts of tuff.		ASPHALT FILL	9:45
1.0 2.0 3.0 4.0	4.25'/5'							
5.0						N.C.		9:48/9:52/9:55
	Run 2	AACO 287 6.0-7.0' f/f Rad/Metal	α = Ø βγ = 169 VOC = Ø		5.0' - 6.6' - SAA. % clasts of tuff increase down hole. 6.5' - Horizontal band. 6.6 - 8.5' - Pink grey tuff w/ 40-50% phenos, 3-5% grey, sugary pumice. 8.0' - Fracture, 2mm th, lined w/ red clay + organic material. 45°		TSHIREGE MEMBER OF BANDELIER TUFF	
6.0 7.0	3.5'/5'							
8.0 9.0		AACO 295 7.75-8.5' fr Rad/Metal				N.C.		10:01/10:03/10:06
10.0					TD = 10' Recovery = 7.75'/10' = 77.5% Drill Rate = 10'/18m = 0.56'/min			0:18
11.0 12.0								

Prepared By R. Evans Date 11-9-94 Checked By [signature] Date 10-Nov-94

R.1

LOS ALAMOS NATIONAL LABORATORY ENVIRONMENTAL RESTORATION PROGRAM

SAMPLE MANAGEMENT FACILITY

CORE SAMPLE LOG

Borehole ID 50-3044 TA/OU 50/1147 Drill Depth From 0' To 10' Page 1 of 1

Driller Bill Kopp Box #(s) ——— Start Date/Time 11-7-94/8:50 End Date/Time 11-7-94/9:13

Drilling Equip./Method CME-45 Hollow Stem Auger Sampling Equip./Method Corebarrel

Depth (Feet)	Recovery (feet per feet/ %)	Field Borehole Anaytical Sample Number	Field Screening Results	Top/Bottom of Core In Box	Lithology - Petrology - Soil	Graphic Log	Lithologic Unit	Notes
0	Run 1		α = ∅ βγ = 198 VOC = ∅	N/A	0.0 - 0.5' - Asphalt 0.5 - 3.5' - Med brown fine clay w/ 10-15% med-coarse sand, 15-20% gravels, 10-80% clasts of tuff (grey, % increases downhole). 2.9' 3.1' } horizontal brown fine clay bands.	ASPHALT N.C.	FILL	8:50 ·Finish penetrating length of run · Corebarrel delivered to EZ · Finish screening 8:55/8:58/9:03
1.0 2.0 3.0 4.0 5.0	3.5'/5'							
6.0 7.0 8.0 9.0 10.0	Run 2 4.0'/5'	AACO 289 7.25-8.75' t + fr Rad/Metal	α = ∅ βγ = 208 VOC = ∅		5.0 - 8.25' - SAA. Rounded gravels increase downhole to 50%. Tuff clasts 25-30%. 7.25' - 9.0' - Pink grey Tuff w/ 40-50% phenos (mostly qtz), 3-5% grey sugary pumice. 8.0-9.0' - Fracture, 4-6 mm tk, lined w/ red clay. 60°	N.C.	TSHIREGE MBR OF BANDELIER TUFF	9:10/9:13/9:18
11.0 12.0					TD = 10' Recovery = 7.5'/10' = 75% Drilling Rate = 10'/23m = 0.43'/min			0:23

Prepared By R Grant Date 11-9-94 Checked By Stephanie J Cadew Date 10-Nov-94

R.1

Attachment 2

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3024	AAC0227	54 - 66	Americium-241	-0.03	PCI/G		G	0.1965	PCI/G	NA	NA
50-004(a)	50-3024	AAC0227	54 - 66	Cesium-137	0.036	PCI/G		G	0.045	PCI/G	NA	NA
50-004(a)	50-3024	AAC0227	54 - 66	Plutonium-238	0.014	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3024	AAC0227	54 - 66	Plutonium-239	0.135	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3024	AAC0227	54 - 66	Tritium	0.001	PCI/G	J	LS	600	PCI/L	NA	NA
50-004(a)	50-3024	AAC0227	54 - 66	Uranium-234	0.592	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3024	AAC0227	54 - 66	Uranium-235	0.029	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3024	AAC0227	54 - 66	Uranium-238	0.613	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3024	AAC0227	54 - 66	Water (Unbound)	6.55	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3024	AAC0227	54 - 66	Aluminum	3130	MG/KG	J	ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Antimony	4.5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Arsenic	1.2	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Barium	41.8	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Beryllium	0.39	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Cadmium	0.53	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Calcium	3110	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Chromium, Total	3.5	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Cobalt	1.2	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Copper	2.1	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Iron	4500	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Lead	3.3	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Magnesium	856	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Manganese	119	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Mercury	0.02	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Nickel	2.8	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Potassium	522	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Selenium	0.54	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Silver	0.8	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3024	AAC0227	54 - 66	Sodium	105	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Thallium	0.34	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Vanadium	7.3	MG/KG	UJ	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3024	AAC0227	54 - 66	Zinc	15.4	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Acenaphthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Acenaphthylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Acetone	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Aniline	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Aroclor-1242	0.2647	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Aroclor-1254	0.2647	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Aroclor-1260	0.2647	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Aroclors (Mixed)	0.2647	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Azobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzidine	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzo(a)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3024	AAC0228	72 - 84	Benzo(a)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzo(b)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzo(g,h,i)perylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzo(k)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzoic Acid	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Benzyl Alcohol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bis(2-chloroethoxy)methane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bis(2-chloroethyl)ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bromobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bromochloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bromodichloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bromoform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bromomethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Bromophenyl-phenylether[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Butanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Butylbenzene[n-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Butylbenzene[sec-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Butylbenzene[tert-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Butylbenzylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Carbon Disulfide	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Carbon Tetrachloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chloro-3-methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chloroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chlorobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chlorodibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chloroethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chloroform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chloromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chloronaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chlorophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chlorotoluene[2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chlorotoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Chrysene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Di-n-butylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Di-n-octylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dibenz(a,h)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dibenzofuran	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dibromoethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzene[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzene[1,2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzene[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzene[1,3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzene[1,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzene[1,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorobenzidine[3,3'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorodifluoromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloroethane[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloroethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloroethene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloroethene[cis-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloroethene[trans-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichlorophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloropropane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloropropane[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloropropane[2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloropropene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloropropene[cis-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dichloropropene[trans-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Diethylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dimethyl Phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dimethylphenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dinitro-2-methylphenol[4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dinitrophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dinitrotoluene[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Dinitrotoluene[2,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Ethylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Fluorene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Hexachlorobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Hexachlorobutadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Hexachlorocyclopentadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Hexachloroethane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Hexanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Iodomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Isophorone	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Isopropylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Isopropyltoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Methyl-2-pentanone[4-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Methylene Chloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Methylnaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Methylphenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Naphthalene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitroaniline[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitroaniline[3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3024	AAC0228	72 - 84	Nitroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitrobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitrophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitrophenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitrosodimethylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Nitrosodiphenylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Pentachlorophenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Phenanthrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Phenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Propylbenzene[1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Styrene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Tetrachloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Toluene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichloroethane[1,1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichloroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichlorofluoromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichlorophenol[2,4,5-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichlorophenol[2,4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trichloropropane[1,2,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Vinyl Chloride	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Xylene (Total)	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Americium-241	0.045	PCI/G		G	0.2565	PCI/G	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Cesium-137	0.028	PCI/G		G	0.036	PCI/G	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Plutonium-238	0.034	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Plutonium-238	0.038	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Plutonium-238	0.065	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Plutonium-239	0.068	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Plutonium-239	0.108	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Plutonium-239	0.14	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Tritium	0.00903	PCI/G	- J	LS	600	PCI/L	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Tritium	0.01104	PCI/G	J	LS	600	PCI/L	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Uranium-234	0.52	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Uranium-234	0.59	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Uranium-235	0.02	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Uranium-235	0.036	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3024	AAC0228	72 - 84	Uranium-238	0.559	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Uranium-238	0.655	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3024	AAC0228	72 - 84	Water (Unbound)	14	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Water (Unbound)	14	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Aluminum	3420	MG/KG	J	ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Antimony	4.8	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Arsenic	0.8	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Barium	40.2	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Beryllium	0.53	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Cadmium	0.43	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Calcium	1700	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Chromium, Total	4.7	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Cobalt	1.5	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Copper	2.7	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Iron	6310	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Lead	6.4	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Magnesium	1190	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Manganese	225	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Mercury	0.02	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Nickel	6.8	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Potassium	536	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Selenium	0.58	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Silver	0.85	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3024	AAC0228	72 - 84	Sodium	135	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Thallium	0.3	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Vanadium	6.9	MG/KG	UJ	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3024	AAC0228	72 - 84	Zinc	27.6	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Aluminum	10500	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Antimony	4.8	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Arsenic	1.4	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Barium	146	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Beryllium	1	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Cadmium	0.73	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Calcium	3860	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Chromium, Total	7.1	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Cobalt	5	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Copper	5.8	MG/KG		ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Iron	10300	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Lead	14.4	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Magnesium	1790	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Manganese	362	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Nickel	5.6	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Potassium	1580	MG/KG		ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Selenium	0.57	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3025	AAC0254	60 - 73.2	Silver	0.84	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3025	AAC0254	60 - 73.2	Sodium	115	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Thallium	0.47	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Vanadium	17.4	MG/KG		ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Zinc	25.9	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3025	AAC0254	60 - 73.2	Americium-241	0.104	PCI/G		G	0.213	PCI/G	NA	NA
50-004(a)	50-3025	AAC0254	60 - 73.2	Cesium-137	0.018	PCI/G		G	0.0465	PCI/G	NA	NA
50-004(a)	50-3025	AAC0254	60 - 73.2	Plutonium-238	-0.011	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3025	AAC0254	60 - 73.2	Plutonium-239	0.002	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3025	AAC0254	60 - 73.2	Tritium	0.19685	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3025	AAC0254	60 - 73.2	Uranium-234	0.736	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3025	AAC0254	60 - 73.2	Uranium-235	0.054	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3025	AAC0254	60 - 73.2	Uranium-238	0.77	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3025	AAC0254	60 - 73.2	Water (Unbound)	12.1	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3025	AAC0255	73.2 - 84	Aluminum	4730	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Antimony	4.6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Arsenic	0.59	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Barium	67.2	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Beryllium	0.72	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Cadmium	0.37	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Calcium	742	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Chromium, Total	1.9	MG/KG	UJ	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Cobalt	0.77	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Copper	2	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Iron	5190	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Lead	9.2	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Magnesium	729	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Manganese	262	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Nickel	2	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Potassium	667	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Selenium	0.55	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Silver	0.81	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3025	AAC0255	73.2 - 84	Sodium	73.3	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Thallium	0.28	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Vanadium	5.4	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Zinc	21.6	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3025	AAC0255	73.2 - 84	Americium-241	0.044	PCI/G		G	0.165	PCI/G	NA	NA
50-004(a)	50-3025	AAC0255	73.2 - 84	Cesium-137	-0.011	PCI/G		G	0.033	PCI/G	NA	NA
50-004(a)	50-3025	AAC0255	73.2 - 84	Plutonium-238	0.004	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3025	AAC0255	73.2 - 84	Plutonium-239	0.002	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3025	AAC0255	73.2 - 84	Tritium	0.19439	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3025	AAC0255	73.2 - 84	Uranium-234	0.622	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3025	AAC0255	73.2 - 84	Uranium-235	0.034	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3025	AAC0255	73.2 - 84	Uranium-238	0.732	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3025	AAC0255	73.2 - 84	Water (Unbound)	8.94	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Aluminum	6940	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Antimony	5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Arsenic	0.65	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Barium	63.3	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Beryllium	0.81	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Cadmium	0.47	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Calcium	1570	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Chromium, Total	4.8	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Cobalt	1	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Copper	3.6	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Iron	7870	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Lead	7.8	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Magnesium	1120	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Manganese	219	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Nickel	3.6	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Potassium	857	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Selenium	0.6	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Silver	0.89	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Sodium	152	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Thallium	0.5	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Vanadium	7.1	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Zinc	26	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3026	AAC0256	72 - 84	Americium-241	0.027	PCI/G		G	0.0465	PCI/G	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Americium-241	0.05	PCI/G		G	0.09	PCI/G	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Cesium-137	-0.005	PCI/G		G	0.0345	PCI/G	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Cesium-137	0.005	PCI/G		G	0.045	PCI/G	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Plutonium-238	0.009	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3026	AAC0256	72 - 84	Plutonium-239	0.002	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3026	AAC0256	72 - 84	Tritium	0.22163	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3026	AAC0256	72 - 84	Uranium-234	0.631	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3026	AAC0256	72 - 84	Uranium-235	0.016	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3026	AAC0256	72 - 84	Uranium-238	0.82	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3026	AAC0256	72 - 84	Water (Unbound)	15.7	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Aluminum	5370	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Antimony	5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Arsenic	0.64	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Barium	31.7	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Beryllium	0.87	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Cadmium	0.52	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Calcium	1190	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Chromium, Total	4.1	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Cobalt	0.83	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Copper	4.6	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3026	AAC0257	84 - 96	Iron	8190	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Lead	5.2	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Magnesium	957	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Manganese	220	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Nickel	3.6	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Potassium	784	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Selenium	0.59	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Silver	0.87	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Sodium	156	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Thallium	0.4	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Vanadium	7.1	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Zinc	29.5	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3026	AAC0257	84 - 96	Americium-241	0	PCI/G		G	0.1065	PCI/G	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Americium-241	0.027	PCI/G		G	0.0855	PCI/G	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Cesium-137	-0.002	PCI/G		G	0.033	PCI/G	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Cesium-137	0.007	PCI/G		G	0.0345	PCI/G	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Plutonium-238	0.034	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3026	AAC0257	84 - 96	Plutonium-239	0.016	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3026	AAC0257	84 - 96	Tritium	0.26965	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3026	AAC0257	84 - 96	Uranium-234	0.642	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3026	AAC0257	84 - 96	Uranium-235	0.023	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3026	AAC0257	84 - 96	Uranium-238	0.574	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3026	AAC0257	84 - 96	Water (Unbound)	14.5	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Acenaphthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Acenaphthylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Acetone	0.023	MG/KG	U	GCMS	0.023	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Aniline	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Azobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzidine	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzo(a)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzo(a)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzo(b)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzo(g,h,i)perylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzo(k)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzoic Acid	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Benzyl Alcohol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bis(2-chloroethoxy)methane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bis(2-chloroethyl)ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bromobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bromochloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bromodichloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3027	AAC0211	102 - 108	Bromoform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bromomethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Bromophenyl-phenylether[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Butanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Butylbenzene[n-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Butylbenzene[sec-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Butylbenzene[tert-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Butylbenzylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Carbon Disulfide	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Carbon Tetrachloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chloro-3-methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chloroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chlorobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chlorodibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chloroethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chloroform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chloromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chloronaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chlorophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chlorotoluene[2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chlorotoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Chrysene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Di-n-butylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Di-n-octylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dibenz(a,h)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dibenzofuran	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dibromoethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzene[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzene[1,2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzene[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzene[1,3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzene[1,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzene[1,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorobenzidine[3,3'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorodifluoromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloroethane[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloroethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloroethene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloroethene[cis-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloroethene[trans-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichlorophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloropropane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3027	AAC0211	102 - 108	Dichloropropane[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloropropane[2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloropropene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloropropene[cis-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dichloropropene[trans-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Diethylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dimethyl Phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dimethylphenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dinitro-2-methylphenol[4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dinitrophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dinitrotoluene[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Dinitrotoluene[2,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Ethylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Fluorene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Hexachlorobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Hexachlorobutadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Hexachlorocyclopentadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Hexachloroethane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Hexanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Iodomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Isophorone	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Isopropylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Isopropyltoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Methyl-2-pentanone[4-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Methylene Chloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Methylnaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Methylphenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Naphthalene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitroaniline[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitroaniline[3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitrobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitrophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitrophenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitrosodimethylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Nitrosodiphenylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Oxybis(1-chloropropane)[2,2*-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Pentachlorophenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Phenanthrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Phenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Propylbenzene[1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3027	AAC0211	102 - 108	Pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Styrene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Tetrachloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Toluene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichloroethane[1,1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichloroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichlorofluoromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichlorophenol[2,4,5-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichlorophenol[2,4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trichloropropane[1,2,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Vinyl Chloride	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Xylene (Total)	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Aluminum	1332	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Aluminum	2180	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Antimony	4.6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Antimony	4.6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Arsenic	0.6	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Arsenic	0.6	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Barium	17.4	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Barium	18.1	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Beryllium	0.42	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Beryllium	0.45	MG/KG		ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Cadmium	0.38	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Cadmium	1.7	MG/KG		ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Calcium	353	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Calcium	377	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Chromium, Total	1.2	MG/KG	UJ	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Chromium, Total	1.2	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Cobalt	0.77	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Cobalt	0.77	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Copper	1.2	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Copper	1.5	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Iron	3416	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Iron	3510	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Lead	5	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Lead	5.4	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Magnesium	242	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Magnesium	246	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3027	AAC0211	102 - 108	Manganese	160	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Manganese	162	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Nickel	1.7	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Nickel	2.5	MG/KG		ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Potassium	366	MG/KG		ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Potassium	861	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Selenium	0.55	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Selenium	0.55	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Silver	0.82	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Silver	0.82	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Sodium	185	MG/KG		ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Sodium	615	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Thallium	0.29	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Thallium	0.29	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Vanadium	1.4	MG/KG		ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Vanadium	1.7	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Zinc	15.5	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Zinc	17.9	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3027	AAC0211	102 - 108	Americium-241	-0.056	PCI/G		G	0.279	PCI/G	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Cesium-137	-0.016	PCI/G		G	0.057	PCI/G	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Plutonium-238	0.004	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Plutonium-238	0.027	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Plutonium-239	0.011	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Plutonium-239	0.09	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Tritium	0.03603	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Uranium-234	0.552	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Uranium-234	0.608	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Uranium-235	0.018	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Uranium-235	0.038	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Uranium-238	0.518	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Uranium-238	0.565	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3027	AAC0211	102 - 108	Water (Unbound)	9.03	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3027	AAC0211	102 - 108	Water (Unbound)	9.03	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Aluminum	4340	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Antimony	4.8	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Arsenic	0.95	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Barium	50.1	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Beryllium	0.91	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Cadmium	0.94	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Calcium	854	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Chromium, Total	2.7	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Cobalt	0.87	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Copper	1.6	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Iron	5100	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Lead	5	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Magnesium	703	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Manganese	207	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Nickel	4.8	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Potassium	563	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Selenium	0.57	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Silver	0.84	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Sodium	109	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Thallium	0.3	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Vanadium	4.1	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Zinc	21.7	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Americium-241	0.119	PCI/G		G	0.2655	PCI/G	NA	NA
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Cesium-137	0	PCI/G		G	0.0405	PCI/G	NA	NA
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Plutonium-238	0.07	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Plutonium-239	0.009	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Tritium	0.0803	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Uranium-234	0.676	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Uranium-235	0.027	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Uranium-238	0.561	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Water (Unbound)	12.6	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3027	AAC0210	63.6 - 69.6	Water (Unbound)	12.6	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3028	AAC0259	18 - 36	Aluminum	1970	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Antimony	6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Arsenic	0.77	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Barium	35.3	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Beryllium	0.58	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Cadmium	0.48	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Calcium	1020	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Chromium, Total	2.5	MG/KG	UJ	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Cobalt	1	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Copper	1.6	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Iron	6850	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Lead	4	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Magnesium	900	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Manganese	226	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Nickel	1.7	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Potassium	787	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Selenium	0.71	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Silver	1.1	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3028	AAC0259	18 - 36	Sodium	285	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Thallium	0.81	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Vanadium	3.6	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3028	AAC0259	18 - 36	Zinc	26.3	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3028	AAC0259	18 - 36	Americium-241	0.008	PCI/G		G	0.0555	PCI/G	NA	NA
50-004(a)	50-3028	AAC0259	18 - 36	Cesium-137	-0.034	PCI/G		G	0.051	PCI/G	NA	NA
50-004(a)	50-3028	AAC0259	18 - 36	Plutonium-238	0.018	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3028	AAC0259	18 - 36	Plutonium-239	0	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3028	AAC0259	18 - 36	Tritium	0.14891	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3028	AAC0259	18 - 36	Uranium-234	0.358	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3028	AAC0259	18 - 36	Uranium-235	0.016	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3028	AAC0259	18 - 36	Uranium-238	0.417	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3028	AAC0259	18 - 36	Water (Unbound)	25.2	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Acenaphthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Acenaphthylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Acetone	0.057	MG/KG	U	GCMS	0.057	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Aniline	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Aroclor-1242	0.2881	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Aroclor-1254	0.2881	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Aroclor-1260	0.2881	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Aroclors (Mixed)	0.2881	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Azobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzidine	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzo(a)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzo(a)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzo(b)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzo(g,h,i)perylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzo(k)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzoic Acid	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Benzyl Alcohol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bis(2-chloroethoxy)methane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bis(2-chloroethyl)ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bromobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bromochloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bromodichloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bromoform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bromomethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Bromophenyl-phenylether[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Butanone[2-]	0.028	MG/KG	U	GCMS	0.028	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Butylbenzene[n-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Butylbenzene[sec-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Butylbenzene[tert-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Butylbenzylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Carbon Disulfide	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Carbon Tetrachloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3028	AAB6106	42 - 51.6	Chloro-3-methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chloroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chlorobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chlorodibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chloroethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chloroform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chloromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chloronaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chlorophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chlorotoluene[2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chlorotoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Chrysene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Di-n-butylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Di-n-octylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dibenz(a,h)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dibenzofuran	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dibromoethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzene[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzene[1,2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzene[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzene[1,3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzene[1,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzene[1,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorobenzidine[3,3'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorodifluoromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloroethane[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloroethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloroethene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloroethene[cis-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloroethene[trans-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichlorophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloropropane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloropropane[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloropropane[2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloropropene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloropropene[cis-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dichloropropene[trans-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Diethylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dimethyl Phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dimethylphenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dinitro-2-methylphenol[4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dinitrophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3028	AAB6106	42 - 51.6	Dinitrotoluene[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Dinitrotoluene[2,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Ethylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Fluorene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Hexachlorobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Hexachlorobutadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Hexachlorocyclopentadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Hexachloroethane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Hexanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Iodomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Isophorone	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Isopropylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Isopropyltoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Methyl-2-pentanone[4-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Methylene Chloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Methylnaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Methylphenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Naphthalene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitroaniline[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitroaniline[3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitrobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitrophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitrophenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitrosodimethylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Nitrosodiphenylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Oxybis(1-chloropropane)[2,2*-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Pentachlorophenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Phenanthrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Phenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Propylbenzene[1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Styrene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Tetrachloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Toluene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichloroethane[1,1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichloroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichlorofluoromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichlorophenol[2,4,5-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichlorophenol[2,4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trichloropropane[1,2,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Vinyl Chloride	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Xylene (Total)	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Aluminum	8180	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Aluminum	8250	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Antimony	5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Antimony	5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Arsenic	0.64	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Arsenic	1.01	MG/KG		GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Barium	38.3	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Barium	42.1	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Beryllium	1.9	MG/KG		ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Beryllium	2.1	MG/KG		ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Cadmium	0.49	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Cadmium	0.57	MG/KG		ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Calcium	1814	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Calcium	1830	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Chromium, Total	4.8	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Chromium, Total	5.4	MG/KG		ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Cobalt	0.9	MG/KG		ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Cobalt	1	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Copper	4.6	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Copper	4.8	MG/KG		ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Iron	8411	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Iron	8980	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Lead	5	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Lead	5.4	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Magnesium	1960	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Magnesium	2006	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Manganese	198	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Manganese	253	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Mercury	0.02	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Nickel	8.9	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Nickel	9.5	MG/KG		ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Potassium	1210	MG/KG		ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Potassium	1267	MG/KG		ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Selenium	0.59	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Selenium	0.59	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3028	AAB6106	42 - 51.6	Silver	0.88	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Silver	0.88	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Sodium	44.9	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Sodium	62.3	MG/KG		ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Thallium	0.31	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Thallium	0.34	MG/KG		GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Vanadium	6.8	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Vanadium	7.3	MG/KG		ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Zinc	30.1	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Zinc	31.4	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3028	AAB6106	42 - 51.6	Americium-241	-0.085	PCI/G		G	0.2025	PCI/G	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Cesium-137	-0.002	PCI/G		G	0.0375	PCI/G	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Plutonium-238	-0.004	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Plutonium-238	0.018	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Plutonium-239	0	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Plutonium-239	0.007	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Tritium	0.06111	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Tritium	0.09507	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Uranium-234	0.376	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Uranium-234	0.554	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Uranium-235	0.009	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Uranium-235	0.043	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Uranium-238	0.536	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Uranium-238	0.604	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3028	AAB6106	42 - 51.6	Water (Unbound)	14.9	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3028	AAB6106	42 - 51.6	Water (Unbound)	14.9	%		GRAV	NA	NA	NA	NA
50-004(a)	50-3028	AAC0258	9.6 - 18	Aluminum	11700	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Antimony	5.3	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Arsenic	1.8	MG/KG	UJ	GFAA	0.5	MG/KG	7.82	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Barium	124	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Beryllium	1.1	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Cadmium	0.58	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Calcium	2570	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Chromium, Total	8.2	MG/KG	J	ICPES	0.5	MG/KG	19.3	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Cobalt	4.6	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Copper	6.5	MG/KG		ICPES	0.5	MG/KG	15.5	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Iron	10700	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Lead	16.9	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Magnesium	1930	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Manganese	317	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Mercury	0.05	MG/KG	U	CVAA	0.01	MG/KG	0.1	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Nickel	6.4	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Potassium	1570	MG/KG		ICPES	74	MG/KG	3410	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Selenium	0.63	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Silver	0.93	MG/KG	U	ICPES	1	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-004(a)	50-3028	AAC0258	9.6 - 18	Sodium	144	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Thallium	0.61	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Vanadium	16.4	MG/KG		ICPES	0.5	MG/KG	41.9	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Zinc	38.4	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-004(a)	50-3028	AAC0258	9.6 - 18	Americium-241	-0.016	PCI/G		G	0.2175	PCI/G	NA	NA
50-004(a)	50-3028	AAC0258	9.6 - 18	Cesium-137	-0.429	PCI/G		G	0.285	PCI/G	NA	NA
50-004(a)	50-3028	AAC0258	9.6 - 18	Plutonium-238	0.002	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-004(a)	50-3028	AAC0258	9.6 - 18	Plutonium-239	0.059	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-004(a)	50-3028	AAC0258	9.6 - 18	Tritium	0.12628	PCI/G		LS	600	PCI/L	NA	NA
50-004(a)	50-3028	AAC0258	9.6 - 18	Uranium-234	0.955	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-004(a)	50-3028	AAC0258	9.6 - 18	Uranium-235	0.041	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-004(a)	50-3028	AAC0258	9.6 - 18	Uranium-238	0.887	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-004(a)	50-3028	AAC0258	9.6 - 18	Water (Unbound)	19.3	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3011	AAC0276	84 - 96	Aluminum	2870	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Antimony	4.6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Arsenic	1.2	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Barium	28.1	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Beryllium	0.76	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Cadmium	0.37	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Calcium	568	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Chromium, Total	1.7	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Cobalt	0.92	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Copper	3.3	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Iron	5250	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Lead	4.6	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Magnesium	438	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Manganese	136	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Mercury	0.06	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Nickel	1.5	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Potassium	441	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Selenium	0.55	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Silver	0.81	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3011	AAC0276	84 - 96	Sodium	73.5	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Thallium	0.29	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Vanadium	4.6	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Zinc	29.3	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3011	AAC0276	84 - 96	Americium-241	-0.018	PCI/G		G	0.225	PCI/G	NA	NA
50-011(a)	50-3011	AAC0276	84 - 96	Cesium-137	0.053	PCI/G		G	0.069	PCI/G	NA	NA
50-011(a)	50-3011	AAC0276	84 - 96	Plutonium-238	0.02	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Plutonium-238	0.03	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Plutonium-239	0.06	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Plutonium-239	0.06	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Tritium	1.41531	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3011	AAC0276	84 - 96	Uranium-234	0.64	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Uranium-234	0.77	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3011	AAC0276	84 - 96	Uranium-235	0.04	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Uranium-235	0.06	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Uranium-238	0.64	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Uranium-238	0.75	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3011	AAC0276	84 - 96	Water (Unbound)	7.9	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3011	AAC0277	96 - 108	Aluminum	522	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Antimony	4.4	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Arsenic	0.57	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Barium	4.6	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Beryllium	0.4	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Cadmium	0.36	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Calcium	196	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Chromium, Total	1.2	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Cobalt	0.74	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Copper	1.2	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Iron	4690	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Lead	2.3	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Magnesium	117	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Manganese	47.2	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Mercury	0.02	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Nickel	1.2	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Potassium	166	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Selenium	0.53	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Silver	0.78	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3011	AAC0277	96 - 108	Sodium	75.5	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Thallium	0.27	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Vanadium	1.6	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Zinc	27.6	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3011	AAC0277	96 - 108	Americium-241	0.002	PCI/G		G	0.0435	PCI/G	NA	NA
50-011(a)	50-3011	AAC0277	96 - 108	Cesium-137	0.015	PCI/G		G	0.03	PCI/G	NA	NA
50-011(a)	50-3011	AAC0277	96 - 108	Plutonium-239	0.01	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3011	AAC0277	96 - 108	Tritium	0.75149	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3011	AAC0277	96 - 108	Uranium-234	0.56	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3011	AAC0277	96 - 108	Uranium-235	0.03	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3011	AAC0277	96 - 108	Uranium-238	0.57	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3011	AAC0277	96 - 108	Water (Unbound)	5.06	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3042	AAC0285	79.2 - 90	Aluminum	2230	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Antimony	4.6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Arsenic	0.67	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Barium	21	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Beryllium	0.93	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Cadmium	0.37	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Calcium	384	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Chromium, Total	1.3	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Cobalt	0.77	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3042	AAC0285	79.2 - 90	Copper	2.4	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Iron	4480	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Lead	2.9	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Magnesium	344	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Manganese	109	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Mercury	0.04	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Nickel	1.3	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Potassium	351	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Selenium	0.55	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Silver	0.81	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3042	AAC0285	79.2 - 90	Sodium	59.3	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Thallium	0.28	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Vanadium	3.8	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Zinc	26.3	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3042	AAC0285	79.2 - 90	Americium-241	-0.017	PCI/G		G	0.0465	PCI/G	NA	NA
50-011(a)	50-3042	AAC0285	79.2 - 90	Cesium-137	0.021	PCI/G		G	0.036	PCI/G	NA	NA
50-011(a)	50-3042	AAC0285	79.2 - 90	Plutonium-238	0	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-011(a)	50-3042	AAC0285	79.2 - 90	Plutonium-239	0.01	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3042	AAC0285	79.2 - 90	Tritium	0.45586	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3042	AAC0285	79.2 - 90	Uranium-234	0.51	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3042	AAC0285	79.2 - 90	Uranium-235	0	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3042	AAC0285	79.2 - 90	Uranium-238	0.59	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3042	AAC0285	79.2 - 90	Water (Unbound)	7.54	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Acenaphthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Acenaphthylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Acetone	0.088	MG/KG		GCMS	0.057	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Aniline	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Aroclor-1242	0.2848	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Aroclor-1254	0.2848	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Aroclor-1260	0.2848	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Aroclors (Mixed)	0.2848	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Azobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzidine	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzo(a)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzo(a)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzo(b)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzo(g,h,i)perylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzo(k)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzoic Acid	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Benzyl Alcohol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bis(2-chloroethoxy)methane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bis(2-chloroethyl)ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3042	AAC0296	96 - 108	Bromobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bromochloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bromodichloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bromoform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bromomethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Bromophenyl-phenylether[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Butanone[2-]	0.027	MG/KG	J	GCMS	0.027	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Butylbenzene[n-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Butylbenzene[sec-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Butylbenzene[tert-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Butylbenzylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Carbon Disulfide	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Carbon Tetrachloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chloro-3-methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chloroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chlorobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chlorodibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chloroethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chloroform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chloromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chloronaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chlorophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chlorotoluene[2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chlorotoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Chrysene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Di-n-butylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Di-n-octylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dibenz(a,h)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dibenzofuran	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dibromoethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzene[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzene[1,2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzene[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzene[1,3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzene[1,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzene[1,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorobenzidine[3,3'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorodifluoromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloroethane[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloroethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloroethene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloroethene[cis-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3042	AAC0296	96 - 108	Dichloroethene[trans-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichlorophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloropropane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloropropane[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloropropane[2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloropropene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloropropene[cis-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dichloropropene[trans-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Diethylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dimethyl Phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dimethylphenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dinitro-2-methylphenol[4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dinitrophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dinitrotoluene[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Dinitrotoluene[2,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Ethylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Fluorene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Hexachlorobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Hexachlorobutadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Hexachlorocyclopentadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Hexachloroethane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Hexanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Iodomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Isophorone	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Isopropylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Isopropyltoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Methyl-2-pentanone[4-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Methylene Chloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Methylnaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Methylphenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Naphthalene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitroaniline[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitroaniline[3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitrobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitrophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitrophenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitrosodimethylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Nitrosodiphenylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Oxybis(1-chloropropane)[2,2"-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Pentachlorophenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3042	AAC0296	96 - 108	Phenanthrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Phenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Propylbenzene[1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Styrene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Tetrachloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Toluene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichloroethane[1,1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichloroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichlorofluoromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichlorophenol[2,4,5-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichlorophenol[2,4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trichloropropane[1,2,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Vinyl Chloride	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Xylene (Total)	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Aluminum	1750	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Aluminum	2028	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Antimony	4.5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Antimony	4.5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Arsenic	0.58	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Arsenic	0.58	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Barium	14.9	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Barium	16.6	MG/KG		ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Beryllium	0.84	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Beryllium	0.95	MG/KG		ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Cadmium	0.37	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Cadmium	0.37	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Calcium	256	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Calcium	320	MG/KG		ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Chromium, Total	1.7	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Chromium, Total	2	MG/KG		ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Cobalt	0.76	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Cobalt	0.76	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Copper	1.2	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Copper	1.8	MG/KG		ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Iron	4060	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Iron	4514	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Lead	1.9	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3042	AAC0296	96 - 108	Lead	1.9	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Magnesium	240	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Magnesium	296	MG/KG		ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Manganese	43.9	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Manganese	49.8	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Mercury	0.02	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Mercury	0.02	MG/KG		CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Nickel	1.3	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Nickel	2	MG/KG		ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Potassium	252	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Potassium	309	MG/KG		ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Selenium	0.54	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Selenium	0.57	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Silver	0.8	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Silver	0.8	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Sodium	59.6	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Sodium	66.8	MG/KG		ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Thallium	0.28	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Thallium	0.28	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Vanadium	2.8	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Vanadium	3.2	MG/KG		ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Zinc	23.5	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Zinc	25.06	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3042	AAC0296	96 - 108	Americium-241	0.036	PCI/G		G	0.0825	PCI/G	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Cesium-137	0.008	PCI/G		G	0.027	PCI/G	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Plutonium-239	0.02	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Plutonium-239	0.02	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Tritium	0.29378	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3042	AAC0296	96 - 108	Uranium-234	0.68	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Uranium-234	0.7	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Uranium-235	0.04	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Uranium-235	0.05	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Uranium-238	0.86	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Uranium-238	1.14	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3042	AAC0296	96 - 108	Water (Unbound)	6.18	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3043	AAC0287	72 - 84	Aluminum	2960	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Antimony	4.6	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Arsenic	0.87	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Barium	28.7	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Beryllium	0.86	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Cadmium	0.37	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Calcium	564	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Chromium, Total	2.3	MG/KG		ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Cobalt	0.77	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Copper	2.9	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3043	AAC0287	72 - 84	Iron	4680	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Lead	5.7	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Magnesium	465	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Manganese	133	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Mercury	0.04	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Nickel	1.9	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Potassium	439	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Selenium	0.55	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Silver	0.81	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3043	AAC0287	72 - 84	Sodium	64.7	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Thallium	0.29	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Vanadium	5.1	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Zinc	26.1	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3043	AAC0287	72 - 84	Americium-241	0.003	PCI/G		G	0.084	PCI/G	NA	NA
50-011(a)	50-3043	AAC0287	72 - 84	Cesium-137	-0.002	PCI/G		G	0.027	PCI/G	NA	NA
50-011(a)	50-3043	AAC0287	72 - 84	Plutonium-238	0.01	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-011(a)	50-3043	AAC0287	72 - 84	Plutonium-239	0.02	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3043	AAC0287	72 - 84	Tritium	0.85337	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3043	AAC0287	72 - 84	Uranium-234	0.66	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3043	AAC0287	72 - 84	Uranium-235	0.03	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3043	AAC0287	72 - 84	Uranium-238	0.63	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3043	AAC0287	72 - 84	Water (Unbound)	8.48	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Acenaphthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Acenaphthylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Acetone	0.069	MG/KG		GCMS	0.057	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Aniline	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Aroclor-1242	0.2816	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Aroclor-1254	0.2816	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Aroclor-1260	0.2816	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Aroclors (Mixed)	0.2816	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Azobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzidine	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzo(a)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzo(a)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzo(b)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzo(g,h,i)perylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzo(k)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzoic Acid	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Benzyl Alcohol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bis(2-chloroethoxy)methane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bis(2-chloroethyl)ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bromobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3043	AAC0295	93.6 - 102	Bromochloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bromodichloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bromoform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bromomethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Bromophenyl-phenylether[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Butanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Butylbenzene[n-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Butylbenzene[sec-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Butylbenzene[tert-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Butylbenzylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Carbon Disulfide	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Carbon Tetrachloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chloro-3-methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chloroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chlorobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chlorodibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chloroethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chloroform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chloromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chloronaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chlorophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chlorotoluene[2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chlorotoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Chrysene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Di-n-butylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Di-n-octylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dibenz(a,h)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dibenzofuran	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dibromoethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzene[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzene[1,2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzene[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzene[1,3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzene[1,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzene[1,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorobenzidine[3,3'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorodifluoromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloroethane[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloroethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloroethene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloroethene[cis-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloroethene[trans-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichlorophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloropropane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloropropane[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloropropane[2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloropropene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloropropene[cis-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dichloropropene[trans-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Diethylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dimethyl Phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dimethylphenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dinitro-2-methylphenol[4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dinitrophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dinitrotoluene[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Dinitrotoluene[2,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Ethylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Fluorene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Hexachlorobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Hexachlorobutadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Hexachlorocyclopentadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Hexachloroethane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Hexanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Iodomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Isophorone	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Isopropylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Isopropyltoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Methyl-2-pentanone[4-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Methylene Chloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Methylnaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Methylphenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Naphthalene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitroaniline[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitroaniline[3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitrobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitrophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitrophenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitrosodimethylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Nitrosodiphenylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Oxybis(1-chloropropane)[2,2"-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Pentachlorophenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Phenanthrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3043	AAC0295	93.6 - 102	Phenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Propylbenzene[1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Styrene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Tetrachloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Toluene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichloroethane[1,1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichloroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichlorofluoromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichlorophenol[2,4,5-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichlorophenol[2,4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trichloropropane[1,2,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Vinyl Chloride	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Xylene (Total)	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Aluminum	1240	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Antimony	4.5	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Arsenic	0.58	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Barium	13.4	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Beryllium	0.86	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Cadmium	0.36	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Calcium	303	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Chromium, Total	1.2	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Cobalt	0.75	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Copper	1.5	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Iron	3970	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Lead	2.3	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Magnesium	208	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Manganese	84.3	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Mercury	0.02	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Nickel	1.3	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Potassium	238	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Selenium	0.53	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Silver	0.79	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Sodium	54.7	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Thallium	0.28	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Vanadium	4	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Zinc	26.2	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3043	AAC0295	93.6 - 102	Americium-241	-0.01	PCI/G		G	0.048	PCI/G	NA	NA

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3043	AAC0295	93.6 - 102	Cesium-137	-0.015	PCI/G		G	0.036	PCI/G	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Plutonium-238	0.01	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-011(a)	50-3043	AAC0295	93.6 - 102	Plutonium-239	0	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3043	AAC0295	93.6 - 102	Tritium	0.29971	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3043	AAC0295	93.6 - 102	Uranium-234	0.68	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3043	AAC0295	93.6 - 102	Uranium-235	0.01	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3043	AAC0295	93.6 - 102	Uranium-238	0.98	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3043	AAC0295	93.6 - 102	Water (Unbound)	6.18	%		GRAV	NA	NA	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Acenaphthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Acenaphthylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Acetone	0.059	MG/KG		GCMS	0.057	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Aniline	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Aroclor-1242	0.2742	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Aroclor-1254	0.2742	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Aroclor-1260	0.2742	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Aroclors (Mixed)	0.2742	MG/KG	U	GCEC	0.06	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Azobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzidine	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzo(a)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzo(a)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzo(b)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzo(g,h,i)perylene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzo(k)fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzoic Acid	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Benzyl Alcohol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bis(2-chloroethoxy)methane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bis(2-chloroethyl)ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bromobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bromochloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bromodichloromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bromoform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bromomethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Bromophenyl-phenylether[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Butanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Butylbenzene[n-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Butylbenzene[sec-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Butylbenzene[tert-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Butylbenzylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Carbon Disulfide	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Carbon Tetrachloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chloro-3-methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chloroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chlorobenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chlorodibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chloroethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chloroform	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chloromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chloronaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chlorophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chlorotoluene[2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chlorotoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chrysene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Di-n-butylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Di-n-octylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dibenz(a,h)anthracene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dibenzofuran	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dibromoethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dibromomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzene[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzene[1,2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzene[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzene[1,3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzene[1,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzene[1,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorobenzidine[3,3'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorodifluoromethane	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloroethane[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloroethane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloroethene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloroethene[cis-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloroethene[trans-1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichlorophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloropropane[1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloropropane[1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloropropane[2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloropropene[1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloropropene[cis-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dichloropropene[trans-1,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Diethylphthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dimethyl Phthalate	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dimethylphenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dinitro-2-methylphenol[4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dinitrophenol[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dinitrotoluene[2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Dinitrotoluene[2,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Ethylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Fluoranthene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Fluorene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Hexachlorobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Hexachlorobutadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Hexachlorocyclopentadiene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Hexachloroethane	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Hexanone[2-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Iodomethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Isophorone	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Isopropylbenzene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Isopropyltoluene[4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Methyl-2-pentanone[4-]	0.02	MG/KG	U	GCMS	0.02	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Methylene Chloride	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Methylnaphthalene[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Methylphenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Methylphenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Naphthalene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitroaniline[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitroaniline[3-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitroaniline[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitrobenzene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitrophenol[2-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitrophenol[4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitrosodimethylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nitrosodiphenylamine[N-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Pentachlorophenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Phenanthrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Phenol	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Propylbenzene[1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Pyrene	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Styrene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Tetrachloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Toluene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichloroethane[1,1,1-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichloroethane[1,1,2-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichloroethene	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichlorofluoromethane	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA

Attachment 2
PRSs 50-004a & 50-011a data.xls

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULT	Units	LAB QUALIFIER	TECHNIQUE CODE	Detection Limit	DL Units	Backgound Value	BKG Units
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichlorophenol[2,4,5-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichlorophenol[2,4,6-]	0.33	MG/KG	U	GCMS	0.33	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trichloropropane[1,2,3-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Vinyl Chloride	0.01	MG/KG	U	GCMS	0.01	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Xylene (Total)	0.005	MG/KG	U	GCMS	0.005	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Aluminum	2770	MG/KG		ICPES	17	MG/KG	38700	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Antimony	4.7	MG/KG	U	ICPES	5	MG/KG	1	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Arsenic	0.6	MG/KG	U	GFAA	0.5	MG/KG	7.82	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Barium	20	MG/KG	U	ICPES	0.14	MG/KG	315	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Beryllium	0.81	MG/KG	U	ICPES	0.08	MG/KG	1.95	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Cadmium	0.38	MG/KG	U	ICPES	0.4	MG/KG	2.6	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Calcium	525	MG/KG	U	ICPES	60	MG/KG	6120	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Chromium, Total	1.9	MG/KG	U	ICPES	0.5	MG/KG	19.3	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Cobalt	0.78	MG/KG	U	ICPES	0.5	MG/KG	19.2	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Copper	2.9	MG/KG	U	ICPES	0.5	MG/KG	15.5	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Iron	4480	MG/KG		ICPES	14	MG/KG	21300	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Lead	2.3	MG/KG		GFAA	0.5	MG/KG	23.3	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Magnesium	436	MG/KG	U	ICPES	5	MG/KG	4610	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Manganese	73	MG/KG		ICPES	0.2	MG/KG	714	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Mercury	0.04	MG/KG	UJ	CVAA	0.01	MG/KG	0.1	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Nickel	2.7	MG/KG	U	ICPES	2	MG/KG	15.2	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Potassium	465	MG/KG	U	ICPES	74	MG/KG	3410	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Selenium	0.56	MG/KG	U	GFAA	0.4	MG/KG	1.7	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Silver	0.82	MG/KG	U	ICPES	1	MG/KG	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Sodium	79.5	MG/KG	U	ICPES	14	MG/KG	915	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Thallium	0.29	MG/KG	U	GFAA	0.2	MG/KG	1	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Vanadium	5.6	MG/KG	U	ICPES	0.5	MG/KG	41.9	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Zinc	25.7	MG/KG		ICPES	1	MG/KG	50.8	MG/KG
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Americium-241	-0.066	PCI/G		G	0.2145	PCI/G	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Americium-241	0.015	PCI/G		G	0.1545	PCI/G	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Cesium-137	0.011	PCI/G		G	0.03	PCI/G	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Cesium-137	0.013	PCI/G		G	0.0435	PCI/G	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Plutonium-238	0.01	PCI/G		RAS	0.002	PCI/G	0.014	PCI/G
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Plutonium-239	0.01	PCI/G		RAS	0.002	PCI/G	0.052	PCI/G
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Tritium	1.31588	PCI/G	J	LS	600	PCI/L	NA	NA
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Uranium-234	0.78	PCI/G		RAS	0.002	PCI/G	1.94	PCI/G
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Uranium-235	0	PCI/G		RAS	0.002	PCI/G	0.084	PCI/G
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Uranium-238	0.63	PCI/G		RAS	0.002	PCI/G	1.82	PCI/G
50-011(a)	50-3044	AAC0289	87.6 - 105.6	Water (Unbound)	8.32	%		GRAV	NA	NA	NA	NA

Attachment 3

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3020	AAC0293	84 - 114	Chrysene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Fluorene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Isophorone	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Naphthalene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Phenol	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Pyrene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Aniline	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Anthracene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Azobenzene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Benzo(a)pyrene	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3034	AAC0239	108 - 120	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Chrysene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Fluorene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Isophorone	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Naphthalene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Nitrosodiphenylamine[N-]	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3034	AAC0239	108 - 120	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Phenol	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Pyrene	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3034	AAC0239	108 - 120	Trichlorophenol[2,4,6-]	0.33	U	GCMS

U = Result Below Detection Limit

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3001	AAC0212	68.4 - 72	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Aniline	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Anthracene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Azobenzene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Chrysene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Fluorene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Isophorone	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Naphthalene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitroaniline[3-]	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Phenol	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Pyrene	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3001	AAC0212	68.4 - 72	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Aniline	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Anthracene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Azobenzene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Chrysene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Dinitrotoluene[2,4-]	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (In.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3009	AAC0294	147.6 - 162	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Fluorene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Isophorone	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Naphthalene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Phenol	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Pyrene	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3009	AAC0294	147.6 - 162	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Aniline	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Anthracene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Azobenzene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Chrysene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dibenz(a,h)anthracene	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3012	AAC0263	96 - 132	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Fluorene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Isophorone	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Naphthalene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Phenol	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Pyrene	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3012	AAC0263	96 - 132	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Aniline	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Anthracene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Azobenzene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Benzoic Acid	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (In.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3014	AAC0265	90 - 102	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Chrysene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Fluorene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Isophorone	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Naphthalene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Phenol	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (In.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3014	AAC0265	90 - 102	Pyrene	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3014	AAC0265	90 - 102	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Aniline	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Anthracene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Azobenzene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Chrysene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dimethyl Phthalate	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Fluorene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Isophorone	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Methylphenol[2-]	0.33	U	GCMS

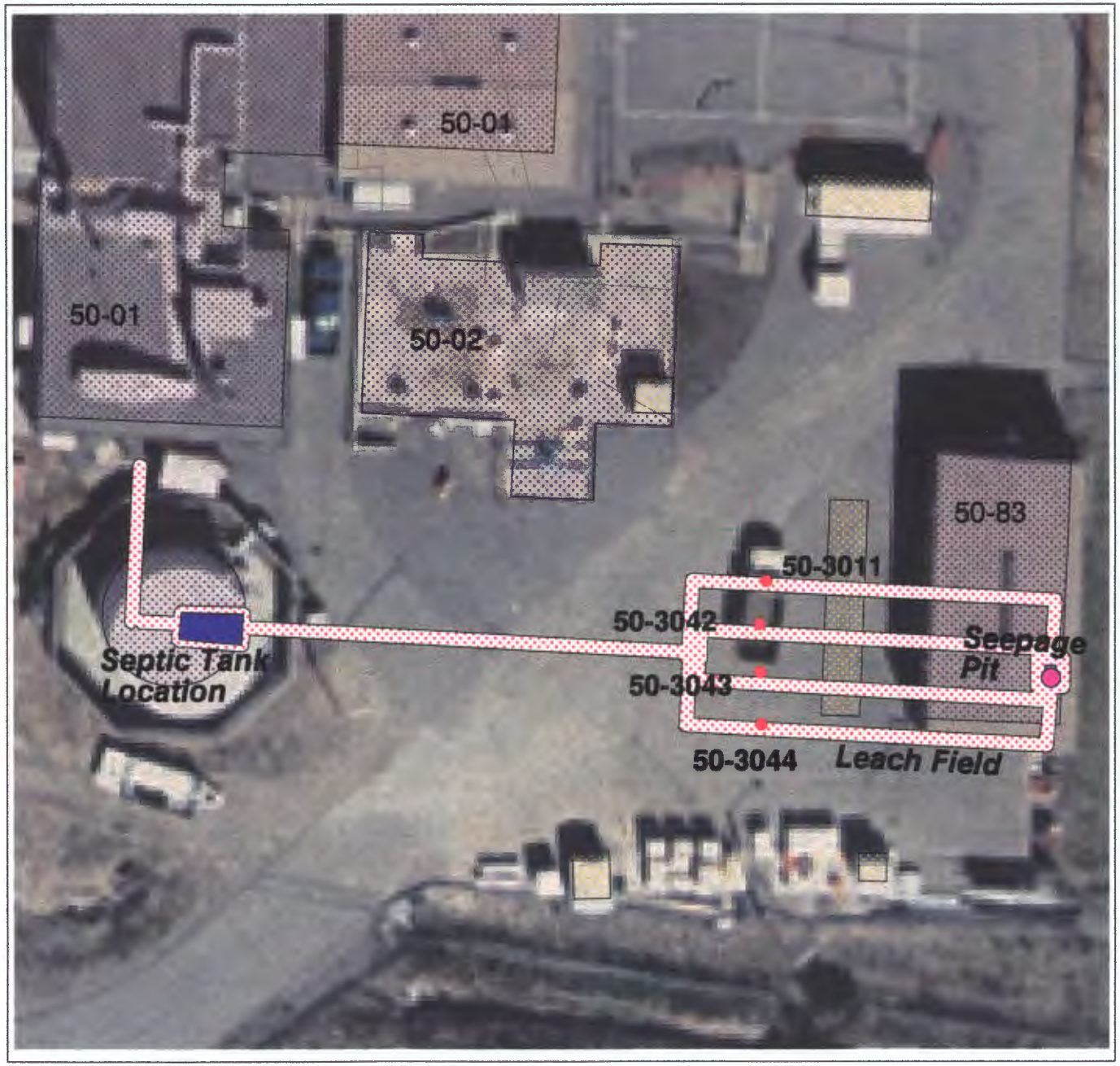
Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (in.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3016	AAC0292	150 - 163.2	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Naphthalene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Phenol	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Pyrene	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3016	AAC0292	150 - 163.2	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Aniline	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Anthracene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Azobenzene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Chrysene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Di-n-butylphthalate	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Di-n-octylphthalate	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dibenz(a,h)anthracene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dibenzofuran	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzene[1,2-]	0.005	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzene[1,2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzene[1,3-]	0.005	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzene[1,3-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzene[1,4-]	0.005	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzene[1,4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorobenzidine[3,3'-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dichlorophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Diethylphthalate	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dimethyl Phthalate	0.33	U	GCMS

Attachment 3
Semivolatile results for
50-004(c)

PR ID	LOCATION ID	SAMPLE ID	DEPTH (In.)	ANALYTE	RESULTS (MG/KG)	LAB QUALIFIER	TECHNIQUE CODE
50-004(c)	50-3018	AAC0290	126 - 150	Dimethylphenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dinitro-2-methylphenol[4,6-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dinitrophenol[2,4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dinitrotoluene[2,4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Dinitrotoluene[2,6-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Fluoranthene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Fluorene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Hexachlorobenzene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Hexachlorobutadiene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Hexachlorocyclopentadiene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Hexachloroethane	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Indeno(1,2,3-cd)pyrene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Isophorone	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Methylnaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Methylphenol[2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Naphthalene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitroaniline[2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitroaniline[3-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitrobenzene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitrophenol[2-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitrophenol[4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitroso-di-n-propylamine[N-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitrosodimethylamine[N-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Nitrosodiphenylamine[N-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Oxybis(1-chloropropane)[2,2"-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Pentachlorophenol	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Phenanthrene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Phenol	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Pyrene	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Trichlorobenzene[1,2,4-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Trichlorophenol[2,4,5-]	0.33	U	GCMS
50-004(c)	50-3018	AAC0290	126 - 150	Trichlorophenol[2,4,6-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Acenaphthene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Acenaphthylene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Aniline	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Anthracene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Azobenzene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzo(a)anthracene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzo(a)pyrene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzo(b)fluoranthene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzo(g,h,i)perylene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzo(k)fluoranthene	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzoic Acid	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Benzyl Alcohol	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Bis(2-chloroethoxy)methane	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Bis(2-chloroethyl)ether	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Bis(2-ethylhexyl)phthalate	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Bromophenyl-phenylether[4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Butylbenzylphthalate	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Chloro-3-methylphenol[4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Chloroaniline[4-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Chloronaphthalene[2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Chlorophenol[2-]	0.33	U	GCMS
50-004(c)	50-3020	AAC0293	84 - 114	Chlorophenyl-phenyl[4-] Ether	0.33	U	GCMS

Attachment 4



PRS 50-011(a)

- Core Holes
- Seepage Pit
- Former septic tank
- PRS 50-011(a)
- Temp Bldg
- Perm Bldg
- Gas Line
- Rad Waste
- Water Line

N

10 0 10 20 Feet