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Monitoring Event 19 Report – October/November 2001 for Site 9: Neptune Drive Disposal Site Naval Air Station, Brunswick, Maine

Contract No. N62472-92-D-1296
Contract Task Order No. 0047

U.S. NAVAL AIR STATION
BRUNSWICK, MAINE

Prepared for

Department of the Navy
Engineering Field Activity Northeast
Naval Facilities Engineering Command
10 Industrial Highway
Mail Stop No. 82
Lester, Pennsylvania 19113-2090

Prepared by

EA Engineering, Science, and Technology
The Maple Building
3 Washington Center
Newburgh, New York 12550

May 2002
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Alexander C. Easterday, P.G.
CTO Manager

17 May 2002
Date

Kenneth W. Kilmer
Program Manager

17 May 2002
Date

May 2002
296.0047

QUALITY REVIEW STATEMENT

Contract No. N62472-92-D-1296 EA Project No.: 29600.47
Contract Task Order No. 0047
Activity: Naval Air Station, Brunswick, Maine

Description of Report/Deliverable:

Monitoring Event 19 Report – October/November 2001 for Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine

EA CTO Manager: Alexander C. Easterday, P.G.

In compliance with EA's Quality Procedures for review of deliverables outlined in the Quality Management Plan, this final deliverable has been reviewed for quality by the undersigned Senior Technical Reviewer(s). The information presented in this report/deliverable has been prepared in accordance with the approved Implementation Plan for the Contract Task Order (CTO) and reflects a proper presentation of the data and/or the conclusions drawn and/or the analyses or design completed during the conduct of the work. This statement is based upon the standards identified in the CTO and/or the standard of care existing at the time of preparation.

Senior Technical Reviewer

5/17/02

Richard W. Waterman (Date)
Vice President

QUALITY REVIEW STATEMENT

Contract No. N62472-92-D-1296 EA Project No.: 29600.47
Contract Task Order No. 47
Activity: Naval Air Station, Brunswick, Maine

Description of Report/Deliverable:

Monitoring Event 19 Report – October/November 2001 for Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine

EA CTO Manager: Alexander C. Easterday, P.G.

As per State of Maine Department of Professional and Financial Regulations, Title 32 Chapter 73, Law, the sections of this document related to geology and geologic data interpretation have been reviewed for its technical content by the undersigned State of Maine Certified Geologist.

Specifically, Section 1.2.1 and Figure 3 of this document have been reviewed by the undersigned for their geological interpretive content. This statement is based upon the review of the undersigned conducted during the preparation of this report, as dated below.

Certified Geologist Reviewer

STATE OF MAINE
GINA M. CALDERONE
No. GE442
CERTIFIED GEOLOGIST

Gina M. Calderone 2/7/02

Gina M. Calderone, CPG (Date)
State of Maine Certified Geologist (No. GE442)

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1. PROJECT ACTIVITIES AND MONITORING EVENT RESULTS

1.1 INTRODUCTION

Under Contract No. N62472-92-D-1296, Contract Task Order No. 0047, Engineering Field Activity Northeast, Naval Facilities Engineering Command contracted with EA Engineering, Science, and Technology to perform long-term monitoring at the Neptune Drive Disposal Site (Site 9), Naval Air Station (NAS), Brunswick, Maine. NAS Brunswick is located south of the Androscoggin River between Brunswick and Cooks Corner, Maine (Figure 1). The layout of Site 9 is provided on Figure 2.

At Site 9, the Navy is providing monitoring and maintenance as part of the long-term remedial actions required by the Final Record of Decision for Site 9 (EA 1999a). Monitoring Event 19 was sampled in accordance with the Final Long-Term Monitoring Plan (EA 1999b).

This report provides results for Monitoring Event 19. This monitoring event was previously scheduled to occur in September 2001, however, due to world events that occurred 11 September 2001, the sampling event was delayed until October/November 2001. Appendix A contains the laboratory analytical data summary (Tables A-1 through A-10). Appendix B provides field monitoring and sampling forms. Appendix C provides an analytical data quality review. Appendix D provides analytical report Form I data tables. Temporal trends and other observations based on data collected during bi-annual monitoring will be presented in the Annual Report for 2001.

1.2 MEASUREMENT OF WATER LEVEL ELEVATIONS

1.2.1 Gauging Activities

Water level measurements for Monitoring Event 19 were collected on 30 October 2001 at the 17 monitoring wells and 2 stream gauge stations as indicated in Table 1. The locations of site monitoring wells and gauging stations are provided on Figure 2. To collect data related to upgradient ground-water flow patterns, depth to ground water was measured (gauged) in 9 monitoring wells at the Navy Exchange Service Station on 30 October 2001. The gauging procedures are detailed in the final report for Monitoring Event 4 (EA 1996).

1.2.2 Results

Water level gauging data recorded on 30 October 2001 are provided in Table 2. Water level gauging data recorded at the Navy Exchange Service Station on 30 October 2001 are provided in Table 3. The Field Record of Well Gauging Forms completed during the well gauging events are provided in Appendix B.

Figure 3 provides the ground-water potentiometric surface elevations and flow directions for Site 9 based on the October 2001 gauging data.

1.3 GROUND-WATER MONITORING, SAMPLING, AND ANALYSIS

1.3.1 Sampling Activities

The ground-water sampling program was completed on 24-26 October 2001 in accordance with the general methodologies established in the final Long-Term Monitoring Plan (EA 1999b), with the exception of the aqueous diffusion samples that were collected as described in previous phases of the Brunswick pilot study. Previously installed dedicated Grundfos Redi-Flo2 stainless steel and Teflon® submersible pumping systems were utilized for sample collection at Site 9.

A pilot study was conducted at the 9 monitoring wells sampled and analyzed for Target Compound List volatile organic compounds to assess whether aqueous diffusion samplers can be used effectively as an alternative to the low-flow sampling method at Site 9. On 8-9 October 2001, samplers were placed in 9 monitoring wells at varying depths across the length of the well screen. A total of 7 of 9 wells had three samplers placed at the shallow, mid-depth, and deep interval of the well screen. Only two samplers were installed within monitoring wells MW-NASB-072 and MW-NASB-021, each with 5-ft screen lengths. The diffusion samplers were retrieved on 24-26 October 2001, after being allowed to equilibrate in each well for approximately 16-17 days. As part of the pilot study, low-flow ground-water sampling was conducted in each of the 9 monitoring wells immediately following retrieval of the aqueous diffusion samplers. The results of the diffusion sampler pilot study are presented in a separate letter report (EA 2002).

Ground-water samples were collected from 12 of 17 wells at Site 9 during Monitoring Event 19 using the low-flow sampling technique and/or diffusion sampling method. Table 1 provides a summary of the total number of wells scheduled to be sampled during Monitoring Event 19 (note that samples were not scheduled to be collected from monitoring wells MW-NASB-073, MW-NASB-077, MW-NASB-078, MW-NASB-081, and MW-NASB–204).

Water quality indicator parameters, including pH, conductivity, temperature, dissolved oxygen, turbidity, and Eh, were measured immediately following removal of the diffusion samplers. A YSI 600XL water quality meter was utilized to collect water quality data downhole (note that the YSI 600XL water quality meter does not record turbidity [Table 1]). Water quality indicator data are presented in Table 4. When comparing the water quality data collected following the diffusion sampling to the water quality data collected during the low-flow sampling, it generally appears that there were slightly higher pH and dissolved oxygen results and slightly lower temperature results with the diffusion sampler data as opposed to the low-flow data. Conductivity results were similar between the diffusion sampler data and the low flow data. Field Record of Well Gauging, Purging, and Sampling forms are provided in Appendix B.

Water quality indicator parameters, including pH, conductivity, temperature, dissolved oxygen, and turbidity, were measured during well purging using a flow-through cell. Oxidation-reduction potential (Eh) was recorded for informational purposes. Stabilization of water quality indicator parameters was achieved when measurements agreed to within approximately 10 percent on 3 successive readings, and turbidity was below 10 nephelometric turbidity units (goal). Wells were purged at the lowest flow rate obtainable with the submersible pump (0.1 L/minute). Well MW-NASB-071 was purged at 1.0 L/minute. The drawdown during purging was 0.05 ft, indicating that the well was not stressed during sampling. All Site 9 monitoring wells stabilized with respect to water quality indicators prior to sampling with the exception of monitoring wells MW-NASB-071, MW-NASB-076, MW-NASB-079, MW-NASB-080, and MW-NASB-021 (turbidity stabilized at 15, 10, 10, 17, and 17 nephelometric turbidity units, respectively). Reduced dissolved oxygen concentrations (<2.0 mg/L) were noted in samples from all of the monitoring wells except well MW-NASB-022 (the lowest concentration of 0.36 mg/L was detected at MW-NASB-079). Water quality parameters are summarized in Table 4 for the ground-water samples. Field Record of Well Gauging, Purging, and Sampling forms are provided in Appendix B.

Samples were analyzed by Katahdin Analytical Services, a State of Maine Department of Human Services Certified laboratory located in Westbrook, Maine (Certification No. ME019). Katahdin Analytical Services of Westbrook, Maine is a Naval Facilities Engineering Service Center-accepted laboratory (correspondence dated 5 March 2001 from the Department of the Navy to Katahdin Analytical Services).

Ground-water samples collected from monitoring wells at Site 9 (except for monitoring well MW-NASB-076) were analyzed for the following:

- Target Compound List volatile organic compounds by U.S. Environmental Protection Agency (EPA) Method 8260B.

Ground-water samples collected from monitoring wells MW-NASB-069, MW-NASB-070, and MW-NASB-079 were also analyzed for the following:

- Semivolatile organic compounds by EPA Method 8270C
- Target Analyte List elements, including metals by inductively coupled plasma by EPA Method 6010, graphite furnace by EPA Method 7000 Series, and mercury by cold vapor atomic absorption by EPA Method 7470.

Monitoring well MW-NASB-076 was analyzed for the following:

- Volatile organic compounds by EPA Method 8260B modified for selected ion mass for vinyl chloride only.

Monitoring well MW-NASB-077 was not sampled since it was removed from the sampling program in August 2000 (EA 2000a).

1.3.2 Analytical Data

Tables A-1 and A-3 summarize the analytical data for the ground-water samples. Appendix D contains the laboratory Form I summary tables for the analyses performed.

1.4 SURFACE WATER AND LEACHATE STATION SEEP SAMPLING AND ANALYSIS

1.4.1 Sampling Activities

The surface water and leachate station seep sampling program was completed on 9 November 2001 in accordance with the Final Long-Term Monitoring Plan (EA 1999b). Water quality indicator parameters for the surface water sample and leachate seep samples are summarized on Table 5.

Notable observations of water quality indicator parameter measurements for surface water and the leachate seep sample are described below for informational purposes, although sample data quality is not expected to be adversely impacted (insufficient water was available to obtain water quality data for leachate seep sample LT-901):

- The pH reading was slightly lower for the surface water sample collected for Monitoring Event 19 as opposed to those collected during Monitoring Event 18.
- The dissolved oxygen concentrations were slightly higher for the surface water sample collected for Monitoring Event 19 as opposed to those collected during Monitoring Event 18.
- Temperature and conductivity readings were significantly lower for the surface water sample collected for Monitoring Event 19 as opposed to the sample collected for Monitoring Event 18.
- Eh concentrations and turbidity readings were not collected during Monitoring Event 19.

Surface water and leachate station seep samples were analyzed Target Compound List volatile organic compounds by EPA Method 8260B.

Table 1 provides a summary of the surface water and leachate station seep sampling program completed during Monitoring Event 19.

1.4.2 Analytical Data

Surface water sample results are summarized in Table A-4. Leachate seep sample results are summarized in Table A-5. Appendix D contains the Form I summary table for the analysis performed. The sample locations are shown on Figure 2.

1.5 STREAM SEDIMENT SAMPLING AND ANALYSIS

1.5.1 Sampling Activities

The stream sediment sampling program was completed on 9 November 2001 in accordance with the Long-Term Monitoring Plan (EA 1999b). Samples were analyzed by Katahdin Analytical Services.

The stream sediment sample (SED-010) was analyzed for Target Compound List volatile organic compounds by EPA Method 8260B.

The stream sediment samples were collected with a modified version of the EnCore® sampler, preserved with sodium bisulfate and methanol, then extracted for volatile organic compounds using EPA Method 5035/5030. This change of collection, preservation, and extraction was agreed upon at the 2 August 2000 Technical Meeting (EA 2000b) for use in future sampling events. Revisions to the Long-Term Monitoring Plan were completed in July 2001 (EA 2001) and reflect the changes to the collection, preservation, and extraction procedures. Previously, the sediment samples were not extracted and field preservation was not conducted other than ice. The sample was collected using standard collection methods for volatile organic compounds.

Table 1 provides a summary of the stream sediment sampling program completed during Monitoring Event 19.

1.5.2 Analytical Data

Table A-6 summarizes analytical results for the stream sediment sample. Appendix D contains the Form I summary table for the analysis performed. The sample location is shown on Figure 2.

1.6 VISUAL INSPECTION

Inspection activities at Site 9 were completed by on 25 October 2001 in accordance with the Final Long-Term Monitoring Plan (1999b). There was no evidence of stressed vegetation or physical evidence of tampering with the site wells at the time of the inspection. The site monitoring wells were observed to be capped, labeled, locked, and in good condition.

1.7 QUALITY ASSURANCE/QUALITY CONTROL

A rigorous quality assurance/quality control program is required to meet the data quality objectives of the sampling program (ABB-ES 1994). The data obtained during Monitoring Event 19 were determined to be of sufficient quality to be used to evaluate the long-term effectiveness of the remedial action (i.e., monitored natural attenuation). Table A-7 provides a summary of quality control samples collected from Site 9 between 23 October and 9 November 2001.

1.8 ANALYTICAL DATA QUALITY REVIEW

A review of laboratory data was performed on selected quality control parameters to evaluate precision, accuracy, completeness, comparability, and data quality objective requirements. A complete summary of the analytical data quality review is provided in Appendix C. Method detection limits for solid and aqueous media are included in Appendix C. The data represented in this report were found to meet the specified acceptance criteria, with the exception of the following:

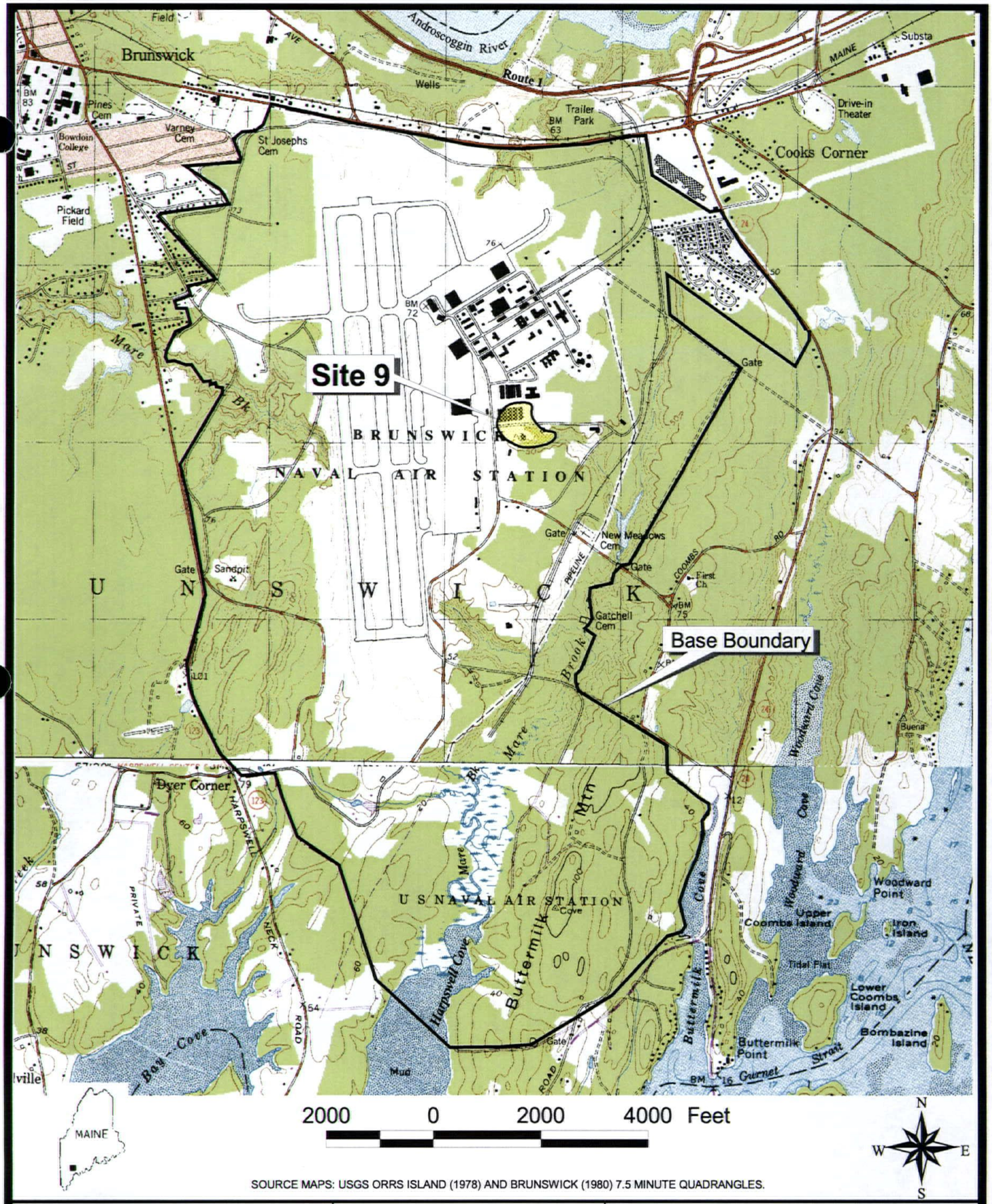
- The results for acetone in sample LT-901 DUP should be considered estimated due to the exceedance of laboratory control standards criteria.
- The non-detect result for antimony and the positive detections of calcium, magnesium, and manganese in samples SED-010 and SED-010 DUP should be considered estimated bias low due to the exceedance of the matrix spike/matrix spike duplicate recovery criteria.
- The positive methylene chloride detections for samples QS-003 and QD-001 should be considered false-positives due to method blank contamination.
- The positive acetone detection in sample LT-901 DUP should be considered false-positive due to source water blank contamination.
- The positive detection of potassium in samples MW-NASB-069, MW-NASB-070, MW-NASB-079, and MW-NASB-069 DUP should be considered false-positive due to source water blank contamination.
- Total-1,2-dichloroethene and trichloroethene concentrations in sample SED-010 should be considered as estimated values due to the exceedances of field precision criteria.
- Sample MW-NASB-070 had a positive concentration of iron within the expected range of variability of the source water contamination and should, therefore, be considered as false-positive due to source water contamination.

- Sample MW-NASB-079 had a positive concentration of sodium within the expected range of variability of the source water contamination and should, therefore, be considered as false-positive due to source water contamination.

- Samples SED-010 and SED-010 DUP had positive concentrations of beryllium, potassium, and sodium within the expected range of variability of the source water and rinsate blank contamination and should, therefore, be considered as false-positives due to source water contamination.

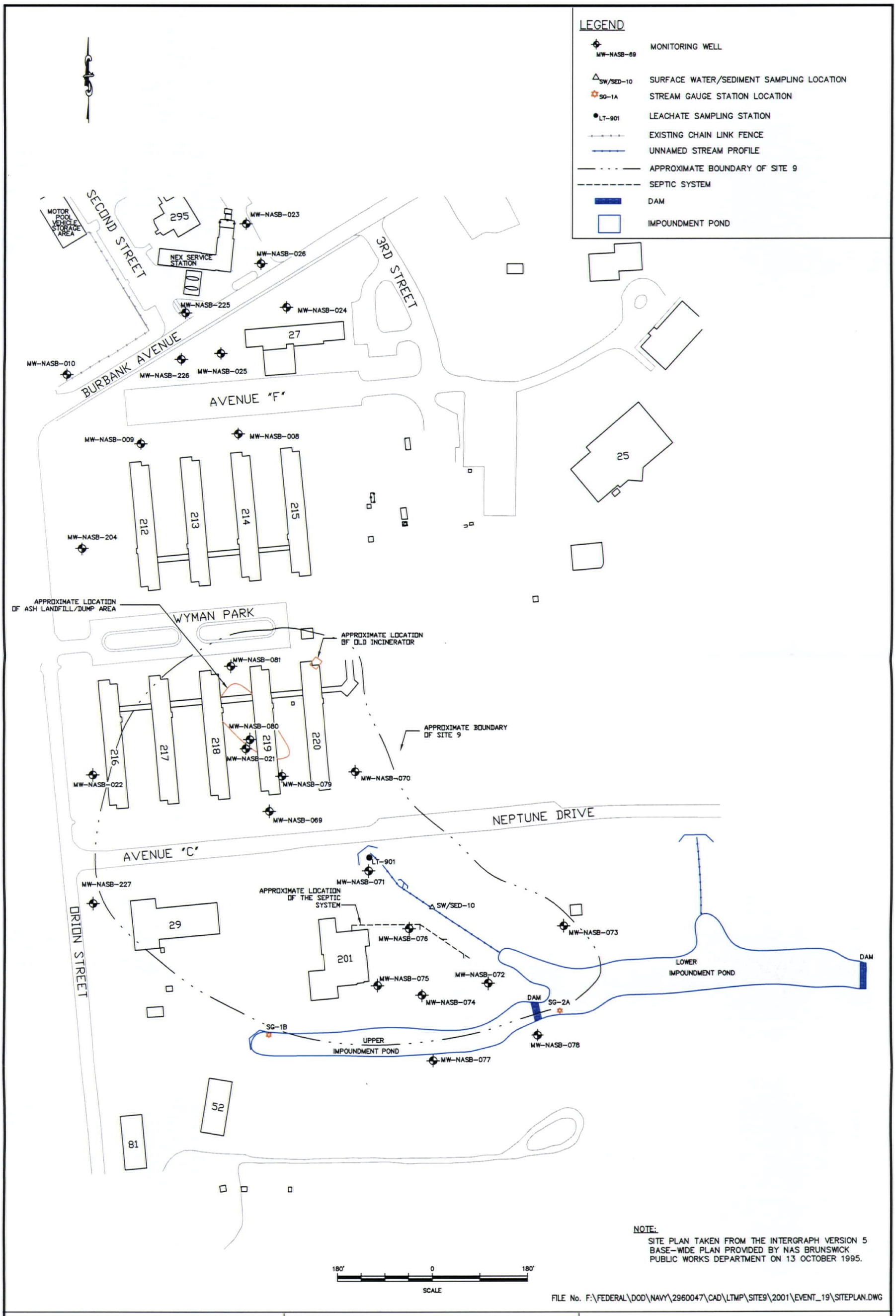
- The results for iron in sample MW-NASB-069 should be considered an estimated value due to the exceedances of field precision criteria.

However, analytical data are considered to be of sufficient quality to evaluate the long-term effectiveness of the remedial action (i.e., monitored natural attenuation).



SOURCE MAPS: USGS ORRS ISLAND (1978) AND BRUNSWICK (1980) 7.5 MINUTE QUADRANGLES.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY	NAVAL AIR STATION BRUNSWICK, MAINE	FIGURE I SITE LOCATION MAP, SITE 9 (NEPTUNE DRIVE DISPOSAL SITE)					
PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT No	FILE No
ACE	BT	BT	ACE	AS SHOWN	6 MARCH 2000	29600.47	I:\NASB_GIS \NAVY.APR



NOTE:
SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.

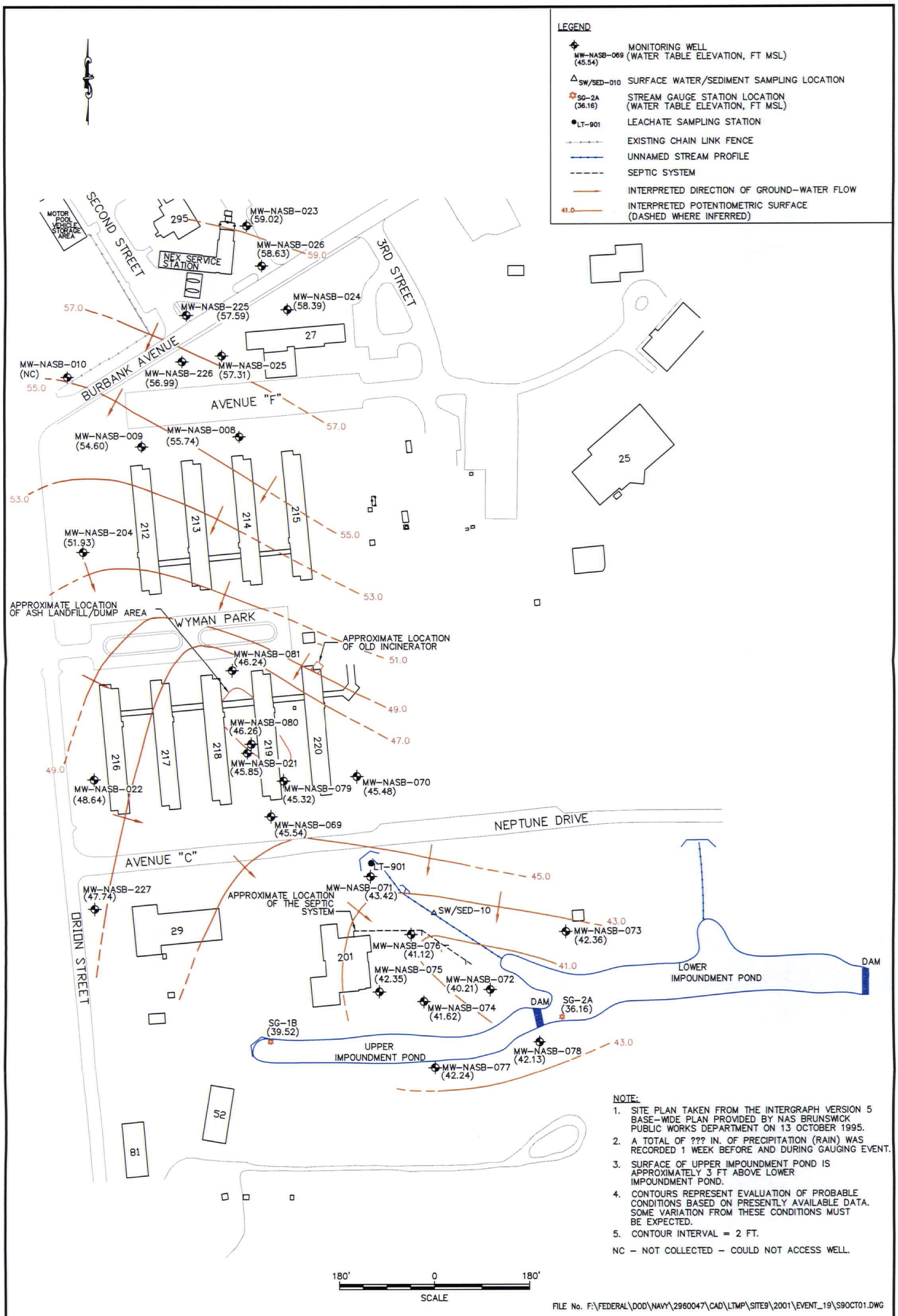
FILE No. F:\FEDERAL\DOD\NAVY\2960047\CAD\LTMP\SITE9\2001\EVENT_19\SITEPLAN.DWG

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

SITE 9
(NEPTUNE DRIVE DISPOSAL SITE)
NAVAL AIR STATION
BRUNSWICK, MAINE

FIGURE 2
SITE PLAN

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
AE	SAP	SAP	GMC	1"=180'	2 JANUARY 2002	29600.47	SITEPLAN



NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.
2. A TOTAL OF ??? IN. OF PRECIPITATION (RAIN) WAS RECORDED 1 WEEK BEFORE AND DURING GAUGING EVENT.
3. SURFACE OF UPPER IMPOUNDMENT POND IS APPROXIMATELY 3 FT ABOVE LOWER IMPOUNDMENT POND.
4. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.
5. CONTOUR INTERVAL = 2 FT.

NC – NOT COLLECTED – COULD NOT ACCESS WELL.

FILE No. F:\FEDERAL\DOD\NAVY\2960047\CAD\LTMP\SITE9\2001\EVENT_19\S9OCT01.DWG

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

SITE 9
(NEPTUNE DRIVE DISPOSAL SITE)
NAVAL AIR STATION
BRUNSWICK, MAINE

FIGURE 3
INTERPRETED POTENTIOMETRIC SURFACE ELEVATIONS, 30 OCTOBER 2001 WELL GAUGING DATA

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
AE	SAP	SAP	AE/GMC	AS SHOWN	2 JANUARY 2002	29600.47	S9OCT01

TABLE 1 SUMMARY OF LONG-TERM MONITORING PROGRAM AT SITE 9

Well Designation	Previous Well Designation	Monitoring Frequency	Sample Parameters			Monitoring Event 19	
			TCL VOC	TAL Elements	Field Parameters[a]	Gauged	Sampled
Monitoring Wells							
MW-NASB-021	None	Bi-Annual	X	NR	X	X	X
MW-NASB-069	MW-901	Bi-Annual	X	X[b]	X	X	X
MW-NASB-070	MW-902	Bi-Annual	NR	X[b]	X	X	X
MW-NASB-071	MW-903	Bi-Annual	X	NR	X	X	X
MW-NASB-072	MW-904	Bi-Annual	X	NR	X	X	X
MW-NASB-073	MW-905	Bi-Annual	NR	NR	NR	X[c]	NR
MW-NASB-074	MW-906	Bi-Annual	X	NR	X	X	X
MW-NASB-075	MW-907	Bi-Annual	X	NR	X	X	X
MW-NASB-076	MW-908	Bi-Annual	X[d]	NR	X	X	X
MW-NASB-077	MW-909	Bi-Annual	NR[e]	NR	X	X	NR
MW-NASB-078	MW-910	Bi-Annual	NR	NR	NR	X[c]	NR
MW-NASB-079	MW-914	Bi-Annual	NR	X[b]	X	X	X
MW-NASB-080	MW-915	Bi-Annual	X	NR	X	X	X
MW-NASB-081	MW-916	Bi-Annual	NR	NR	NR	X[c]	NR
MW-NASB-022	None	Bi-Annual	X	NR	X	X	X
MW-NASB-204	None	Bi-Annual	NR	NR	NR	X[c]	NR
MW-NASB-227	None	Bi-Annual	X	NR	X	X	X

Sample Type/Location	Monitoring Frequency	Sample Parameters		Monitoring Event 19	
		TCL VOC	Field Parameters[a]	Gauged	Sampled
Leachate Station					
LT-901 (SEEP)	Bi-Annual	X	X	NR	X
Surface Water					
SW-010	Bi-Annual	X	X	NR	X
Sediment					
SED-010	Bi-Annual	X	NR	NR	X
Stream Gauge Water					
SG-1B[f]	Bi-Annual	NR	NR	X[c]	NR
SG-2A	Bi-Annual	NR	NR	X[c]	NR

(a) Determination of field parameters in accordance with EPA/600/4-79/020 using the following methods: pH (Method 150.1), temperature (Method 170.1), specific conductance (Method 120.1), and turbidity (180.1); optional field parameters, including dissolved oxygen (Method 360.1) and Eh, were also recorded. Includes water level measurement.
(b) Well will be sampled and analyzed for semivolatile organic compounds by EPA Method 8270C.
(c) Indicates water level measurement only.
(d) Monitoring well MW-NASB-076 was analyzed by EPA Method 8260B modified for selected ion mass for vinyl chloride only.
(e) Monitoring well MW-NASB-077 was analyzed for two rounds (September 1999 and April 2000) using EPA Method 8260B modified for selected ion mass for vinyl chloride. Results for both rounds were non-detect, therefore, monitoring well MW-NASB-077 was removed from the sampling program in August 2000.
(f) Stream gauge SG-1A was replaced with SG-1B prior to Monitoring Event 17. However, SG-1B was not surveyed at the time of this report.

NOTE: TCL = Target Compound List; VOC = Volatile organic compounds; TAL = Target Analyte List; NR = Procedure not required; EPA = U.S. Environmental Protection Agency.

TABLE 2 MONITORING WELL GAUGING SUMMARY, SITE 9
30 OCTOBER 2001

Well Designation	Previous Well Designation	Top of Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of PVC Riser)	Depth to Water (ft below top of PVC riser)	Water Table Elevations (ft MSL)
MW-NASB-069	MW-901	57.35	42.42	11.81	45.54
MW-NASB-070	MW-902	58.26	27.32	12.78	45.48
MW-NASB-071	MW-903	46.25	21.54	2.83	43.42
MW-NASB-072	MW-904	49.81	14.63	9.60	40.21
MW-NASB-073	MW-905	51.71	32.12	9.35	42.36
MW-NASB-074	MW-906	51.68	27.12	10.06	41.62
MW-NASB-075	MW-907	54.91	21.22	12.56	42.35
MW-NASB-076	MW-908	52.79	19.94	11.67	41.12
MW-NASB-077	MW-909	58.89	37.29	16.65	42.24
MW-NASB-078	MW-910	53.74	14.93	11.61	42.13
MW-NASB-079	MW-914	58.15	18.92	12.83	45.32
MW-NASB-080	MW-915	58.51	19.04	12.25	46.26
MW-NASB-081	MW-916	58.22	18.85	11.98	46.24
MW-NASB-021	None	58.35	50.30	12.50	45.85
MW-NASB-022	None	59.52	17.97	10.88	48.64
MW-NASB-204	None	62.09	17.93	10.16	51.93
MW-NASB-227	None	58.39	40.60	10.65	47.74
Stream Gauging Station					
SG-1B	None	37.35[a]	NA	2.60	39.95
SG-2A	None	34.41[a]	NA	1.75	36.16

(a) Measurement from surveyed point on staff gauge. Zero mark on the staff gauge is the measured elevation.

NOTE: MSL = Mean sea level; PVC = polyvinyl chloride; NA = not applicable.

TABLE 3 MONITORING WELL GAUGING SUMMARY FOR 30 OCTOBER 2001 AT THE NAVY EXCHANGE SERVICE STATION

Well Designation	Top of Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of PVC Riser)	Depth to Water (ft below top of PVC riser)	Water Table Elevations (ft MSL)
MW-NASB-8	59.22	13.15	3.48	55.74
MW-NASB-9	59.00	11.50	4.40	54.60
MW-NASB-10	62.03	12.40	---	---
MW-NASB-23	67.29	21.90	8.27	59.02
MW-NASB-24	65.31	13.15	6.92	58.39
MW-NASB-25	64.34	14.70	7.03	57.31
MW-NASB-26	66.61	12.55	7.98	58.63
MW-NASB-225	64.61	14.31	7.02	57.59
MW-NASB-226	62.22	12.68	5.23	56.99

NOTE: MSL = Mean sea level.
PVC = Polyvinyl chloride.
Dashes (---) indicate no access to well, therefore, no data available.
Monitoring wells listed on this table are not part of Site 9.
Water elevations were collected at the Navy Exchange Service Station wells to provide data upgradient of Site 9.

TABLE 4 SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN GROUND-WATER SAMPLES COLLECTED ON 24-26 OCTOBER 2001 AT SITE 9

Well Designation	Previous Well Designation	pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
MW-NASB-069	MW-901	5.96	16.07	336	0.82	7	100
MW-NASB-070	MW-902	5.65	17.70	100	0.69	4	125
MW-NASB-071	MW-903	6.30	13.66	209	0.38	15	28
MW-NASB-072	MW-904	6.10	16.14	181	0.62	1	140
MW-NASB-074	MW-906	6.28	15.35	261	0.50	1	61
MW-NASB-075	MW-907	5.90	22.52	318	0.98	6	129
MW-NASB-076	MW-908	6.20	17.24	235	0.83	10	106
MW-NASB-079	MW-914	6.87	20.80	300	0.36	10	-59
MW-NASB-080	MW-915	6.60	22.40	390	1.06	17	-24
MW-NASB-021	None	6.04	16.84	250	0.65	17	104
MW-NASB-022	None	5.91	17.70	369	2.94	1	175
MW-NASB-227	None	5.90	15.23	250	0.56	3	113
Diffusion Sampling							
MW-NASB-021	None	6.12	15.72	195	1.66	NA	224
MW-NASB-022	None	6.29	13.60	252	4.70	NA	-41
MW-NASB-069	MW-901	6.33	14.30	198	0.95	NA	85
MW-NASB-071	MW-903	6.83	12.92	589	0.23	NA	46
MW-NASB-072	MW-904	6.56	11.17	179	2.11	NA	-27
MW-NASB-074	MW-906	6.51	10.77	257	0.57	NA	-63
MW-NASB-075	MW-907	6.07	12.94	265	1.26	NA	-92
MW-NASB-076	MW-908	6.47	13.01	486	1.23	NA	-16
MW-NASB-227	None	6.27	12.91	356	3.47	NA	156

NOTE: NTU = Nephelometric turbidity unit.
NA = Not available.
Diffusion sampling water quality data were collected utilizing an in-well YSI 600XL. It should be noted that this water quality meter does not record turbidity. Turbidity was measured with a Hach kit (or similar measurement device) for diffusion samples only.

TABLE 5 SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN SURFACE WATER AND LEACHATE SEEP SAMPLES COLLECTED ON 9 NOVEMBER 2001 AT SITE 9

Sample Designation	pH	Temperature (°C)	Conductivity (umhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Surface Water						
SW-010	6.34	9.72	178	9.89	NC	NC
Leachate Seep						
LT-901	---	---	---	---	---	---

NOTE: NTU = Nephelometric turbidity unit.
NC = Not collected.
Dashes (---) indicate insufficient water available to obtain water quality data.

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Appendix A

Laboratory Analytical Data Summary Tables

TABLE A-1 SUMMARY OF GROUND-WATER SAMPLES COLLECTED FROM SITE 9 BETWEEN 24 OCTOBER AND 26 OCTOBER 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			MW-NASB-021			MW-NASB-022			
			Diffusion sample		Ground water	Diffusion sample			Ground water
			Deep Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample
C mp und/Element	**MEG (a)**	**MCL (b)**							
Total VOC	---	---	0.8	ND	ND	1	ND	ND	ND
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	---	---	(<5U)	4JB	(<5U)	2JB	(<5U)	3JB	(<5U)
Benzene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Bromomethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloromethane	---	---	(<2U)	(<2U)	(<2U)	1J	(<2U)	(<2U)	(<2U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	5	(<1U)	2B	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	0.8J	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

			MW-NASB-069				MW-NASB-069 (Dup)	
			Diffusion sample			Ground water	Diffusion sample	Ground water
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Shallow Diffusion Sample	Low-flow sample
Comp und/Element	**MEG (a)**	**MCL (b)**						
Total VOC	---	---	89	79	135	92	137	107
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	39	51	60	37	59	44
Acetone	---	---	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Benzene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Bromomethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloromethane	---	---	1J	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	5	(<1U)	(<1U)	1JB	(<1U)	0.8JB	(<1U)
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	0.15	2	49	28	75	55	78	63
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

TABLE A-1 (CONTINUED)

			MW-NASB-071				MW-NASB-071 (Dup)	MW-NASB-072		
			Diffusion sample			Ground water	Diffusion sample	Diffusion sample		Ground water
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Deep Diffusion Sample	Deep Diffusion Sample	Shallow Diffusion Sample	Low-flow sample
C mpound/Element	**MEG (a)**	**MCL (b)**								
Total VOC	---	---	ND	ND	ND	ND	ND	0.6	ND	4
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	---	---	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Benzene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	0.6J	(<1U)	(<1U)
Bromomethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	3
Chloromethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	1J
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	5	2B	0.6JB	0.7JB	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

			MW-NASB-074				MW-NASB-075			
			Diffusion sample			Ground water	Diffusion sample			Ground water
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**								
Total VOC	---	---	2	2	ND	2.6	ND	ND	ND	ND
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	2	2	(<1U)	2	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	---	---	(<5U)	9B	6B	7	(<5U)	5B	6B	34
Benzene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Bromomethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloromethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	5	2B	1B	(<1U)	(<1U)	(<1U)	4B	4B	1JB
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	0.6J	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

TABLE A-1 (CONTINUED)

			MW-NASB-076				MW-NASB-076 (Dup)		MW-NASB-080
			Diffusion sample			Ground water	Diffusion sample	Ground Water	Ground Water
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Mid-depth Diffusion Sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**							
Total VOC	---	---	0.8	1	0.6	2.6	2	2.7	11.6
1,1-Dichloroethane	70	---		(<1U)		(<1U)	(<1U)	(<1U)	1
1,2-Dichloroethene, total	70	70		(<1U)		0.6J	(<1U)	0.7J	1
Acetone	---	---		(<5U)		120	6	67	5
Benzene	5	5		(<1U)		(<1U)	(<1U)	(<1U)	0.6J
Bromomethane	---	---		(<2U)		(<2U)	(<2U)	(<2U)	(<2U)
Chloromethane	---	---		(<2U)		(<2U)	1J	(<2U)	(<2U)
Ethylbenzene	700	700		(<1U)		(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	5		0.7JB		3B	(<1U)	(<1U)	3B
Tetrachloroethene	3	5		(<1U)		(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000		(<1U)		(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5		(<1U)		(<1U)	(<1U)	(<1U)	(<1U)
Vinyl Chloride	0.15	2	0.8	1	0.6	2	1	2D	9
Xylenes, total	600	10,000		(<1U)		(<1U)	(<1U)	(<1U)	(<1U)

			MW-NASB-227			
			Diffusion sample			Ground water
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample
Comp und/Element	**MEG (a)**	**MCL (b)**				
Total VOC	---	---	2	2	2	7.7
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	2	2	2	4
Acetone	---	---	(<5U)	(<5U)	3JB	(<5U)
Benzene	5	5	(<1U)	(<1U)	(<1U)	(<1U)
Bromomethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)
Chloromethane	---	---	(<2U)	(<2U)	(<2U)	(<2U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	5	(<1U)	(<1U)	0.7JB	(<1U)
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	0.7J
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	(<1U)	(<1U)	(<1U)	3
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)

TABLE A-1 (CONTINUED)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank
U = Not detected. Sample quantitation limits are shown as (<____U).
J = Estimated concentration.
B = Compound detected in associated method blank.
ND = Not detected.
Only those analytes detected in at least one of the samples, and chemicals of concern listed in the Final Long-Term Monitoring Plan (EA 1999b), are shown on this table.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE A-2 SUMMARY OF GROUND-WATER SAMPLES COLLECTED FROM SITE 9 BETWEEN 24 OCTOBER AND 26 OCTOBER 2001
SEMIVOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8270C

			MW-NASB-069	MW-NASB-069 (Dup)	MW-NASB-070	MW-NASB-079
			Ground water	Ground water	Ground water	Ground water
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
C mpound/Element	**MEG (a)**	**MCL (b)**				

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NO SVOC DETECTED

TABLE A-3 SUMMARY OF GROUND-WATER SAMPLES COLLECTED FROM SITE 9 BETWEEN 24 OCTOBER AND 26 OCTOBER 2001
TARGET ANALYTE LIST ELEMENTS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			MW-NASB-069	MW-NASB-069 (Dup)	MW-NASB-070	MW-NASB-079
			Ground water	Ground water	Ground water	Ground water
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**				
Aluminum	1,430	200	**1,960**	161B*	200B*	168B*
Arsenic	---	50	(<2.53U)	(<2.53U)	(<2.53U)	6.2B*
Barium	1,500	2,000	19.8	7.4	20.1	356
Beryllium	---	4	0.43B*	0.26B*	(<0.18U)	(<0.18U)
Cadmium	5	5	1.7B*	0.31B*	0.45B*	(<0.24U)
Calcium	---	---	7,530	6,090	9,440	33,500
Chromium	100	100	34.9	1.4B*	7B*	0.68B*
Cobalt	---	---	3.2B*	(<0.92U)	1.1B*	(<0.92U)
Copper	---	1,300	11.9B*	0.97B*	69.9	(<0.84U)
Iron	---	300	**4,510**	**542**	234	**29,600**
Lead	---	15	3.4B*	2.3B*	3.2B*	3.3B*
Magnesium	---	---	3,800	2,610	1,080	2,230
Manganese	200	50	**521**	**434**	**1,460**	**144**
Mercury	2	2	(<0.03U)	0.05B*	(<0.03U)	(<0.03U)
Nickel	100	100	23.8B*	3.5B*	6.5B*	2.8B*
Potassium	---	---	2,210	1,610	877B*	4,160
Sodium	---	---	58,400	57,400	12,200	7,430
Vanadium	---	---	8.5B*	1.3B*	(<0.52U)	0.6B*
Zinc	---	5,000	15.3B*	3.9B*	6.7B*	3.2B*

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
U = Not detected. Sample quantitation limits are shown as (<____U).
Only those analytes detected in at least one of the samples, and chemicals of concern listed in the Final Long-Term Monitoring Plan (EA 1999b), are shown on this table.
Refer to data Quality Review section (Appendix B) for Method Detection Limits for referenced analytical methods.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE A-4 SUMMARY OF SURFACE WATER SAMPLES COLLECTED FROM SITE 9 ON 9 NOVEMBER 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SW-10
			Surface water
			Grab sample
Compound/Element	**MEG (a)**	**MCL (b)**	
Total VOC	---	---	0.7
1,2-Dichloroethene, total	---	---	0.7J
Acetone	---	---	3J
Vinyl chloride	---	---	(<2U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank
SW = Surface water sample locations.
U = Not detected. Sample quantitation limits are shown as (<____U).
J = Estimated concentration.
Only those compounds detected in at least one of the samples and vinyl chloride are shown on this table.

TABLE A-5 SUMMARY OF LEACHATE SEEP SAMPLES COLLECTED FROM SITE 9 ON 9 NOVEMBER 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			LT-901	LT-901 (Dup)
			Leachate	Leachate
			Grab sample	Grab sample
Comp und/Element	**MEG (a)**	**MCL (b)**		
Total VOC	---	---	ND	ND
Methylene chloride	---	---	(<1U)	0.5JB
Vinyl chloride	---	---	(<2U)	(<2U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
LT = Leachate sample.
U = Not detected. Sample quantitation limits are shown as (<___U).
J = Estimated concentration.
B = Compound detected in associated method blank.
ND = Not detected.
Only those analytes detected in at least one of the samples and vinyl chloride are shown on this table.

TABLE A-6 SUMMARY OF SEDIMENT SAMPLES COLLECTED FROM SITE 9 ON 9 NOVEMBER 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SED-10	SED-10 (Dup)
			Sediment	Sediment
			Grab sample	Grab sample
Compound/Element	**MEG (a)**	**MCL (b)**		
Total VOC	---	---	64.2	72.8
1,2-Dichloroethene, total	---	---	2	1
Acetone	---	---	240J	260D
Bromoform	---	---	58	69
Carbon disulfide	---	---	2	2
Chloroform	---	---	0.8J	0.8J
Dibromochloromethane	---	---	0.6J	(<1U)
Methylene chloride	---	---	88B	92B
Trichloroethene	---	---	0.8J	(<1U)
Vinyl chloride	---	---	(<2U)	(<2U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/Kg).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
U = Not detected. Sample quantitation limits are shown as (<___U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples are shown on this table.

TABLE A-7 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM SITE 9 BETWEEN 23 OCTOBER AND 9 NOVEMBER 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			EP-DSRB1	EP-QS-001	QT-01	QT-02	QT-07	S1-RB2	S9-QD-001	S9-QS-001
			Rinsate Blank	Rinsate Blank	Trip Blank	Trip Blank	Trip Blank	Rinsate Blank	Source Water Blank	Rinsate Blank
Compound/Element	**MEG (a)**	**MCL (b)**								
Total VOC	---	---	0.6	ND	ND	ND	ND	4	ND	ND
1,1,1-Trichloroethane	---	---	0.6J	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
2-Butanone	---	---	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	4J	(<5U)	(<5U)
Acetone	---	---	(<5U)	3JB	4JB	(<5U)	4J	(<5U)	(<5U)	(<5U)
Methylene chloride	---	---	(<1U)	(<1U)	(<1U)	1B	1B	0.9JB	(<1U)	(<1U)
Trichloroethene	---	---	5B	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
QT = Trip blank.
QS = Equipment rinsate blank.
QD =Source water blank.
U = Not detected. Sample quantitation limits are shown as (<___U).
J = Estimated concentration.
B = Compound detected in associated method blank.
ND = Not detected.
Only those analytes detected in at least one of the samples and vinyl chloride are shown on this table.

TABLE A-8 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM SITE 9 BETWEEN 23 OCTOBER AND 9 NOVEMBER 2001
PESTICIDES BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8081A

			S1-QD-001
			Source Water Blank
C mp und/Element	**MEG (a)**	**MCL (b)**	
4,4'-DDD	---	---	(<0.1U)
4,4'-DDE	---	---	(<0.1U)
4,4'-DDT	---	---	(<0.1U)
Aldrin	---	---	(<0.05U)
alpha-BHC	---	---	(<0.05U)
alpha-Chlordane	---	---	(<0.05U)
beta-BHC	---	---	(<0.05U)
delta-BHC	---	---	(<0.05U)
Dieldrin	---	---	(<0.1U)
Endosulfan I	---	---	(<0.05U)
Endosulfan II	---	---	(<0.1U)
Endosulfan Sulfate	---	---	(<0.1U)
Endrin	---	---	(<0.1U)
Endrin Aldehyde	---	---	(<0.1U)
Endrin Ketone	---	---	(<0.1U)
gamma-BHC	---	---	(<0.05U)
Gamma-chlordane	---	---	(<0.05U)
Heptachlor	---	---	(<0.05U)
Heptachlor Epoxide	---	---	(<0.05U)
Methoxychlor	---	---	(<0.5U)
Toxaphene	---	---	(<1U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
U = Not detected. Sample quantitation limits are shown as (<____U).
Only those analytes detected in at least one of the samples, and chemicals of concern listed in the Final Long-Term Monitoring Plan (EA 1999b), are shown on this table.
Refer to data Quality Review section (Appendix B) for Method Detection Limits for referenced analytical methods.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE A-9 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM SITE 9 BETWEEN 23 OCTOBER AND 9 NOVEMBER 2001
TOTAL ORGANIC CARBON BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 415.1

			S1-QD-001
			Source Water Blank
Compound/Element	**MEG (a)**	**MCL (b)**	
Total Organic Carbon	---	---	(<1U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are milligrams per liter (mg/L).
U = Not detected. Sample quantitation limits are shown as (<____U).
Only those analytes detected in at least one of the samples, and chemicals of concern listed in the Final Long-Term Monitoring Plan (EA 1999b), are shown on this table.
Refer to data Quality Review section (Appendix B) for Method Detection Limits for referenced analytical methods.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE A-10 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM SITE 9 BETWEEN 23 OCTOBER AND 9 NOVEMBER 2001
TARGET ANALYTE LIST ELEMENTS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			EP-QS-001	S9-QD-001
			Rinsate Blank	Source Water Blank
Comp und/Element	**MEG (a)**	**MCL (b)**		
Aluminum	---	---	59.6B*	(<21.39U)
Barium	---	---	1.2B*	(<1.15U)
Beryllium	---	---	0.23B*	(<0.41U)
Calcium	---	---	8,080	7,970
Iron	---	---	(<16.46U)	17.5B*
Lead	---	---	2B*	3B*
Magnesium	---	---	1,290	1,310
Manganese	---	---	4B*	5B*
Mercury	---	---	0.06B*	0.03B*
Nickel	---	---	1.4B*	8.1B*
Potassium	---	---	823B*	810B*
Sodium	---	---	5,460	5,990
Zinc	---	---	1.2B*	3.2B*

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
U = Not detected. Sample quantitation limits are shown as (<____U).
Only those analytes detected in at least one of the samples, and chemicals of concern listed in the Final Long-Term Monitoring Plan (EA 1999b), are shown on this table.
Refer to data Quality Review section (Appendix B) for Method Detection Limits for referenced analytical methods.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

Appendix B

Field Monitoring and Sampling Forms

B.1 Field Record of Well Gauging Forms
B.2 Field Record of Well Gauging, Purging, and Sampling Forms
B.3 Field Record of Surface Water and Sediment Sampling Forms

Appendix B.1

Field Record of Well Gauging Forms

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC

FIELD RECORD OF WELL GAUGING

Project Name: BNAS LTMP Event 19 Bldg. NEX	Project No: 29600047. 1507	Date: 10/30/01
Weather/Temperature: Cool overcast		
EA Personnel: BDA	Equipment: ~~Slope~~ Oil interface probe.	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm)		Casing/Seal Condition	Protective Casing Elevation (ft MSL)	PVC Casing Elevation (ft MSL)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft MSL)
			Air Ambient	Well Mouth						
MW NASB 8	Y / Y		0	0	Good	59.22	59.22	3.48	13.15	55.74
MW NASB 9	Y / Y		0	0	Good	59.00	59.00	4.40	11.50	54.60
MW NASB 10	- No access to well -				~~Good~~	47.95	62.03		12.40	
MW NASB 23	Y / Y		0	0	Good	51.09	67.29	8.27	21.90	59.02
MW NASB 24	Y / Y		0	0	Good	51.47	65.31	6.92	13.15	58.39
MW NASB 25	Y / Y		0	0	Good	50.38	64.34	7.03	14.70	57.31
MW NASB 26	Y / Y		0	0	Good	50.79	66.61	7.98	12.55	58.63
MW NASB 225	Y / Y		0	0	Good	50.71	64.61	7.02	14.31	57.59
MW NASB 226	Y / Y		0	0	Good	51.74	62.22	5.23	12.68	56.99

NOTE: MSL = Mean sea level; PVC = Polyvinyl chloride; VOC = Volatile organic compounds.

F:\wp\29600\47\LTMP\gauge3.frm

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC

FIELD RECORD OF WELL GAUGING

Project Name: BNAS - LTMP Event 19 Site 9		Project No: 29600047.1507	Date: 10/30/01
Weather/Temperature: Cool overcast			
EA Personnel: BDA		Equipment: slope indicator	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm)		Casing/Seal Condition	Protective Casing Elevation (ft MSL)	PVC Casing Elevation (ft MSL)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft MSL)
			Air Ambient	Well Mouth						
MW-NASB-69	Y/Y	Y	0	0	GOOD		57.35	11.81	42.42	45.54
MW-NASB-70	Y/Y	Y	0	0	GOOD		58.26	12.78	27.32	45.48
MW-NASB-71	Y/Y	Y	0	0	GOOD		46.35	2.83	21.54	43.42
MW-NASB-72	Y/Y	Y	0	0	GOOD		49.81	9.60	14.63	40.21
MW-NASB-73	Y/Y	Y	0	0	GOOD		51.71	9.35	32.12	42.36
MW-NASB-74	Y/Y	Y	0	0	GOOD		51.68	10.06	27.12	41.62
MW-NASB-75	Y/Y	Y	0	0	GOOD		54.91	12.56	21.22	42.35
MW-NASB-76	Y/Y	Y	0	0	GOOD		52.79	11.67	19.94	41.12
MW-NASB 77	Y/Y	Y	0	0	GOOD		58.99	16.65	37.29	42.24
MW-NASB-78	Y/Y	Y	0	0	GOOD		53.74	11.61	14.93	42.13
MW-NASB-79	Y/Y	Y	0	0	GOOD		58.15	12.83	18.92	45.32
MW NASB-80	Y/Y	Y	0	0	GOOD		58.51	12.25	19.04	46.26
MW NASB 81	Y/Y	Y	0	0	GOOD		58.22	11.98	18.85	46.24
MW NASB 21	Y/Y	Y	0	0	GOOD		58.35	12.50	52.30	45.85
MW NASB 22	Y/Y	Y	0	0	GOOD		59.52	10.88	17.97	48.64
MW NASB 204	Y/Y	Y	0	0	GOOD		62.09	10.16	17.93	51.93
MW NASB 227	Y/Y	Y	0	0	GOOD		58.39	10.65	40.60	47.74

NOTE: MSL = Mean sea level; PVC = Polyvinyl chloride; VOC = Volatile organic compounds.

SG1B 2W2.60 WTE 39.50
SG2A ~1.75 36.16

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Appendix B.2

Field Record of Well Gauging, Purging, and Sampling Forms

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
WELL I.D.: MW-NASB-069
WELL CONDITION: good

PROJECT NUMBER: 29600.47
WELL LOCK STATUS: locked, but cap is broken
WEATHER: P. cloudy ≈ 65°F

GAUGE DATE: ~~10/22/01~~ 10/24/01
SOUNDING METHOD: elec cond
STICK UP/DOWN (ft): 2.5'

GAUGE TIME: ~~1450~~ 1340
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2"

PURGE DATE: 10/24/01
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1410
FIELD PERSONNEL: SW/JN
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 42.42
B. DEPTH TO WATER (ft): 11.73
C. LIQUID DEPTH (ft) (A-B): 30.69

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 18.56
F. THREE WELL VOLUMES (L) (E*3): 55.70

Parameter	Beginning	1	2	3	4	5
Time (min)	1410	1415	1420	1425	1428	1431
Depth to Water (ft)	11.78	11.81	11.81	11.81	11.81	11.81
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	–	0.5	1.0	1.5	1.8	2.1
pH	4.69	5.80	5.94	5.96	5.96	5.96
Temperature (°C)	15.87	15.78	15.69	15.96	16.03	16.07
Conductivity (μmhos/cm)	335	341	341	337	335	336
Dissolved Oxygen (mg/L)	0.95	0.78	0.76	0.85	0.78	0.82
Turbidity (NTU)	59	30	4	8	7	7
Eh (mv)	101	99	99	100	101	100

TOTAL QUANTITY OF WATER REMOVED (L): 3.0

SAMPLERS: SW/JN
SAMPLING TIME (START/END): 1445

SAMPLING DATE: 10/24/01
DECONTAMINATION FLUIDS USED: none

SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl/HNO3

SAMPLE BOTTLE IDs: BN-19-S9-MW069, BN-19-S9-XDUP1

SAMPLE PARAMETERS: VOC, SVOC, TAL metals

COMMENTS AND OBSERVATIONS: Site 09 DUP1 taken concurrently

Diffuser WQ - pH = 6.33 DO - 0.95
Temp - 14.30 Turb - NA
Cond - 198 EH - 85

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
WELL I.D.: MW-NASB-070
WELL CONDITION: good

PROJECT NUMBER: 29600.47
WELL LOCK STATUS: locked
WEATHER: overcast ≈ 60°F

GAUGE DATE: ~~10/23/01~~ 10/24/01
SOUNDING METHOD: elec cond
STICK UP/DOWN (ft): 2.5' stickup

GAUGE TIME: 1120
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2"

PURGE DATE: 10/24/01
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1135
FIELD PERSONNEL: SW/JN
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 27.30
B. DEPTH TO WATER (ft): 12.73
C. LIQUID DEPTH (ft) (A-B): 14.57

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 8.77
F. THREE WELL VOLUMES (L) (E*3): 26.3

Parameter	Beginning	1	2	3	4	5
Time (min)	1135	1140	1145	1150	1153	1156
Depth to Water (ft)	12.95	13.01	13.01	13.01	13.01	13.01
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	–	0.5	1.0	1.5	1.8	2.1
pH	3.86	5.40	5.57	5.64	5.65	5.65
Temperature (°C)	13.80	16.04	17.19	17.59	17.63	17.70
Conductivity (μmhos/cm)	119	98	97	100	99	100
Dissolved Oxygen (mg/L)	1.82	0.70	0.61	0.72	0.69	0.69
Turbidity (NTU)	20	12	6	5	5	4
Eh (mv)	12.96	124.9	123.6	124.4	124.7	125.3

TOTAL QUANTITY OF WATER REMOVED (L): 2.1

SAMPLERS: SW/JN
SAMPLING TIME (START/END): 1215
SAMPLING DATE: 10/24/01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl, HNO3
SAMPLE BOTTLE IDs: BN-19-S9-MW070
SAMPLE PARAMETERS: metals, SVOC, VOC
COMMENTS AND OBSERVATIONS: pH starts low, check → OK

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
WELL I.D.: MW-N/SB-071
WELL CONDITION: good

PROJECT NUMBER: 29600.47
WELL LOCK STATUS: locked
WEATHER: drizzle ≈ 55°F

GAUGE DATE: ~~10/22/01~~ 10/25/01
SOUNDING METHOD: elec cond.
STICK UP/DOWN (ft): 2.3'

GAUGE TIME: 1310
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2"

PURGE DATE: 10/25/01
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1335
FIELD PERSONNEL: SW/JW
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 21.54
B. DEPTH TO WATER (ft): 2.79
C. LIQUID DEPTH (ft) (A-B): 18.75
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 11.34
F. THREE WELL VOLUMES (L) (E*3): 34.03

Parameter	Beginning	1	2	3	4	5
Time (min)	1335	1340	1345	1350	1353	1356
Depth to Water (ft)	3.70	3.72	3.74	3.75	3.75	3.75
Purge Rate (L/min)	1.0	1.0	1.0	1.0	1.0	1.0
Volume Purged (L)	–	5.0	10	15	20	25
pH	6.15	6.26	6.29	6.31	6.30	6.30
Temperature (°C)	13.62	13.65	13.66	13.65	13.65	13.66
Conductivity (μmhos/cm)	250	234	223	215	211	209
Dissolved Oxygen (mg/L)	0.52	0.43	0.40	0.39	0.38	0.38
Turbidity (NTU)	9	15	15	16	17	15
Eh (mv)	31.4	29.0	28.5	28.6	29.0	28.6

TOTAL QUANTITY OF WATER REMOVED (L): 25L

SAMPLERS: SW/JW
SAMPLING TIME (START/END): 1405
SAMPLING DATE: 10/25/01
DECONTAMINATION FLUIDS USED: None
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BN-19-59-MW071
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS: At lowest setting, pump rate is ≈ 1.0 L/min
Diffusion WQ: pH – 6.83 DO – 0.23
Temp – 12.92 Turb – NA
Cond – 5.89 Eh – 46

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW NASB 72
WELL CONDITION: OK

PROJECT NUMBER: 29600.47
WELL LOCK STATUS: OK-Locked
WEATHER: cloudy, calm

GAUGE DATE: 10/26/01
SOUNDING METHOD: GAUGING METER
STICK UP/DOWN (ft):

GAUGE TIME: 1100
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2"

PURGE DATE: 10/26/01
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: – End: –

PURGE TIME: 1118
FIELD PERSONNEL: BA/MAC
WELL MOUTH VOCs (ppm): Start: – End: –

WELL VOLUME

A. WELL DEPTH (ft):
B. DEPTH TO WATER (ft): 9.56
C. LIQUID DEPTH (ft) (A-B):

D. WELL VOLUME/FT (L):
E. WELL VOLUME (L) (C*D):
F. THREE WELL VOLUMES (L) (E*3):

D: Hoser
WQ

Parameter	Beginning	1	2	3	4	5
Time (min)	1113	1120	1125	1130	1135	1140
Depth to Water (ft)	9.56	9.69	9.72	9.75	9.71	9.71
Purge Rate (L/min)	NA	.2	.2	.2	.2	.2
Volume Purged (L)	NA		1.0	2.0	3.0	4.0
pH	6.56	2.80	5.33	5.84	6.04	6.07
Temperature (°C)	11.17	12.85	13.56	15.10	15.67	15.83
Conductivity (μmhos/cm)	179	172	185	191	192	190
Dissolved Oxygen (mg/L)	2.41	2.51	1.21	0.83	0.75	0.71
Turbidity (NTU)		118	3	9	3.5	2
~~Eh (mv)~~ ORP	-27	196	166	155	152	149

TOTAL QUANTITY OF WATER REMOVED (L): 6.0

SAMPLERS: MAC/BA
SAMPLING TIME (START/END): 1150
SAMPLING DATE: 10/26/01
DECONTAMINATION FLUIDS USED: DI
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: ~~MW~~ BN-19-S9-DS72S, BN-19-S9-DS72D, BN-19-S9-MW72
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:
Diffusers Shallow @ 1105
Deep @ 1109

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: Site 9	Project No.: 29600.47	Date: 10/26/01
Well ID: MW NASB 72	Field Personnel: BA/MAC	

Parameter	6	7	8	9	10	11
Time (min.)	1143	1146	1149			
Depth to Water (ft)	9.72	9.72	9.72			
Purge Rate (L/min)	.2	.2	.2			
Volume Purged (L)	4.6	5.2	5.8			
pH	6.09	6.09	6.10			
Temperature (°C)	15.99	16.10	16.14			
Conductivity (μmhos/cm)	187	181	181			
Dissolved Oxygen (mg/L)	0.70	0.64	0.62			
Turbidity (NTU)	2	2	1			
Eh (mv)	146	142	140			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS Began sampling @ 1155

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: S.T. 09
WELL I.D.: MW-NASB-074
WELL CONDITION: good
PROJECT NUMBER: 29600.47
WELL LOCK STATUS: locked
WEATHER: Sunny ~50°F

GAUGE DATE: 10/26/01
SOUNDING METHOD: Elec. Cond
STICK UP/DOWN (ft): 2.5
GAUGE TIME: 1050
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2"

PURGE DATE: 10/26/01
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
PURGE TIME: 1055
FIELD PERSONNEL: SW/JN
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 27.19
B. DEPTH TO WATER (ft): 10.12
C. LIQUID DEPTH (ft) (A-B): 17.07
D. WELL VOLUME/FT (L): .605
E. WELL VOLUME (L) (C*D): 10.32
F. THREE WELL VOLUMES (L) (E*3): 30.98

Parameter	Beginning	1	2	3	4	5
Time (min)	1055	1100	1105	1110	1115	1120
Depth to Water (ft)	10.43	10.42	10.42	10.42	~~14.75~~ 10.42	10.42
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	-	0.5	1.0	1.5	2.0	2.5
pH	5.16	6.01	6.27	6.28	6.28	6.28
Temperature (°C)	12.03	13.68	14.55	14.57	14.75	14.92
Conductivity (μmhos/cm)	264	268	260	262	262	263
Dissolved Oxygen (mg/L)	1.26	0.66	0.54	0.59	0.50	0.49
Turbidity (NTU)	904	495	135	56	7	1
Eh (mv)	59.4	55.3	54.9	58.0	60.5	61.6

TOTAL QUANTITY OF WATER REMOVED (L): 11

SAMPLERS: SW/JN
SAMPLING TIME (START/END): 1140
SAMPLING DATE: 10/26/01
DECONTAMINATION FLUIDS USED: None
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BW-19-S9-MW074
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS: Reddish flocll material observed in flow cell, probably Fe
Diffusion WQ - pH - 6.51 DO - 0.57
Temp - 10.77 Turb - NA
Cond - 257 EH - -63

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: S.7c 09	Project No.: 29600.97	Date: 10/26/05
Well ID: MW-NASB-07Y	Field Personnel: SW/JN	

Parameter	6	7	8	9	10	11
Time (min.)	1125	1128	1131			
Depth to Water (ft)	10.42	10.42	10.42			
Purge Rate (L/min)	0.1	0.1	0.1			
Volume Purged (L)	3.0	3.3	3.6			
pH	6.28	6.29	6.28			
Temperature (°C)	15.22	15.30	15.35			
Conductivity (μmhos/cm)	261	260	261			
Dissolved Oxygen (mg/L)	0.50	0.51	0.50			
Turbidity (NTU)	2	1	1			
Eh (mv)	61.0	60.6	61.2			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
PROJECT NUMBER: 29600.47
WELL I.D.: MW-NASB-075
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: P sunny ≈ 45°F

GAUGE DATE: 10/26/01
GAUGE TIME: 0930
SOUNDING METHOD: elec. cond.
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.5'
WELL DIAMETER (in.): 2"

PURGE DATE: 10/26/01
PURGE TIME: 0940
PURGE METHOD: low flow
FIELD PERSONNEL: SW/JN
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 21.22
B. DEPTH TO WATER (ft): 14.00
C. LIQUID DEPTH (ft) (A-B): 7.22
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 4.36
F. THREE WELL VOLUMES (L) (E*3): 13.10

Parameter	Beginning	1	2	3	4	5
Time (min)	0940	0945	0950	0955	1000	1005
Depth to Water (ft)	14.10	14.02	13.92	13.90	213.89	13.89
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	–	0.5	1.0	1.5	2.0	2.5
pH	5.29	5.88	5.89	5.91	5.90	5.93
Temperature (°C)	17.55	18.99	19.83	21.04	22.30	22.98
Conductivity (μmhos/cm)	296	301	303	311	317	324
Dissolved Oxygen (mg/L)	3.45	1.37	1.20	1.15	0.98	0.93
Turbidity (NTU)	9	8	8	5	8	6
Eh (mv)	124.4	126.1	128.1	128.5	129.9	128.7

TOTAL QUANTITY OF WATER REMOVED (L): 3.6

SAMPLERS: SW/JN
SAMPLING TIME (START/END): 1025
SAMPLING DATE: 10/26/01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BN-19-59-MW075
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS: Pump stops after ≈ 10 min + must be reset in order to restart flow.

Diffusion WQ pH – 6.07 DO – 1.26
Temp – 12.94 Turb – NA
Cond. 265 EH – -92

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: Site 09	Project No.: 29400.47	Date: 10/26/01
Well ID: MW-NASB-075	Field Personnel:	

Parameter	6	7	8	9	10	11
Time (min.)	1010	1013	1016			
Depth to Water (ft)	13.89	13.89	13.8			
Purge Rate (L/min)	0.1	0.1	0.1			
Volume Purged (L)	3.0	~~3.5~~ ~~3.6~~ 3.3	~~4.0~~ 3.6			
pH	5.90	5.89	5.90			
Temperature (°C)	21.29	22.33	22.52			
Conductivity (μmhos/cm)	312	317	318			
Dissolved Oxygen (mg/L)	0.94	0.96	0.98			
Turbidity (NTU)	6	5	6			
Eh (mv)	130.0	130.9	129.5			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
PROJECT NUMBER: 29600.97
WELL I.D.: MW-NAS-076
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: fog ≈55°F

GAUGE DATE: ~~10/25/01~~ 10/25/01
GAUGE TIME: ~~1500~~ 1435
SOUNDING METHOD: elec. cond
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.5
WELL DIAMETER (in.): 2"

PURGE DATE: 10/25/01
PURGE TIME: 1440
PURGE METHOD: low flow
FIELD PERSONNEL: SW/JW
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 19.94
B. DEPTH TO WATER (ft): 11.64
C. LIQUID DEPTH (ft) (A-B): 8.3
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 5.02
F. THREE WELL VOLUMES (L) (E*3): 15.06

Parameter	Beginning	1	2	3	4	5
Time (min)	1440	1445	1450	1455	1500	1505
Depth to Water (ft)	11.74	11.77	11.78	11.79	11.79	11.79
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	-	0.5	1.0	1.5	2.0	2.5
pH	5.67	6.13	6.17	6.18	6.18	6.20
Temperature (°C)	14.95	17.10	17.40	17.35	17.24	17.26
Conductivity (μmhos/cm)	221	241	230	233	233	235
Dissolved Oxygen (mg/L)	1.39	1.07	0.99	0.94	0.91	0.88
Turbidity (NTU)	13	15	7	8	16	19
Eh (mv)	104.2	100.0	101.6	103.6	105.1	105.9

TOTAL QUANTITY OF WATER REMOVED (L): 3.4

SAMPLERS: SW/JW
SAMPLING TIME (START/END): 1520
SAMPLING DATE: 10/25/01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BN-19-S9-MW076 BN-19-S9-XD2
SAMPLE PARAMETERS: VOC by 8260B Modified SIM vinylchloride only.

COMMENTS AND OBSERVATIONS:

Diffusion WQ - pH - 6.47 DO - 1.23
Cond - 486 Turb - NA
Temp - 13.01 EH - -16

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: Site 09	Project No.: 2960097	Date: 10/25/01
Well ID: MW-NASB-07G	Field Personnel: SW/JW	

Parameter	6	7	8	9	10	11
Time (min.)	1508	1511	1514			
Depth to Water (ft)	11.79	11.79	11.79			
Purge Rate (L/min)	0.1	0.1	0.1			
Volume Purged (L)	2.8	3.1	3.4			
pH	6.19	6.20	6.20			
Temperature (°C)	17.26	17.25	17.24			
Conductivity (μmhos/cm)	234	236	235			
Dissolved Oxygen (mg/L)	0.86	0.84	0.83			
Turbidity (NTU)	12	10	10			
Eh (mv)	106.1	106.6	106.7			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME:	Site 09	PROJECT NUMBER:	29600.47
WELL I.D.:	MW-NASB-079	WELL LOCK STATUS:	locked
WELL CONDITION:	good	WEATHER:	65°F P. cloudy
GAUGE DATE:	~~10/22/01~~ 10/25/01	GAUGE TIME:	~~1482~~ 1230
SOUNDING METHOD:	elec. cond	MEASUREMENT REF:	TOC
STICK UP/DOWN (ft):	2.5'	WELL DIAMETER (in.):	2"
PURGE DATE:	10/24/01	PURGE TIME:	1245
PURGE METHOD:	low flow	FIELD PERSONNEL:	SW/JN
AMBIENT AIR VOCs (ppm)	Start: 0 End: 0	WELL MOUTH VOCs (ppm):	Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft):	19.00	D. WELL VOLUME/FT (L):	0.605
B. DEPTH TO WATER (ft):	12.74	E. WELL VOLUME (L) (C*D):	3.78
C. LIQUID DEPTH (ft) (A-B):	~~16.26~~ 6.26	F. THREE WELL VOLUMES (L) (E*3):	11.36

Parameter	Beginning	1	2	3	4	5
Time (min)	1245	1250	1255	1300	1305	1306
Depth to Water (ft)	12.85	~~12.16~~ 12.84	12.85	12.85	12.85	12.85
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	–	0.5	1.0	1.5	1.8	2.1
pH	6.48	6.72	6.81	6.85	6.86	6.87
Temperature (°C)	16.62	19.16	20.34	20.66	20.71	20.80
Conductivity (μmhos/cm)	292	299	~~60~~ 297	299	297	300
Dissolved Oxygen (mg/L)	1.27	0.51	0.48	0.40	0.36	0.36
Turbidity (NTU)	236	104	60	8	10	10
Eh (mv)	-10.9	-37.7	-59.0	-59.0	-61.0	-59.6

TOTAL QUANTITY OF WATER REMOVED (L): 2.1

SAMPLERS:	SW/JN	SAMPLING TIME (START/END):	1315
SAMPLING DATE:	10/24/01	DECONTAMINATION FLUIDS USED:	none
SAMPLE TYPE:	grab	SAMPLE PRESERVATIVES:	~~HCl~~, HNO_3
SAMPLE BOTTLE IDs:	BN-19-59-MW079		
SAMPLE PARAMETERS:	~~VOC~~, SVOC, Metals		

COMMENTS AND OBSERVATIONS:

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
WELL I.D.: MW-NASB-080
WELL CONDITION: good

PROJECT NUMBER: 29661.47
WELL LOCK STATUS: locked
WEATHER: Fog 56°F

GAUGE DATE: ~~10/24/01~~ 10/25/01
SOUNDING METHOD: elec. cond.
STICK UP/DOWN (ft): 2.5'

GAUGE TIME: 1040
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2"

PURGE DATE: 10/25/01
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1055
FIELD PERSONNEL: SW/JN
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 19.04
B. DEPTH TO WATER (ft): 12.18
C. LIQUID DEPTH (ft) (A-B): 6.86
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 4.15
F. THREE WELL VOLUMES (L) (E*3): 12.45

Parameter	Beginning	1	2	3	4	5
Time (min)	~~1050~~ 1055	1100	1115	1120	1125	1130
Depth to Water (ft)	12.31	(A)	12.46	12.55	12.57	12.58
Purge Rate (L/min)	0.1		0.1	0.1	0.1	0.1
Volume Purged (L)	–		≈2.0	2.5	3.0	3.5
pH	4.36		6.38	6.47	6.53	6.58
Temperature (°C)	19.76		19.34	19.89	21.25	22.38
Conductivity (μmhos/cm)	364		378	383	397	389
Dissolved Oxygen (mg/L)	1.90		1.81	1.45	1.07	1.09
Turbidity (NTU)	118		25	15	23	35
Eh (mv)	5.4		-10.0	-13.9	-19.7	-25.0

TOTAL QUANTITY OF WATER REMOVED (L): 4.6

SAMPLERS: SW/JN
SAMPLING TIME (START/END): 1145
SAMPLING DATE: 10/25/01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BN-19-S9-MW080
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS: (A) H_2O level was initially at/below pump intake, pump lowered ≈6" to allow pump flow. Lowered again 1'. 1.5' lower than original water level depth. Top of pump ≈ 14.66 below TOC

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: S.Yc 09	Project No.: 29600.47	Date: 10/25/01
Well ID: MW-NASD-04D	Field Personnel: SLV/JM	

Parameter	6	7	8	9	10	11
Time (min.)	1135	1136	1141			
Depth to Water (ft)	12.58	12.58	12.58			
Purge Rate (L/min)	0.1	0.1	0.1			
Volume Purged (L)	4.0	4.3	4.6			
pH	6.58	6.57	6.60			
Temperature (°C)	22.33	22.38	22.40			
Conductivity (μmhos/cm)	369	368	390			
Dissolved Oxygen (mg/L)	1.05	1.09	1.06			
Turbidity (NTU)	17	17	17			
Eh (mv)	17-25.3	-24.8	-24.9			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
PROJECT NUMBER: 29600.47
WELL I.D.: MW-NASB-021
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: overcast ≈55°F

GAUGE DATE: ~~10/22/01~~ 10/25/01
GAUGE TIME: 0945
SOUNDING METHOD: elec cond
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.5'
WELL DIAMETER (in.): 2"

PURGE DATE: 10/25/01
PURGE TIME: 0950
PURGE METHOD: low flow
FIELD PERSONNEL: SW/JN
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft):
B. DEPTH TO WATER (ft): 12.47
C. LIQUID DEPTH (ft) (A-B):
D. WELL VOLUME/FT (L):
E. WELL VOLUME (L) (C*D):
F. THREE WELL VOLUMES (L) (E*3):

Parameter	Beginning	1	2	3	4	5
Time (min)	0950	0955	1000	1005	1010	1015
Depth to Water (ft)	12.81	12.80	12.76	12.74	12.73	12.72
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	-	0.5	1.0	1.5	2.0	2.5
pH	4.86	5.69	5.86	5.98	6.02	6.02
Temperature (°C)	14.47	15.10	15.67	16.11	16.33	16.43
Conductivity (μmhos/cm)	254	252	250	246	245	245
Dissolved Oxygen (mg/L)	1.13	1.54	1.42	0.71	0.56	0.74
Turbidity (NTU)	176	144	131	16	18	19
Eh (mv)	164.8	144.0	131.5	119.9	114.9	112.5

TOTAL QUANTITY OF WATER REMOVED (L): 36 L

SAMPLERS: SW/JN
SAMPLING TIME (START/END): 1035
SAMPLING DATE: 10/25/01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BN-19-S9-MW021
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

Diffusion WQ - pH - 6.12 DO - 1.66
Temp - 15.72 Turb - NA
Cond - 195 EH - 224

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: Site 09	Project No.: 29600.47	Date: 10/25/01
Well ID: MW-NASB-02.1	Field Personnel: SW/JW	

Parameter	6	7	8	9	10	11
Time (min.)	1020	1023	1026			
Depth to Water (ft)	12.71	12.71	12.71			
Purge Rate (L/min)	0.1	0.1	0.1			
Volume Purged (L)	3.0	3.3	3.6			
pH	6.04	6.04	6.04			
Temperature (°C)	16.70	16.72	16.64			
Conductivity (μmhos/cm)	252	251	250			
Dissolved Oxygen (mg/L)	0.64	0.66	0.65			
Turbidity (NTU)	18	19	17			
Eh (mv)	105	102	104			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME:	Site 9	PROJECT NUMBER:	29600.47 1507
WELL I.D.:	BN-NAB-22	WELL LOCK STATUS:	Good
WELL CONDITION:	Good	WEATHER:	overcast with some sun
GAUGE DATE:	10/26/01	GAUGE TIME:	0945
SOUNDING METHOD:	water level meter	MEASUREMENT REF:	TOC
STICK UP/DOWN (ft):		WELL DIAMETER (in.):	2
PURGE DATE:	10/26/01	PURGE TIME:	0955
PURGE METHOD:	Low Flow	FIELD PERSONNEL:	MAC, BA
AMBIENT AIR VOCs (ppm)	Start: ____ End: ____	WELL MOUTH VOCs (ppm):	Start: ____ End: ____

WELL VOLUME

A. WELL DEPTH (ft):		D. WELL VOLUME/FT (L):	
B. DEPTH TO WATER (ft):	10.54	E. WELL VOLUME (L) (C*D):	
C. LIQUID DEPTH (ft) (A-B):		F. THREE WELL VOLUMES (L) (E*3):	

Diffuser

Parameter	Beginning	1	2	3	4	5
Time (min)	0945 0955	1000	1005	1010	1015	
Depth to Water (ft)	10.54	11.07	11.00	10.98	10.98	10.98
Purge Rate (L/min)	NA	.2	.2	.2	.2	.2
Volume Purged (L)	NA		1.0	2.0	3.0	4.0
pH	6.29	4.82	2.39	2.55	5.22	3.75 *
Temperature (°C)	13.60	13.74	14.67	15.19	15.72	16.87
Conductivity (μmhos/cm)	BF ~~324~~ 252	273	265	265	316	~~187~~ MK 335
Dissolved Oxygen (mg/L)	4.70	4.86	3.05	2.40	2.76	2.70
Turbidity (NTU)	–	4	5	3	3	3
~~Eh (mv)~~ ORP	-41	199	192	192	184	187

TOTAL QUANTITY OF WATER REMOVED (L): ____

SAMPLERS:	MAC, BA	SAMPLING TIME (START/END):	
SAMPLING DATE:	10/26/01	DECONTAMINATION FLUIDS USED:	
SAMPLE TYPE:	Grab	SAMPLE PRESERVATIVES:	
SAMPLE BOTTLE IDs:	BN-19-S9-MW22		
SAMPLE PARAMETERS:	VOC		

COMMENTS AND OBSERVATIONS: 252 166.27

Diffuser Collected BN-19-S9-DS22S @ 0920 * meter shuts off at 5 min

DS22M @ 0922 requires pH to adjust correct

DS22B @ 0925 switch to 10 min on meter

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: Site 9	Project No.: 29600.47	Date: 10/26/01
Well ID: MW NASB-22	Field Personnel: BA/MAC	

Parameter	6	7	8	9	10	11
Time (min.)	1020	1023	1026	1029	1032	1036
Depth to Water (ft)	10.97	10.98	10.98	10.98	10.95	10.95
Purge Rate (L/min)	.2	.2	.2	.2	.2	.2
Volume Purged (L)	5.0	~~6.0~~ 5.6	~~7.0~~ 6.2	6.8	7.4	8.0
pH	5.40	5.64	3.97	5.26	5.61	5.81
Temperature (°C)	17.31	17.49	17.37	17.30	17.25	17.77
Conductivity (μmhos/cm)	316	349	333	350	340	357
Dissolved Oxygen (mg/L)	2.58	2.47	2.72	2.80	2.87	2.70
Turbidity (NTU)	3	2	2	2	2	2
~~Eh (mv)~~ ORP	180	179	186	181	179	177

Parameter	12	13	14	15	16	17
Time (min)	1039	1042				
Depth to Water (ft)	10.98	10.98				
Purge Rate (L/min)	.2	.2				
Volume Purged (L)	8.6	9.2				
pH	5.88	5.91				
Temperature (°C)	17.94	17.70				
Conductivity (μmhos/cm)	346	369				
Dissolved Oxygen (mg/L)	2.69	2.94				
Turbidity (NTU)	1	1				
Eh (mv)	177	175				

COMMENTS AND OBSERVATIONS Sample time 1045

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 09
PROJECT NUMBER: 29600.47
WELL I.D.: MW-NASB-227
WELL LOCK STATUS: good
WELL CONDITION: good
WEATHER: fog ≈60°F

GAUGE DATE: ~~10/23/01~~ 10/24/01
GAUGE TIME: 1430
SOUNDING METHOD: elec cond
MEASUREMENT REF: ~~TO POC~~ TOC
STICK UP/DOWN (ft): ≈2.5'
WELL DIAMETER (in.): 2

PURGE DATE: 10/24/01
PURGE TIME: ~~0945~~ 0935
PURGE METHOD: low flow
FIELD PERSONNEL: SW/JN
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 39.98
B. DEPTH TO WATER (ft): 10.59
C. LIQUID DEPTH (ft) (A-B): 29.39
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 17.78
F. THREE WELL VOLUMES (L) (E*3): 53.34

Parameter	Beginning	1	2	3	4	5
Time (min)	0945	0950	0955	1000	1005	1010
Depth to Water (ft)	10.67	10.66	10.68	10.69	10.69	10.70
Purge Rate (L/min)	0.2	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	–	1.0	2.0	3.0	4.0	5.0
pH	3.65	5.34	5.68	5.82	5.85	5.87
Temperature (°C)	13.40	13.51	14.01	14.64	14.92	15.04
Conductivity (μmhos/cm)	~~23~~250	257	249	242	245	250
Dissolved Oxygen (mg/L)	1.00	0.87	0.83	0.77	0.69	0.66
Turbidity (NTU)	~~4~~393	379	32	1.5	2	2
Eh (mv)	117.9	117.1	114.5	113.6	113.9	113.9

TOTAL QUANTITY OF WATER REMOVED (L): 7.2

SAMPLERS: SW/JN
SAMPLING TIME (START/END): ~~0919~~ 1035
SAMPLING DATE: 10/24/01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: grab
SAMPLE PRESERVATIVES: HCl
SAMPLE BOTTLE IDs: BN-19-59-MW227
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS: pH slow to adjust

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING (OVERFLOW PAGE)

Site Name: Site 09	Project No.: 29600.97	Date: 10/24/01
Well ID: MW-NAGB-227	Field Personnel: SW/JN	

Parameter	6	7	8	9	10	11
Time (min.)	1015	1018	1021			
Depth to Water (ft)	10.71	10.71	10.71			
Purge Rate (L/min)	0.2	0.2	0.2			
Volume Purged (L)	6.0	6.6	7.2			
pH	5.89	5.90	5.90			
Temperature (°C)	15.16	15.21	15.23			
Conductivity (μmhos/cm)	249	250	250			
Dissolved Oxygen (mg/L)	0.61	0.59	0.56			
Turbidity (NTU)	3	3	3			
Eh (mv)	113.6	113.7	113.5			

Parameter	12	13	14	15	16	17
Time (min)						
Depth to Water (ft)						
Purge Rate (L/min)						
Volume Purged (L)						
pH						
Temperature (°C)						
Conductivity (μmhos/cm)						
Dissolved Oxygen (mg/L)						
Turbidity (NTU)						
Eh (mv)						

COMMENTS AND OBSERVATIONS _____

Appendix B.3

Field Record of Surface Water and Sediment Sampling Forms

EA Engineering Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project: LTMP EVENT A			Site: 9
Project Number: 29600.47.1507			Date: 11/9/01
Sample Location ID: BN-19-S9-LT901			Sample Team Members: MAC
Time: 1330	Start: 1330	End: 1340	Signature of Sampler: Mark A Co

SURFACE WATER INFORMATION

Seep

Water Depth and Sample Location ____ (ft)

Depth of Sample from Top of Water ∅ (ft)

Type of Surface Water:
( ) Stream ( ) River
( ) Pond/Lake (✓) Seep

Equipment Used for Collection:
(✓) None, Grab into Bottle
( ) Bomb Sampler
( ) Pump ____

Decontamination Fluids Used:
( ) Isopropyl Alcohol
( ) ASTM Type II Water
( ) Deionized Water
( ) Liquinox Solution
( ) Hexane
( ) HNO_3 Solution
( ) Potable Water
(✓) None

Velocity Measurements Obtained? (✓) No ( ) Yes, See Flow Measurement Data Record ____

Temperature ____ Degree C. Specific Conductivity ____ µmhos/cm pH ____ Units Dissolved Oxygen ____ ppm

Field QC Data: (✓) Field Duplicate Collected
Duplicate ID ____
BN-A-S9-LTXD1

Sample Location Sketch:
( ) Yes
(✓) No

Method Used:
( ) Winkler
( ) Probe

SEDIMENT INFORMATION

Type of Sample Collected:
( ) Discrete
( ) Composite

Sediment Type:
( ) Clay
( ) Sand
( ) Organic
( ) Gravel

Equipment Used for Collection:
( ) Gravity Corer
( ) Stainless Steel Split Spoon
( ) Dredge
( ) Hand Spoon/Trowel
( ) Aluminum Pans
( ) Stainless Steel Bucket
( ) ____

Decontamination Fluids Used:
( ) Isopropyl Alcohol
( ) ASTM Type II Water
( ) Deionized Water
( ) Liquinox Solution
( ) Hexane
( ) HNO_3 Solution
( ) Potable Water
( ) None

Sample Observations:
( ) Odor ____
( ) Color ____
( ) ____

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID ____

SAMPLES COLLECTED

Check if Required at this Location	Matrix: Surface Water	Matrix: Sediment	Check if Preserved with Acid/Base	Volume Required	Check if Sample Collected	Sample Bottle IDs
✓	✓		✓	120ml	✓	BN-19-S9-LT901
✓	✓		✓	120ml	✓	BN-19-S9-LTXD1

NOTES/SKETCH

Insufficient water available to get WQ data

EA Engineering Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project: LTMP Event 19			Site: 9
Project Number: 29600.47.1507			Date: 11/9/01
Sample Location ID: BN-19-59-SW010			Sample Team Members: Mark Carver
Time: 1245	Start: 1300	End: 1325	Signature of Sampler: Mark A Co

SURFACE WATER INFORMATION

Water Depth and Sample Location 5 (ft)

Depth of Sample from Top of Water 0 (ft)

Type of Surface Water:
(✓) Stream ( ) River
( ) Pond/Lake ( ) Seep

Equipment Used for Collection:
(✓) None, Grab into Bottle
( ) Bomb Sampler
( ) Pump _____

Decontamination Fluids Used:
( ) Isopropyl Alcohol
( ) ASTM Type II Water
( ) Deionized Water
( ) Liquinox Solution
( ) Hexane
( ) HNO_3 Solution
( ) Potable Water
(✓) None

Velocity Measurements Obtained? (✓) No ( ) Yes, See Flow Measurement Data Record Est 1 fps

Temperature 9.72 Degree C. Specific Conductivity 178 µmhos/cm pH 6.34 Units Dissolved Oxygen 8.89 ppm

Field QC Data: (✓) Field Duplicate Collected Duplicate ID DO
BN-19-59-SW010 MS/MSD

Sample Location Sketch:
( ) Yes
(✓) No

Method Used:
( ) Winkler
(✓) Probe

SEDIMENT INFORMATION

Type of Sample Collected:
(✓) Discrete
( ) Composite

Sediment Type:
( ) Clay
(✓) Sand
( ) Organic
( ) Gravel

Equipment Used for Collection:
( ) Gravity Corer
( ) Stainless Steel Split Spoon
( ) Dredge
( ) Hand Spoon/Trowel
( ) Aluminum Pans
( ) Stainless Steel Bucket
( ) _____
Encore Sampler

Decontamination Fluids Used:
(✓) Isopropyl Alcohol
( ) ASTM Type II Water
(✓) Deionized Water
(✓) Liquinox Solution Alconox
( ) Hexane
( ) HNO_3 Solution
( ) Potable Water
( ) None

Sample Observations:
(✓) Odor Slight organic decay
(✓) Color LT. TAN
( ) _____

Field QC Data: (✓) Field Duplicate Collected Duplicate ID BN-19-59-SDXD1

SAMPLES COLLECTED

Check if Required at this Location	Matrix: Surface Water	Matrix: Sediment	Check if Preserved with Acid/Base	Volume Required	Check if Sample Collected	Sample Bottle IDs
✓	✓		✓	120 ml	✓	BN-19-59-SW010
✓		✓	✓	180 ml	✓	BN-19-59-SD010

NOTES/SKETCH

Appendix C

Analytical Data Quality Review

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APPENDIX C
ANALYTICAL DATA QUALITY REVIEW

C.1 INTRODUCTION

This project utilized both field and analytical laboratory quality control measures to ensure that the data quality objectives presented in the project-specific Final Quality Assurance Project Plan (QAPP) (EA 1999)[1] were met.

The sampling program consisted of 45 aqueous samples of ground water, surface water, diffusion, and leachate seep (of which 6 were field duplicates), and 2 sediment samples (of which 1 was a field duplicate) collected from Site 9. The laboratory was provided with 1 sediment and 4 aqueous sample delivery groups (SDGs) that included 9 aqueous quality control samples (3 trip blanks, 4 rinsate blanks, and 2 source water blanks). Sample duplicates, rinsate blanks, and trip blanks were collected at the frequency required by the QAPP.

Analytical quality control was reviewed for compliance against data quality objectives for precision and accuracy for each sample and analysis type, including field quality control blanks (i.e., trip blanks) and field sample duplication. Analytical precision was based upon the mean relative percent difference (RPD) of the matrix spike/matrix spike duplicate (MS/MSD) for organic analysis and the RPD of the laboratory duplicates for inorganic analysis. Accuracy was based upon the reported spike recoveries for the laboratory control standards (LCS), MS/MSD and system monitoring compound (SMC) recoveries (for organic analysis), and LCS and MS recoveries (for inorganic analysis).

The ability of the laboratory to extract compounds is confirmed by the LCS recoveries. MS/MSD and SMC recoveries measure the effect of the sample matrix on sample preparation and measurement methodology. During the MS/MSD process, known quantities of target compounds are spiked into the sample matrix for the MS/MSD, and recoveries are used to measure potential bias due to matrix effects. SMCs, which are structurally similar to the targeted analytes, are used to evaluate the recovery of the target compounds, which are then used as indicators for all of the analytes. The accuracy of the LCS spike recoveries is used in conjunction with the MS/MSD when evaluating organic analyses.

Field completeness was quantified by comparing the number of samples specified in the Final Long-Term Monitoring Plan (EA 1999) to the number of samples actually collected during Monitoring Event 19. Data completeness was quantified by reviewing the number of usable results to the number of results reported.

1. EA Engineering, Science, and Technology. 1999. Final Long-Term Monitoring Plan (including Quality Assurance Project Plan), Site 9 (Neptune Drive Disposal Site), Naval Air Station, Brunswick. August.

For clarity, the following definitions are given for use throughout Appendix C:

- ***Instrument Detection Limit (IDL)***—Defined as the lowest concentration level that can be determined to be statistically different from instrument background noise (instrument blank).

- ***Method Detection Limit***—Refers to the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero and is determined from analysis of a sample for a given matrix. The method detection limits for sediment and aqueous media are summarized in Appendix C.1.

- ***Contract Required Detection Limit/Contract Required Quantitation Limit (CRDL/CRQL)***—Refers to the minimum level of detection acceptable under the contract Statement of Work in order to ensure regulatory compliance. This terminology is widely accepted in the industry as defined by the U.S. Environmental Protection Agency (EPA) contract laboratory protocols and is a standard list of inorganic analyte concentrations and organic compound concentrations on which laboratory flags and data validation qualifiers are based. These published concentrations are meant to be above the laboratory IDL in order to ensure a level of confidence. The published CRDLs/CRQLs are specific to the Contract Laboratory Program methodology but are often used throughout industry methods. The data user should be aware that stated CRDLs/CRQLs are generic for a method and are affected for each sample by sample size, concentration, percent solids, and dilution factors.

- ***Practical Quantitation Limit***—Defined as the lowest level that can be reasonably achieved within specified units of precision and accuracy during routine laboratory operating conditions.

C.1.1 Precision

Precision is evaluated by comparing the RPD of the MS/MSD sample pairs to the laboratory-established RPD control limits. If the RPD is outside the quality control acceptance criteria, the positive detect or non-detect is estimated for the affected compound in the unspiked sample (U.S. EPA 1996)[2].

C.1.2 Accuracy

Accuracy is evaluated by comparing MS/MSD recoveries, surrogate spike recoveries, and LCS recoveries to laboratory-established control limits.

2. U.S. Environmental Protection Agency (U.S. EPA)–New England. 1996. Data Validation Functional Guidelines for Evaluating Environmental Analyses. Revised December.

C.1.2.1 Evaluating Matrix Spike/Matrix Spike Duplicate Recoveries for Accuracy

Generally, no action is taken based on the MS/MSD data alone to qualify an entire SDG. The qualification is limited to the unspiked sample associated with the MS/MSD. However, professional judgement may be used to qualify samples across a particular SDG (i.e., all associated samples).

- If the spike recovery is greater than the upper control limit, then the positive detects are estimated and the non-detects are not affected for the affected compounds in the unspiked sample.

- If the spike recovery is greater than or equal to 10 percent but less than the lower control limit, then the positive detects are estimated and the non-detects are estimated for the affected compounds in the unspiked sample.

- If the spike recovery is less than 10 percent, then the positive detects are estimated and the non-detects are rejected for the affected compounds in the unspiked sample.

C.1.2.2 Evaluating Surrogate Recoveries for Accuracy

- If the surrogate recovery is greater than the upper limit, the positive detects are estimated and the non-detects are not affected (U.S. EPA 1996).

- If the surrogate recovery is greater than or equal to 10 percent but less than the lower control limit, then the positive detects are estimated and the non-detects are estimated.

- If the surrogate recovery is less than 10 percent, then the positive detects are estimated and the non-detects are rejected.

  NOTE: If a sample has more than one surrogate recovery out of the control limits and the laboratory fails to re-analyze the sample which is outside the control limits, then the sample data should be qualified according to the above-mentioned guidelines for surrogate recoveries. If the sample was re-analyzed and the same surrogate recovery problems exist, this confirms that the non-compliance was due to sample matrix effects rather than poor laboratory performance and no qualification is needed for the sample.

C.1.2.3 Evaluating Laboratory Control Sample Recoveries for Accuracy

- If the LCS recovery is greater than the upper control limit, the positive detects are estimated and the non-detects are not affected (U.S. EPA 1996).

- If the LCS recovery is greater than or equal to 10 percent but less than the lower control limit, the positive detects are estimated and the non-detects are estimated.

- If the LCS recovery is less than 10 percent, the positive detects are estimated and the non-detects are rejected.

The following table summarizes the findings for the data quality review performed and presented in detail in this appendix:

Data Quality Review		Holding Time	Field Method Blank[a] Cont.	Precision		Accuracy			Completeness	
				Laboratory	Field	SMC	MS/MSD	LCS	Analytical	Field
Aqueous Matrix	VOC	✓	✓B	✓J	✓J	✓	✓J	✓J	100%✓	100%✓
	Metals	✓	✓	✓	✓J	NA	✓J	✓	100%✓	100%✓
	SVOC	✓	✓	✓	✓	✓	R	R	98%✓	100%✓
Sediment Matrix	VOC	✓	✓	✓	✓J	✓	✓J	✓	100%✓	100%✓

(a) Field, source, trip, and rinsate blanks.

NOTE: VOC = Volatile organic compound.
✓ = The data are usable as reported based on the data quality review of this quality measurement.
✓B = The data have been affected by field blank/laboratory contamination; false-positives may exist.
✓J = The data are usable, however, some analyte concentrations should be considered estimates of the true concentrations.
R = Rejected data.
NA = The quality measurement does not apply to this matrix or analytical methodology.
SVOC = Semivolatile organic compound.

All volatile organic compound (VOC), metals, and semivolatile organic compound (SVOC) data for Site 9 are usable as reported based on the accuracy and precision review provided herein, with the exception of dimethylphthalate and hexachlorocyclopentadiene. SVOC results were rejected based on accuracy criteria (discussed in Section C.4.3). Minor sample biases are identified and a detailed description of field/laboratory blank contamination (Section C.6), precision issues (Section C.3 and C.7), and accuracy issues (Section C.4) are provided below.

C.1.3 Field Sampling Program Quality Control

Field sampling quality control was acceptable and conducted according to the Final QAPP (EA 1999). Field duplicate samples were collected for each matrix (i.e., sediment, ground water, and leachate seep) and analyzed for the same parameters as the environmental samples to determine field sampling precision. The potential for cross-contamination of volatile organics during sample storage and shipment was assessed by trip blanks which were shipped with each sample cooler containing aqueous samples. The trip blanks were analyzed for VOCs by EPA SW-846 Method 8260B. To document the effectiveness of decontamination protocols, rinsate blank samples were collected by running de-ionized water through decontaminated sampling equipment and into the appropriate sample containers, and analyzing for the same parameters as the samples. In addition, a source water blank was analyzed to assess the chemical quality of the water used in the decontamination sequence. The source water blanks and the field rinsate blanks were also associated with samples collected at Sites 1 and 3 and Eastern Plume under a separate SDG.

C.1.4 Laboratory Analytical Quality Control Program

The precision and accuracy objectives and reporting requirements identified in the Long-Term Monitoring Plan were met. Ground-water, diffusion, surface water, and leachate seep samples were collected for analysis of Target Compound List VOCs by EPA Method 8260B, and 4 ground-water samples (including 1 duplicate sample) were also analyzed for both Target Analyte List elements by EPA Methods 6010B and 7000 series and Target Compound List SVOCs by EPA Method 8270C. Four diffusion samples (including 1 duplicate sample) and 2 ground-water samples (including 1 duplicate sample) were collected for analysis of vinyl chloride by EPA Method 8260B Sim. Sediment samples were collected for analysis of Target Compound List VOCs by EPA Method 8260B.

C.2 SAMPLE HOLDING TIMES

The holding times were met for all method and sample matrixes. Holding times (from date of sample collection to date of sample preparation/analysis) were compared against the maximum holding times identified in the quality control requirements of the referenced analytical methods.

C.3 PRECISION

C.3.1 Volatile Organic Compounds

All 40 VOCs were used to quantify the MS/MSD RPDs. The control limits identified in the QAPP were used to evaluate the data. The MS/MSD analyses were performed on 6 samples (MW-NASB-076 [shallow], MW-NASB-071 [shallow], MW-NASB-069, MW-NASB-072, SW-010, and SD-010). There were no leachate seep samples designated for MS/MSD analyses, therefore, no leachate seep samples were evaluated for analytical precision. The surface water, sediment, and monitoring well (for vinyl chloride SIM analysis) sample MS/MSD RPDs were within the established control limits, therefore, analytical precision was determined to be acceptable and the usability of the data is unaffected. The monitoring well sample MS/MSD RPDs were within the established control limits in Sample MW-NASB-069 with the exception of 1,1-dichloroethene (27 percent). The results for 1,1-dichloroethene should be considered estimated based on MS/MSD RPDs.

The diffusion sample MS/MSD RPDs were within the established control limits in Sample MW-NASB-071 (shallow) with the exception of bromoform (22 percent), bromodichloroethane (25 percent), benzene (25 percent), acetone (22 percent), 2-hexanone (190 percent), carbon disulfide (21 percent), carbon tetrachloride (22 percent), 1,2-dichloropropane (25 percent), 1,2-dichloroethane (24 percent), 1,2-dichlorobenzene (26 percent), 1,1-dichloroethene (24 percent), 1,1-dichloroethane (24 percent), 1,1,2-trichloroethane (24 percent), trichloroethene (24 percent), *trans*-1,3-dichloropropene (24 percent), total xylenes (22 percent), total 1,2-dichloroethene (24 percent), toluene (22 percent), bromomethane (27 percent), tetrachloroethane (24 percent), vinyl chloride (26 percent), ethylbenzene (23 percent), dibromochloromethane (21 percent), chloromethane (26 percent), and chloroform (22 percent). The non-detect results

for bromoform, bromodichloromethane, benzene, acetone, 2-hexanone, carbon disulfide, carbon tetrachloride, 1,2-dichloroethane, 1,2-dichloropropane, 1,2-dichlorobenzene, 1,1-dichloroethene, 1,1-dichloroethane, 1,1,2-trichloroethane, trichloroethene, *trans*-1,3-dichloropropene, total xylenes, total 1,2-dichloroethene, toluene, bromomethane, tetrachloroethene, chloromethane, vinyl chloride, ethylbenzene, dibromochloromethane, and chloroform in Sample MW-NASB-071 (shallow) are considered estimated based on MS/MSD RPDs.

C.3.2 Target Analyte List Metals

The diffusion laboratory duplicate precision measurements were within the laboratory control limits, therefore, the diffusion metals data are considered usable based on the review of analytical precision. All 23 analytes were used to quantify the laboratory duplicate RPD. The control limits identified in the QAPP were used to evaluate the sediment duplicate RPD for Target Analyte List metals. The laboratory replicated the analyses of MW-NASB-069 (shallow).

C.3.3 Semivolatile Organic Compounds

Eleven SVOCs were used to quantify the MS/MSD RPD. The aqueous control limits identified in the QAPP were used to qualify the MS/MSD RPD. The MS/MSD analysis was performed on Sample MW-NASB-076 (shallow).

The diffusion sample MS/MSD RPDs were within the established control limits, therefore, analytical precision was determined to be acceptable and the usability of the data is unaffected.

C.4 ACCURACY

C.4.1 Volatile Organic Compounds

The surface water, leachate seep, sediment, diffusion, and low-flow ground-water sample SMC recoveries were within established control limits; therefore, the analytical results are usable as reported. Four SMCs are used to measure the ability of the laboratory to purge the target analytes from the environmental samples. The SMC control limits for the aqueous and sediment samples identified in the QAPP and reported by the laboratory were identical.

All 40 VOCs were used to quantify MS/MSD recoveries against laboratory established control limits. The recovery limits reported by the laboratory were the same as those identified in the QAPP. The samples chosen for MS/MSD are identified in Section C.3.1.

The diffusion sample MS/MSD recoveries were within the established control limits, with the exception of vinyl chloride (51 percent) in Sample MW-NASB-076 (shallow); and 1,4-dichlorobenzene (51 percent), 1,1,1-trichloroethane (53 percent), bromoform (40 and 50 percent), bromodichloromethane (44 and 57 percent), benzene (48 percent), 4-methyl-2-pentanone (39 and 46 percent), 2-hexanone (0.9 and 44 percent), 2-butanone (46 and 56 percent), carbon tetrachloride (51 percent), 1,3-dichlorobenzene (50 and 59 percent), 1,2-dichloropropane (41 and

53 percent), 1,2-dichloroethane (54 percent), 1,2-dichlorobenzene (47 percent), 1,1-dichloroethene (54 percent), 1,1-dichloroethane (52 percent), 1,1,2-trichloroethane (46 and 58 percent), 1,1,2,2-tetrachloroethane (52 percent), styrene (43 and 52 percent), trichloroethane (43 and 55 percent), *trans*-1,3-dichloropropene (42 and 53 percent), total xylenes (47 and 58 percent), total 1,2-dichloroethene (50 percent), toluene (48 and 59 percent), bromomethane (22 and 28 percent), tetrachloroethene (38 and 49 percent), vinyl chloride (52 percent), methylene chloride (31 and 37 percent), ethylbenzene (48 percent), dibromochloromethane (44 and 54 percent), *cis*-1,3-dichloropropene (39 and 47 percent), chloroform (53 percent), chloroethane (53 percent), and chlorobenzene (48 and 58 percent) in Sample MW-NASB-071 (shallow).

The positive and non-detect results for 1,4-dichlorobenzene, 1,1,1-trichloroethane, 4-methyl-2-pentanone, 2-butanone, 1,3-dichlorobenzene, 1,1,2,2-tetrachloroethane, styrene, methylene chloride, *cis*-1,3-dichloropropene, chloroethane, and chlorobenzene should be considered estimated bias low in 11 samples (MW-NASB-071 [shallow], MW-NASB-021 [shallow], MW-NASB-021 [deep], MW-NASB-072 [shallow], MW-NASB-072 [deep], MW-NASB-071 [mid], MW-NASB-071 [deep], MW-NASB-071 [deep] DUP, MW-NASB-075 [shallow], MW-NASB-075 [mid], and MW-NASB-075 [deep]). NOTE: Methylene chloride was qualified as false-positive for method blank contamination in 5 of the above-mentioned samples (MW-NASB-071 [shallow], MW-NASB-021 [shallow], MW-NASB-071 [mid], MW-NASB-075 [shallow], and MW-NASB-075 [mid]) and, therefore, the accuracy criteria would not apply (see Section C.6 for discussion).

The positive and non-detect results for bromoform, bromodichloromethane, benzene, 2-hexanaone, carbon tetrachloride, 1,2-dichloropropane, 1,2-dichloroethane, 1,2-dichlorobenzene, 1,1-dichloroethene, 1,1-dichloroethane, 1,1,2-trichloroethane, trichloroethene, *trans*-1,3-dichloropropene, total xylenes, total 1,2-dichloroethene, toluene, bromomethane, tetrachloroethene, vinyl chloride, ethylbenzene, dibromochloromethane, and chloroform should be considered estimated bias low in 5 samples (MW-NASB-021 [shallow], MW-NASB-071 [mid], MW-NASB-071 [shallow], MW-NASB-075 [shallow], and MW-NASB-075 [mid]). NOTE: The above-mentioned compounds were previously qualified as estimated in Sample MW-NASB-071 (shallow) due to MS/MSD RPDs (see Section C.3.1 for discussion). The positive results for vinyl chloride in 4 samples (MW-NASB-076 [shallow], MW-NASB-076 [mid], MW-NASB-076 [deep], and MW-NASB-076 [deep] DUP) are considered estimated bias low.

The monitoring well sample MS/MSD recoveries were within the established control limits, with the exception of carbon disulfide (144 and 145 percent) in Sample MW-NASB-072; and carbon disulfide (182 and 158 percent), 1,1-dichloroethene (145 percent), and vinyl chloride (153 percent) in Sample MW-NASB-069. The results for vinyl chloride are considered estimated bias high in 4 samples (MW-NASB-069, MW-NASB-069 DUP, MW-NASB-076, and MW-NASB-076 DUP). Carbon disulfide and 1,1-dichloroethene were not detected in the monitoring well samples, therefore, the data are usable as reported based on the MS/MSD review.

The sediment sample MS/MSD recoveries were within the established control limits, with the exception of acetone (901 and 910 percent) and methylene chloride (37 and 56 percent) in Sample SED-10. The positive results for acetone are considered estimated bias high and the positive results for methylene chloride are considered estimated bias low in 2 samples (SED-10 and SED-10 DUP).

All 40 VOCs were used to quantify the LCS recoveries against laboratory established control limits. The sediment, surface water, and leachate seep LCS recoveries were compliant. All sediment, surface water, and leachate seep data are usable based on the review of the LCS accuracy. Monitoring well and diffusion LCS recoveries were within laboratory established control limits, with the exception of acetone (279, 143, and 246 percent), bromoform (50 percent), chloromethane (160 and 149 percent), and bromomethane (47 percent). The results for bromoform in 6 samples (MW-NASB-074 [mid], MW-NASB-074 [deep], MW-NASB-022 [shallow], MW-NASB-022 [mid], MW-NASB-022 [deep], and MW-NASB-074 [shallow]) are considered estimated bias low. The result for chloromethane in 2 samples (MW-NASB-022 [deep] and MW-NASB-076 [mid] DUP) are considered estimated bias high. The results for acetone in 6 samples (MW-NASB-080, MW-NASB-075, MW-NASB-076, MW-NASB-076 DUP, MW-NASB-076 [mid] DUP, and MW-NASB-074) are considered estimated bias high. NOTE: The results for acetone were qualified as false-positive in 7 samples (MW-NASB-074 [mid], MW-NASB-022 [shallow], MW-NASB-022 [deep], MW-NASB-021 [shallow], MW-NASB-075 [shallow], MW-NASB-075 [mid], and MW-NASB-074 [shallow]) due to method blank contamination (see Section C.6 for discussion). The results for bromomethane in 11 samples (MW-NASB-022, MW-NASB-074, MW-NASB-075, MW-NASB-071, MW-NASB-080, MW-NASB-076, MW-NASB-076 DUP, MW-NASB-076 [mid], MW-NASB-076 [mid] DUP, S9-QD001, and MW-NASB-021) are considered estimated bias low. The results for bromomethane were qualified as estimated in Sample MW-NASB-071 (shallow) due to MS/MSD RPDs (see Section C.3.1 for discussion). The positive results for chloromethane in 2 samples (MW-NASB-076 [mid] DUP and MW-NASB-022 [deep]) are considered estimated bias high.

C.4.2 Target Analyte List Metals

Nineteen Target Analyte List analytes were used to quantify MS recoveries for aqueous samples. Calcium, magnesium, potassium, and sodium are not required as spiking compounds due to the potential for these compounds to be present in the environmental samples at high concentrations.

The MS/MSD samples were analyzed at the correct frequency, and the accuracy control limits used to evaluate the data were taken from the QAPP.

The laboratory performed an MS on the sample identified in Section C.3.2. The ground-water MS recoveries were within the established control limits, with the exception of aluminum (140 and 148 percent). The results for aluminum in 4 samples (MW-NASB-069, MW-NASB-070, MW-NASB-069, and MW-NASB-079) are considered estimated bias high.

All 23 Target Analyte List analytes were used to quantify LCS recoveries against laboratory established control limits. There were no LCS recoveries presented in the QAPP. The aqueous LCS recoveries were compliant. All aqueous data are usable based on the review of the LCS accuracy.

C.4.3 Semivolatile Organic Compounds

Semivolatile data are usable as reported based on the review of analytical accuracy for SMC. Six SMCs were used to measure the ability of the laboratory to extract the target compounds from the environmental samples. The aqueous sample SMC recoveries were within the established control limits.

One compound (hexachlorocyclopentadiene) in Sample MW-NASB-069 was rejected based on MS/MSD recovery criteria. All 64 compounds were used to qualify the MS/MSD recoveries. The control limits stated in the QAPP were used to evaluate the data. The monitoring well sample MS/MSD recoveries met acceptance criteria with the exception of the following: 3-nitroaniline (180 and 189 percent), 2,4-dichlorophenol (57 percent), 2,4-dimethylphenol (22 and 28 percent), 2,4-dinitrophenol (51 percent), 1,4-dichlorobenzene (56 percent), 2-chlorophenol (59 percent), 2-methylphenol (50 and 54 percent), 4-methylphenol (41 and 46 percent), 4-nitrophenol (42 and 44 percent), 1,2-dichlorobenzene (55 percent), 1,3-dichlorobenzene (54 and 59 percent), 3,3'-dichlorobenzidine (286 and 315 percent), hexachlorobutadiene (56 percent), hexachlorocyclopentadiene (2.4 and 3.6 percent), hexachloroethane (25 and 31 percent), dimethylphthalate (28 and 24 percent), pentachlorophenol (50 and 49 percent), phenol (29 and 30 percent), di-n-octylphthalate (154 percent), and diethylphthalate (59 percent). The results for 2,4-dichlorophenol, 2,4-dimethylphenol, 2,4-dinitrophenol, 1,4-dichlorobenzene, 2-chlorophenol, 2-methylphenol, 4-methylphenol, 4-nitrophenol, 1,2-dichlorobenzene, 1,3-dichlorobenzene, hexachlorobutadiene, hexachloroethane, pentachlorophenol, phenol, and diethylphthalate are considered estimated bias low in Sample MW-NASB-069. The non-detect result for hexachlorocyclopentadiene in Sample MW-NASB-069 is considered rejected due to the very low MS/MSD recovery. The non-detect result for dimethylphthalate is considered rejected due to very low LCS recovery (see next paragraph for discussion).

One compound (dimethylphthalate) was rejected in 4 samples (MW-NASB-069, MW-NASB-070, MW-NASB-069 DUP, and MW-NASB-079) based on LCS criteria. All 64 SVOCs were used to quantify the LCS recoveries against the limits stated in the QAPP. The LCS recoveries were within the control limits with the exception of 1,2,4-trichlorobenzene (53 percent), 1,2-dichlorobenzene (55 percent), 1,3-dichlorobenzene (53 percent), 1,4-dichlorobenzene (53 percent), 2,4,6-trichlorophenol (69 percent), 2,4-dichlorophenol (65 percent), 2,4-dimethylphenol (62 percent), 2,6-dinitrotoluene (70 percent), 2-chlorophenol (62 percent), 2-methylnaphthalene (64 percent), 2-methylphenol (61 percent), 2-nitrophenol (63 percent), 3,3'-dichlorobenzidine (214 percent), 4-methylphenol (57 percent), 4-nitrophenol (35 percent), acenaphthylene (67 percent), bis(2-chloroethoxy)methane (66 percent), bis(2-ethylhexyl)phthalate (62 percent), bis(2-chloroethyl)ether (61 percent), diethylphthalate

(37 percent), dimethylphthalate (9.8 percent), hexachlorobutadiene (51 percent), hexachlorocyclopentadiene (56 percent), hexachloroethane (54 percent), isophorore (64 percent), N-nitrosodi-n-propylamine (69 percent), naphthalene (65 percent), nitrobenzene (62 percent), pentachlorophenol (69 percent), and phenol (31 percent). The non-detect results for 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 2,4,6-trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2,6-dinitrotoluene, 2-chlorophenol, 2-methylnaphthalene, 2-methylphenol, 2-nitrophenol, 4-methylphenol, 4-nitrophenol, acenaphthylene, bis(2-chloroethoxy)methane, bis(2-ethylhexyl)phthalate, bis(2-chloroethyl)ether, diethylphthalate, hexachlorobutadiene, hexachlorocyclopentadiene, hexachloroethane, isophorore, N-nitrosodi-n-propylamine, naphthalene, nitrobenzene, pentachlorophenol, and phenol are considered estimated bias low in samples MW-NASB-070, MW-NASB-069 DUP, and MW-NASB-079.

The non-detect results for 1,2,4-trichlorobenzene, 2,4,6-trichlorophenol, 2,6-dinitrotoluene, 2-methylnaphthalene, 2-nitrophenol, acenaphthylene, bis(2-chloroethoxy) methane, bis(2-ethylhexyl)phthalate, bis(2-chloroethyl)ether, isophorore, N-nitrosodi-n-propylamine, naphthalene, and nitrobenzene are considered estimated bias low in Sample MW-NASB-069. The non-detect results for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzen, 2,4-dichlorophenol, 2,4-dimethylphenol, 2-chlorophenol, 2-methylphenol, 4-methylphenol, 4-nitrophenol, diethylphthalate, hexachlorobutadiene, hexachlorocyclo-pentadiene, hexachloroethane, pentachlorophenol, and phenol were qualified for MS/MSD recovery criteria (see previous paragraph for discussion). The result for dimethylphthalate should be considered rejected in Samples MW-NASB-069, MW-NASB-070, MW-NASB-069 DUP, and MW-NASB-079.

C.5 COMPLETENESS

Usable analytical data were available for all analytes/compounds for all field samples, and total analytical completeness is 99.7 percent. Analytical completeness for SVOCs is 98 percent (2 compounds were rejected based on accuracy criteria).

Forty-five of the planned 45 aqueous field samples were collected, resulting in a field completeness level of 100 percent, and 2 of 2 sediment field samples were collected, resulting in a field completeness level of 100 percent.

The field quality control blanks were collected at the proper frequency. A total of 3 trip blanks were collected for Site 9. There were 2 rinsate blanks collected (associated with the surface water/seep samples and the sediment samples) and 2 rinsate blanks collected (associated with the diffusion samples). In addition, 2 source water blanks were submitted for Site 9 in compliance with the QAPP.

Analytical completeness was quantitated by comparing the number of acceptable analytical results to the total number of analytical results.

C.6 FIELD QUALITY CONTROL BLANKS

Monitoring well and trip blank samples contained analytical results that are considered false-positives based on both field and method blank contamination. Field quality control rinsate blanks were collected to evaluate the potential for contamination that may have been introduced during the field sampling activities. Trip blanks were collected to assess the potential for cross-contamination of VOCs during sample shipment. In both cases, where contamination exists, environmental samples should be reviewed for possible false-positives.

The field quality control blanks collected for this site included 3 trip blanks, 2 equipment rinsate blanks, 2 diffusion rinsate blanks, and 2 source water blanks. The rinsate blank (EP-QS-001SW) associated with the collection of surface water sampling, the rinsate blank (S9-QS-001) associated with the collection of sediment sampling, the rinsate blanks (DSRB1 and RB-2) associated with the collection of the diffusion sampling, and the source water blanks (S9-QD-001 and S1-QD-001) associated with the collection of surface water and sediment sampling, and the diffusion samples with this event were collected under a separate SDG associated with Sites 1 and 3 and Eastern Plume and Site 2.

C.6.1 Laboratory Method Blanks

Method blanks were reviewed, and the following VOCs were detected in the method blanks: methylene chloride, acetone, total xylenes, chloroform, and trichloroethene.

The positive methylene chloride results (MW-NASB-227 [shallow], MW-NASB-069 [shallow], MW-NASB-069 [shallow] DUP, MW-NASB-076, MW-NASB-071 [shallow], MW-NASB-080, MW-NASB-075, QT-02, MW-NASB-021 [shallow], MW-NASB-071 [mid], MW-NASB-071 [shallow], MW-NASB-075 [shallow], MW-NASB-075 [mid],MW-NASB-074 [mid], MW-NASB-074 [deep],LT-901 DUP, QT-07, RB2, and MW-NASB-076 [mid]) should be considered false-positives due to method blank contamination.

The positive acetone results (MW-NASB-227 [shallow], QT-01, MW-NASB-021 [shallow], MW-NASB-075 [shallow], MW-NASB-075 [mid], MW-NASB-074 [mid], MW-NASB-022 [shallow], MW-NASB-022 [deep], and MW-NASB-074 [shallow]) should be considered false-positives due to method blank contamination.

The positive trichloroethene result for Sample DSRB1 should be considered false-positive due to method blank contamination.

C.6.2 Trip Blanks

The field quality control blanks collected for this site included 3 trip blanks (QT-01, QT-02, and QT-07). The trip blanks were analyzed for VOCs and no VOCs were reported with the exception of methylene chloride and acetone. The methylene chloride results in QT-02 and QT-07 are considered false-positives due to method blank contamination (see Section C.6.1 for discussion).

The acetone result in QT-01 is considered false-positive due to method blank contamination (see Section C.6.1 for discussion). The positive result for acetone in Sample SW-10 is considered false-positive due to trip blank contamination. Methylene chloride and acetone are considered laboratory contamination and, therefore, the analytical results of the trip blanks indicate that there was no cross-contamination of VOCs during sample shipment.

C.6.3 Rinsate Blanks

The analytical results for the rinsate blanks associated with the leachate seep and sediment collected at Site 9, and the associated source water blank, are shown in the following table:

Compound	Units	S9-QD-001	S1-QD-001	EP-QS-001SW	S9-QS-001
Acetone	µg/L	(<5U)	NA	3JB	(<5U)
Aluminum	µg/L	(<21.39U)	NA	59.6B*	NA
Barium	µg/L	(<1.15U)	NA	1.2B*	NA
Calcium	µg/L	7,970	NA	8,080	NA
Iron	µg/L	17.5B*	NA	(<16.46U)	NA
Lead	µg/L	3B*	NA	2B*	NA
Magnesium	µg/L	1,310	NA	1,290	NA
Manganese	µg/L	5B*	NA	4B*	NA
Nickel	µg/L	8.1B*	NA	1.4B*	NA
Potassium	µg/L	810B*	NA	823B*	NA
Sodium	µg/L	5,990	NA	5,460	NA
Zinc	µg/L	3.2	NA	1.2B*	NA

NOTE: U = Not detected. Sample quantitation limits are shown as (<___U).
NA = Sample S1-QD-001 only sampled for pesticides and total organic carbon and
J = Estimated concentration below detection limit.
B = Compound detected in associated method blank.
B* = Analyte concentration is between the IDL and the CRDL.
Sample S9-QS-001 only sampled for VOCs.

The analytical results of the equipment rinsate blanks and the source water blank indicate that there was no contamination introduced during the field sampling activities. The source water blank (S9-QD-001 and S1-QD-001) and the rinsate blanks (EP-QS-001SW and S9-QS-001) were reported free of VOC contamination, with the exception of acetone in one of the rinsate blanks. The positive acetone result in Sample EP-QS-001SW is considered a false-positive due to method blank contamination (see Section C.6.1 for discussion). The rinsate blanks were performed on the dedicated sampling equipment (sample jars and EnCore™ sampler) to show that the sampling equipment was free of contamination. The minor inorganic contamination detected in the rinsate blanks is attributed to the contamination detected in the rinse water (source blank water) and, therefore, the inorganic sample results are unaffected.

The results of the diffusion rinsate blanks (DSRB1 and RB2) and associated source water blank (S9-QD-001) associated with the diffusion samples taken at Site 9 are shown in the table below:

Compound	Units	S9-QD-001	DSRB1	RB2
1,1,1-Trichloroethane	µg/L	(<1U)	0.6J	(<1U)
2-Butanone	µg/L	(<5U)	(<5U)	4J
Methylene chloride	µg/L	(<1U)	(<1U)	0.9JB
Trichloroethene	µg/L	(<1U)	5B	(<1U)

NOTE: U = Not detected. Sample quantitation limits are shown as (<___U).
J = Estimated concentration below detection limit.
B = Compound detected in associated method blank.

The analytical results of the field blank and source water blank indicate that there was minor VOC contamination present. The positive result for methylene chloride in Sample RB2 should be considered false-positive due to method blank contamination (see Section C.6.1 for discussion). The positive result for trichloroethene in Sample DSRB1 should be considered false-positive due to method blank contamination (see Section C.6.1 for discussion). As 2-butanone and 1,1,1-trichloroethane were not detected in the diffusion samples, these results are usable as reported.

C.7 DUPLICATE FIELD SAMPLES

All precision requirements were met for the organic results for the duplicate samples (MW-NASB-069, MW-NASB-069 DUP, MW-NASB-076, MW-NASB-076 DUP, MW-NASB-069 [shallow], MW-NASB-069 DUP [shallow], MW-NASB-076 [mid], MW-NASB-076 [mid] DUP, LT-901, LT-901 DUP, MW-NASB-071 [deep] and MW-NASB-071 [deep] DUP), therefore, the sample results are usable as reported. Field duplicate samples are used to evaluate the overall precision for both the field and laboratory and the homogeneity of the sample matrix. Typically, these results have more variability than laboratory precision measurements with the extremes being noted in soil matrices.

Based on EPA Region 1 criteria for evaluating field duplicates, the following guidelines were used to review the field duplicates taken during the sampling event. The overall precision of organic compounds was evaluated as the RPD (non-detects were defined as one-half the reporting limit) and was considered acceptable at an RPD of less than 30 percent for water samples and 50 percent for soil samples. Overall precision for inorganic analytes was evaluated by reviewing the difference of the field duplicate for analytes with concentrations less than 5 times the reporting limit (the difference cannot be greater than ±2 times the reporting limit for water samples or cannot be greater than ±4 times the reporting limit for soil samples), and by the RPD (less than 30 percent for water samples or 50 percent for soil samples) for the analytes greater than 5 times the reporting limit. Non-detects were defined as one-half the reporting limit for difference measurements. The reporting limits used to evaluate the data are based on those presented in the QAPP.

Duplicate field samples were collected during the monitoring well ground-water sampling program, diffusion sampling program, and leachate seep sampling program. The sample locations of the field duplicated samples were not identified to the laboratory. The precision measurements for all analytes reported above the CRQL/CRDL are defined in the tables below.

The following table shows the first set of field duplicate ground-water sample results that are associated with SDG S9MW069:

Compound	Units	MW-NASB-069	MW-NASB-069 DUP	RPD%	Difference
Total 1,2-Dichloroethene	µg/L	37	44	17	---
Vinyl chloride	µg/L	55	63	13	---
Aluminum	µg/L	1,960	161	NA	**1,799**
Barium	µg/L	19.8	7.4	NA	**12.4**
Beryllium	µg/L	0.43B*	0.26B*	NA	0.17
Cadmium	µg/L	1.7B*	0.31B*	NA	1.39
Calcium	µg/L	7,530	6,090	21	NR
Chromium	µg/L	34.9	1.4B*	NA	**33**
Cobalt	µg/L	3.2B*	(<0.92U)	NA	2.74
Copper	µg/L	11.9B*	0.97B*	NA	10.93
Iron	µg/L	4,510	542	**157**	NR
Lead	µg/L	3.4B*	2.3B*	NA	1.1
Magnesium	µg/L	3,800	2,610	**37**	NR
Manganese	µg/L	521	434	18	NR
Mercury	µg/L	(<0.03U)	0.05B*	NA	0 03
Nickel	µg/L	23.8B*	3.5B*	NA	20.3
Potassium	µg/L	2,210	1,610	NA	600
Sodium	µg/L	58,400	57,400	1.7	NR
Vanadium	µg/L	8.5B*	1.3B*	NA	7.2
Zinc	µg/L	15.3B*	3.9B*	NA	11.4

NOTE: NA = Not applicable; analyte concentration was less than 5 times the reporting limit.
B* = Analyte concentration is between the IDL and the CRDL.
NR = Not required; analyte concentration was greater than 5 times the reporting limit and, therefore, the RPD was applied.
U = Not detected. Sample quantitation limits are shown as (<__U).
Dashes (---) indicate this column does not apply to organic analysis.
Results in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses with the exception of aluminum, barium, chromium, iron, and magnesium. The results for aluminum, barium, chromium, iron, and magnesium should be considered estimations of their true concentrations in Sample MW-NASB-069.

The following table shows the second set of field duplicate ground-water sample results that are associated with SDG S9MW069:

Compound	Units	MW-NASB-076	MW-NASB-076 DUP	RPD%
Total 1,2-dichloroethene	µg/L	0.6J	0.7J	15
Vinyl chloride	µg/L	2	2	0
Methylene chloride	µg/L	3B	(<1U)	**143**
Acetone	µg/L	120	67	**57**
Vinyl chloride (SIMS)	µg/L	2	2	0

NOTE: J = Estimated concentration below detection limit.
B = Compound detected in associated method blank.
U = Not detected. Sample quantitation limits are shown as (<__U).
Results in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses with the exception of methylene chloride and acetone. The data user should note that the result for methylene chloride in Sample MW-NASB-076 was previously qualified as false-positive based on method blank contamination (see Section C.6.1 for discussion). The data user should note that the result for acetone in Sample MW-NASB-076 DUP was previously qualified as estimated based on LCS precision criteria (see Section C.4.1 for discussion).

The following table shows the first set of field duplicate diffusion sample results that are associated with SDG S9MW069:

Compound	Units	MW-NASB-069 (shallow)	MW-NASB-069 DUP (shallow)	RPD%
Total 1,2-dichloroethene	µg/L	60	59	2
Methylene chloride	µg/L	1JB	0.8JB	22
Vinyl chloride	µg/L	75	78	4

NOTE: J = Estimated concentration below detection limit.
B = Compound detected in associated method blank.

All precision requirements were met for the field duplicate analyses; the results are usable as reported. The data user should note that the results for methylene chloride were previously qualified as false-positives based on method blank contamination (see Section C.6.1 for discussion).

The following table shows the second set of field duplicate diffusion sample results that are associated with SDG S9DS69S:

Compound	Units	MW-NASB-076 (mid)	MW-NASB-076 DUP (mid)	RPD%
Chloromethane	µg/L	(<2.0U)	1J	0
Acetone	µg/L	(<5U)	6	**82**
Vinyl chloride	µg/L	1J	1J	0
Methylene chloride	µg/L	0.7JB	(<1U)	**33**
Vinyl chloride (SIMS)	µg/L	1	1	0

NOTE: U = Not detected. Sample quantitation limits are shown as (<__U).
J = Estimated concentration below detection limit.
B = Compound detected in associated method blank.
Results in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses with the exception of methylene chloride and acetone. The data user should note that the result for acetone in Sample MW-NASB-076 DUP was previously qualified as estimated based on LCS precision criteria (see Section C.4.1 for discussion). The data user should note that the results for methylene chloride were previously qualified as false-positives based on method blank contamination (see Section C.6.1 for discussion).

The following table shows the set of field duplicate diffusion sample results that are associated with SDG S9DS071S:

Compound	Units	MW-NASB-071 (deep)	MW-NASB-071 DUP (deep)	RPD%
Methylene chloride	µg/L	2B	(<1U)	**125**

NOTE: B = Compound detected in associated method blank.
U = Not detected. Sample quantitation limits are shown as (<__U).
Results in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses with the exception of methylene chloride. The data user should note that the results for methylene chloride were previously qualified as false-positives based on method blank contamination (see Section C.6.1 for discussion).

The following table shows the leachate seep sample duplicate results associated with SDG S9SW010:

Compound	Units	LT-901	LT-901 DUP	RPD%
Methylene chloride	µg/L	(<1U)	0.5JB	0

NOTE: U = Not detected. Sample quantitation limits are shown as (<__U).
J = Estimated concentration below detection limit.
B = Compound detected in associated method blank.

All precision requirements were met for the field duplicate analyses; the results are usable as reported. The data user should note that the results for methylene chloride were previously qualified as false-positives based on method blank contamination (see Section C.6.1 for discussion).

The following table shows the sediment sample duplicate results associated with SDG S9SD010:

Compound	Units	SED-010	SED-010 DUP	RPD%
Methylene chloride	µg/Kg	88B	92B	4
Acetone	µg/Kg	240J	260	8
Carbon disulfide	µg/Kg	2	2	0
Total 1,2-dichloroethene	µg/Kg	2	1	**67**
Chloroform	µg/Kg	0.8J	0.8J	0
Trichloroethene	µg/Kg	0.8J	(<1U)	**96**
Dibromochloromethane	µg/Kg	0.6J	(<1U)	18
Bromoform	µg/Kg	58	69	17

NOTE: B = Compound detected in associated method blank.
J = Estimated concentration below detection limit.
U = Not detected. Sample quantitation limits are shown as (<__U).
Results in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses with the exception of total 1,2-dichloroethene and trichloroethene. The results for total 1,2-dichloroethene and trichloroethene should be considered estimations of their true concentrations in Sample SD-010. The data user should note that the results for methylene chloride were previously qualified as false-positives based on method blank contamination (see Section C.6.1 for discussion).

C.8 METHOD DETECTION LIMITS FOR SEDIMENT AND AQUEOUS SAMPLES

Appendix C.1 provides the method detection limits for sediment and aqueous samples. The method detection limit represents the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero and is determined from analysis of a sample for a given matrix.

Appendix C.1

Method Detection Limits for Sediment and Aqueous Samples

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
Polychlorinated Biphenyls									
Aroclor 1221	8082	---	---	---	---	17	0.5	2.96	0.25
Aroclor 1232	8082	---	---	---	---	17	0.5	4.19	0.36
Aroclor 1242	8082	---	---	---	---	17	0.5	5.34	0.25
Aroclor 1248	8082	---	---	---	---	17	0.5	3.16	0.28
Aroclor 1254	8082	---	---	---	---	17	0.5	3.95	0.28
Aroclor 1016	8082	56-106	43-114	0-50 (nom.)	0-30 (nom.)	17	0.5	4.24	0.25
Aroclor 1260	8082	67-113	53-117	0-50 (nom.)	0-30 (nom.)	17	0.5	3.69	0.26
Surrogates									
Decachlorobiphenyl	8082	49-115	12-135	---	---	---	---	---	---
Tetrachloro-m-xylene	8082	38-104	26-119	---	---	---	---	---	---
Pesticides									
Alpha-BHC	8081A	53-104	65-117	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.497	0.0052
Gamma-BHC(Lindane)	8081A	58-107	69-115	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.486	0.0044
Beta-BHC	8081A	70-106	75-116	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.549	0.0069
Delta-BHC	8081A	64-114	66-122	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.368	0.0034
Heptachlor	8081A	52-110	60-106	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.306	0.0058
Aldrin	8081A	49-108	64-113	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.406	0.0084
Heptachlor Epoxide	8081A	65-109	76-117	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.346	0.0076
Gamma-Chlordane	8081A	66-111	76-118	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.882	0.0093
Alpha-Chlordane	8081A	68-110	78-119	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.36	0.0081
4,4'-DDE	8081A	65-106	74-110	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.302	0.0051
Endosulfan I	8081A	58-107	66-113	0-50 (nom.)	0-30 (nom.)	1.7	0.05	0.394	0.0072
Dieldrin	8081A	65-110	74-118	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.385	0.0062
Endrin	8081A	68-109	74-116	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.337	0.0058
4,4'-DDD	8081A	37-129	59-117	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.603	0.0087
Endosulfan II	8081A	65-108	73-115	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.292	0.0054
4,4'-DDT	8081A	63-113	71-118	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.546	0.0061
Endrin Aldehyde	8081A	43-103	79-125	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.553	0.0043
Methoxychlor	8081A	29-159	51-123	0-50 (nom.)	0-30 (nom.)	17	0.5	0.724	0.0114
Endosulfan Sulfate	8081A	64-123	67-143	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.469	0.0044
Endrin Ketone	8081A	64-122	78-121	0-50 (nom.)	0-30 (nom.)	3.3	0.1	0.414	0.0044
Surrogates									
Decachlorobiphenyl	8081A	42-136	19-125	---	---	---	---	---	---
Tetrachloro-m-xylene	8081A	51-106	40-93	---	---	---	---	---	---

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aque us Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
Dalapon	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	5	NA	3.43
MCPP	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	100	NA	35.86
Dicamba	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	1	NA	0.35
MCPA	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	150	NA	48.47
Dichloroprop	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	2	NA	0.62
2,4-D	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	1	NA	0.25
2,4,5-TP (Silvex)	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	1	NA	0.33
2,4,5-T	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	1	NA	0.36
Dinoseb	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	5	NA	1.6
2,4-DB	8151A	NA	30-120 (nom.)	NA	0-30 (nom.)	NA	1	NA	0.33
[illegible]									
2,4-Dichlorophenylacetic acid	8151A	NA	50-150	---	---	---	---	---	---
[illegible]									
Diesel Range Organics	8015B Mod.	52-132	69-131	0-50 (nom.)	0-30 (nom.)	5000	50	1200	20.5
[illegible]									
Ortho-terphenyl	8015B Mod.	50-105	64-110	---	---	---	---	---	---
Gasoline Range Organics	8015B Mod.	51-149	75-118	0-50 (nom.)	0-30 (nom.)	2500	10	1200	6.04
[illegible]									
BFB	8015B Mod.	70-135	60-135	---	---	---	---	---	---
aaa-TFT	8015B Mod.	24-131	---	---	---	---	---	---	---
[illegible]									
Chloromethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	2	1.02	0.64
Dichlorodifluoromethane	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	2	1	0.33
Bromomethane	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	2	1.34	0.24
Vinyl Chloride	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	2	1.08	0.41
Chloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	2	1.02	0.15
Trichlorofluoromethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	2	0.99	0.38
Acetone	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	5	4.33	0.62
Acrylonitrile	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1.77	0.19
Methylene Chloride	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	3.72	0.16
1,1-Dichloroethene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.78	0.45
2,2-Dichloropropane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1.32	0.32
Carbon Disulfide	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.73	0.38
MTBE	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.72	0.18

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
1,2-Dichloroethene (trans)	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.82	0.49
Bromochloromethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1.38	0.18
1,1-Dichloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.68	0.29
1,2-Dichloroethene (cis)	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.78	0.22
2-Butanone (MEK)	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	5	2.96	0.47
Chloroform	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.59	0.21
Tetrahydrofuran	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	50	50	1.4	0.61
1,1,1-Trichloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.81	0.64
1,1-Dichloropropene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.96	0.59
Carbon Tetrachloride	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.71	0.47
Dibromomethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.91	0.08
1,2-Dichloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.61	0.12
Bromodichloromethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.48	0.12
1,2-Dichloropropane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.49	0.14
cis-1,3-Dichloropropene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.52	0.14
Trichloroethene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.74	0.5
Benzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.56	0.29
1,2-Dibromoethane (EDB)	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.51	0.08
trans-1,3-Dichloropropene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.59	0.12
1,1,2-Trichloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.66	0.12
4-methyl-2-pentanone(MIBK)	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	5	1.67	0.39
1,3-Dichloropropane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.54	0.1
Toluene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.67	0.32
2-Hexanone	8260B	60-200 (nom.)	60-200 (nom.)	0-30 (nom.)	0-20 (nom.)	5	5	1.37	0.53
1,1,1,2-Tetrachloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.74	0.13
Tetrachloroethene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.65	0.72
Dibromochloromethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.58	0.08
Chlorobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.47	0.15
Ethylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.57	0.37
Styrene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.43	0.22
m+p-Xylene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1.23	0.78
Isopropylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.68	0.5
o-Xylene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.59	0.28
Bromoform	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.59	0.11

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
1,2,3-Trichloropropane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1.28	0.17
1,1,2,2-Tetrachloroethane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.83	0.14
Bromobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.94	0.11
2-Chlorotoluene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.57	0.32
1,3-Dichlorobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.57	0.2
1,4-Dichlorobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.81	0.17
n-Propylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.67	0.46
1,2-Dichlorobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.82	0.14
4-Chlorotoluene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.74	0.26
1,3,5-Trimethylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.62	0.38
tert-Butylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.65	0.52
1,2,4-Trimethylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.51	0.31
Sec-Butylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.75	0.54
p-Isopropyltoluene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.77	0.5
n-Butylbenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.79	0.54
1,2-Dibromo-3-Chloropropane	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1.54	0.45
1,2,4-Trichlorobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.92	0.44
Hexachlorobutadiene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.84	0.68
Naphthalene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	1	0.61
1,2,3-Trichlorobenzene	8260B	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-20 (nom.)	5	1	0.76	0.52
Surrogates									
DBFM	8260B	66-149	75-129	--	--	--	--	--	--
Toluene-d8	8260B	68-147	82-120	--	--	--	--	--	--
BFB	8260B	64-152	69-125	--	--	--	--	--	--
1,2-DCA-d4	8260B	66-149	65-135	--	--	--	--	--	--
Semivolatile Organic Compounds									
Acenapthene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	14.9	0.54
Acenaphthylene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	14.57	0.63
Anthracene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	8.54	0.57
Benzo (a) Anthracene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	10.64	0.77
Benzo (b) Fluoranthene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	13.99	0.71
Benzo(k)Fluoranthene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	23.82	1.67
Benzo (g,h,i) Perylene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	12.22	1.1
Benzo (a) Pyrene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	13.73	1.11

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
Bis (2-Chloroethoxy)Methane	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	17.46	0.75
Bis (2-Chloroethyl Ether	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	11.81	1.13
Bis (2-Chloroisopropyl)Ether	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	16.94	1.06
Bis (2-Ethylhexyl)Phthalate	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	25.06	0.41
4-Bromophenyl Phenyl Ether	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	12.18	0.79
Butyl Benzylphthalate	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	18.05	0.81
2-Chloronaphthalene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	19.35	1.08
4-Chlorophenyl Phenyl Ether	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	15.94	0.46
Chrysene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	21.03	0.55
Dibenz (a,h) Anthracene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	9.72	0.82
Di-n-Butylphthalate	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	95.28	0.99
1,2-Dichlorobenzene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	29.02	1.01
1,3-Dichlorobenzene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	35.46	1.16
1,4-Dichlorobenzene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	32.13	1.14
3,3-Dichlorobenzidine	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	29.27	5.34
Diethyl Phthalate	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	15.63	0.53
Dimethyl Phthalate	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	18.25	0.58
2,4-Dinitrotoluene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	9.96	0.56
2,6-Dinitrotoluene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	15.45	3.85
Di-n-Octyl Phthalate	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	14.25	0.4
Fluoranthene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	11.28	0.69
Fluorene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	12.88	0.45
Hexachlorobenzene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	15.3	0.64
Hexachlorobutadiene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	18.37	0.84
Hexachlorocyclopentadiene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	18.52	0.35
Hexachloroethane	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	27.5	1.46
Indeno (1,2,3-c,d) Pyrene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	12.89	0.81
2-Methylnaphthalene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	16.38	0.7
Naphthalene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	10.97	1.1
Nitrobenzene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	9.75	1.32
Isophorone	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	13.84	0.84
n-Nitrosodiphenylamine	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	24.66	1.74
n-Nitros di-n-propylamine	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	28.84	0.86
Phenanthrene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	11.52	0.54

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	S il PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
Pyrene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	20.24	0.74
1,2,4-Trichlorobenzene	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	14.74	0.71
n-Nitrosodimethylamine	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	82.89	3.75
4-chloroaniline	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	49.35	0.68
2-nitroaniline	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	31.1	0.48
3-nitroaniline	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	33.1	0.95
4-nitroaniline	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	54.89	4.74
1,2-Diphenylhydrazine	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	13.58	1.14
Benzidine	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	139.03	4.96
Carbazole	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	17.7	0.77
Dibenzofuran	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	7.33	0.64
4-Chloro-3-methylphenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	32.74	3.17
2-Chlorophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	27.6	2.24
2-methylphenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	28.16	3.75
4-m thylphenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	20.76	3.45
2,4-Dichlorophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	28.18	1.37
2,4-Dimethylphenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	33.02	1.98
4,6-Dinitro-2-methylphenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	67.8	3.68
2,4-Dinitrophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	84.6	7.12
2-Nitrophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	29.43	0.79
4-Nitrophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	131.57	1.07
Pentachlorophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	187.7	7.53
Phenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	18.28	1.75
2,4,6-Trichlorophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	330	10	18.93	1.08
2,4,5-Trichlorophenol	8270C	60-140 (nom.)	70-130 (nom.)	0-50 (nom.)	0-30 (nom.)	820	25	20.81	0.6
[illegible]									
Nitrobenzene-d5	8270C	14-107	36-117	---	---	---	---	---	---
2-Fluorobiphenyl	8270C	32-109	47-114	---	---	---	---	---	---
Terphenyl-d14	8270C	26-116	35-126	---	---	---	---	---	---
2-Fluorophenol	8270C	15-106	20-95	---	---	---	---	---	---
Phenol-d5	8270C	30-105	10-115	---	---	---	---	---	---
2,4,6-Tribromophenol	8270C	16-115	20-137	---	---	---	---	---	---
[illegible]									
Arsenic	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	800	8	220	2.4

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
Barium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	500	5	40	0.15
Cadmium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1000	10	30	0.32
Chromium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1500	15	70	0.89
Lead	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	500	5	270	2.05
Mercury	7471/7475	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	40	0.20	7.6	0.019
S lenium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1000	10	410	5.42
Aluminum	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	30000	300	1340	33.05
Boron	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	10000	100	3060	0.99
Beryllium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1500	15	30	0.25
Calcium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	5000	50	1100	6.61
Cobalt	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	3000	30	70	0.95
Copper	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	2500	25	150	0.89
Iron	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	10000	100	2860	19.97
Magnesium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	5000	50	860	4.22
Manganese	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1000	10	30	0.27
Molybdenum	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	10000	100	170	1.95
Nickel	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	4000	40	130	1.17
Potassium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	100000	1000	1620	27
Antimony	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	800	8	420	3.27
Silver	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1500	15	120	0.78
Sodium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	100000	1000	13940	298.26
Thallium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1500	15	670	5.05
Vanadium	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	2500	25	60	0.48
Zinc	6010	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	2500	25	100	0.53
[illegible]									
Cyanide	9012 Mod.	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	1000	10	NA	1.2
TOC	9060	NA	80-120 (nom.)	NA	0-25 (nom.)	NA	1000	NA	54
Phenol	9065	70-130 (nom.)	70-130 (nom.)	0-30 (nom.)	0-30 (nom.)	500	5	NA	3.7
Hexavalent Chromium	7196	80-120 (nom.)	80-120 (nom.)	0-25 (nom.)	0-25 (nom.)	400	10	48.3	5
[illegible]									
Chloride	9056	90-110 (nom.)	90-110 (nom.)	0-25 (nom.)	0-25 (nom.)	20000	2000	175	17.5
Bromide	9056	90-110 (nom.)	90-110 (nom.)	0-25 (nom.)	0-25 (nom.)	10000	500	3360	168
Nitrite	9056	90-110 (nom.)	90-110 (nom.)	0-25 (nom.)	0-25 (nom.)	500	50	245	24.5
Nitrate	9056	90-110 (nom.)	90-110 (nom.)	0-25 (nom.)	0-25 (nom.)	500	50	223	22.3

Target List	EPA Method	Soil Accuracy % Recovery	Aqueous Accuracy % Recovery	Soil Precision RPD (1)	Aqueous Precision RPD (1)	Soil PQLs (ppb)	Water PQLs (ppb)	Soil MDLs (ppb)	Water MDLs (ppb)
[illegible]									
Ortho-phosphate	9056	90-110 (nom.)	90-110 (nom.)	0-25 (nom.)	0-25 (nom.)	1000	50	870	43.5
Sulfate	9056	90-110 (nom.)	90-110 (nom.)	0-25 (nom.)	0-25 (nom.)	10000	1000	457	45.7

1. Represented as Relative Percent Difference
2. Accuracy is determined by Laboratory Control Samples and Matrix Spike/Matrix Spike Duplicates.
3. Accuracy for MS/MSD only applies when the spike is > 2X the native analyte concentration.
4. Practical Quantitation Limits (PQLs) can increase based on percent water content and/or dilution factors.
5. For semivolatile analysis, <10% of the compounds may use wider windows of 40-160% recovery and 60% RPD.

Appendix D

Analytical Report Data Tables

D.1 Ground-Water Samples
D.2 Surface Water Samples
D.3 Sediment Samples
D.4 Leachate Station Seep Sample
D.5 Diffusion Samples

Appendix D.1

Ground-Water Samples

APPENDIX D.1

SAMPLE KEY – SITE 9
NAVAL AIR STATION, BRUNSWICK, MAINE

Sample Designation	Sample Station
Monitoring Wells	
BN-19-S9-MW069	MW-NASB-069
BN-19-S9-XDUP1	MW-NASB-069 - Duplicate
BN-19-S9-MW070	MW-NASB-070
BN-19-S9-MW071	MW-NASB-071
BN-19-S9-MW072	MW-NASB-072
BN-19-S9-MW074	MW-NASB-074
BN-19-S9-MW075	MW-NASB-075
BN-19-S9-MW076	MW-NASB-076
BN-19-S9-MW079	MW-NASB-079
BN-19-S9-MW080	MW-NASB-080
BN-19-S9-MW021	MW-NASB-021
BN-19-S9-XD2	MW-NASB-076 Duplicate
BN-19-S9-MW022	MW-NASB-022
BN-19-S9-MW227	MW-NASB-227
Trip Blank	
NASB-TB01	QT-01

WR 3609

Katahdin ANALYTICAL SERVICES
340 County Road No 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
ENGINEERING, SCIENCE & TECHNOLOGY	Al Easterday	(781) 275-5546	(781) 275-7253

Address 175 Middlesex Turnpike City BEDFORD State MA Zip Code 01730

Purchase Order # 2960047.1507 Proj. Name / No. Brunswick Site 09 LTM Katahdin Quote #

Bill (if different than above) SAME Address

Sampler (Print / Sign) Samuel Whitin Copies To: Al Easterday

LAB USE ONLY WORK ORDER #: WR3642 ; WR3644

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y☑N VOC by 8260	Filt. ☐Y☑N VOC by 8260B Modified SIM	Filt. ☐Y☐N TAL Metals	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
	BN-19-59-MW021	10/25/01 1035	H_2O	3	3									
	BN-19-59-MW080	/ 1145		3	3									
	BN-19-59-MW071	/ 1405		3	3									
	BN-19-59-MW076	/ 1520		3		3								
	BN-19-59-MW075	10/26/01 1025		3	3									
	BN-19-59-MW074	/ 1140		3	3									
	BN-19-59-MW022	/ 1045		3	3									
	BN-19-59-MW072	/ 1155		3	3									
	BN-19-59-X02	/ XXX		3		3								
	BN-19-59-QD021	/ 1300		~~3~~ 4	3		1							
	BN-19-59-QT02	10/25/01 0900		3	3									
	BN-19-59-DS021S	10/25/01 / 0930		3	3									
	~~BN-19-59-DS021M~~	/												
	BN-19-59-DS021D	10/25/01 / 0940		3	3									
	BN-19-59-DS072S	10/25/01 / 1105		3	3									
	BN-19-59-DS072D	10/25/01 / 1105	V	3	3									

COMMENTS
BN-19-59-DS071S 10/25/01 / 1300 H_2O ~~X~~ @ ~~X~~
MS/MSD 5 5

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	10/26/01 1550	Angela M. Kainer			10/26 1510
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOLUTIONS INC. (800) 722-3311

WR3609

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
EA ENGINEERING, SCIENCE & TECHNOLOGY	AL EASTERDAY	(781) 275-8846	(781) 275-7253

Address: 175 MIDDLESEX TURNPIKE City: BEDFORD State: MA Zip Code: 01730

Purchase Order #: 2960047.1507 Proj. Name / No.: BRUNSWICK NAS Site 09 Katahdin Quote #:

Bill (if different than above): SAME Address:

Sampler (Print / Sign): Copies To: AL EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642, WR3649, KATAHDIN PROJECT MANAGER: WR3A5

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC By 8260 (Filt. ☐Y ☐N)	VOC By 8260B mod SIM (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	BN-19-S9-DS071S	10/26/01 1300	H_2O	3	3									
	BN-19-S9-DS071M	/ 1305		3	3									
	BN-19-S9-DS071D	/ 1310		3	3									
	BN-19-S9-XD1D	/ —		3	3									
	BN-19-S9-DS076S	/ 1420		3		3								
	BN-19-S9-DS076M	/ 1425		3		3								
	BN-19-S9-DS076D	/ 1430		3		3								
	BN-19-S9-XD1M	/ —		3		3								
	BN-19-S9-DS075S	10/26/01 0915		3	3									
	BN-19-S9-DS075M	/ 0920		3	3									
	BN-19-S9-DS075D	/ 0925		3	3									
	BN-19-S9-PS074S	/ 1035		3	3									
	BN-19-S9-DS074M	/ 1040		3	3									
	BN-19-S9-DS074D	/ 1045		3	3									
	BN-19-S9-DS022S	/ 0920		3	3									
	BN-19-S9-DS022M	/ 0922		3	3									
	BN-19-S9-DS022D	/ 0924	H_2O	3	3									

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1550	[signature]			[signature] 10/26 1535
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-1
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/27/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2-METHYLPHENOL	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
4-METHYLPHENOL	<10	ug/L	1.0	10	10
N-NITROSODI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHAN	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	<10	ug/L	1.0	10	10
4-CHLOROANILINE	<10	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
2-METHYLNAPHTHALENE	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2,4,5-TRICHLOROPHENOL	<25	ug/L	1.0	25	25
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
2-NITROANILINE	<25	ug/L	1.0	25	25
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
3-NITROANILINE	<25	ug/L	1.0	25	25
ACENAPHTHENE	<10	ug/L	1.0	10	10

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-1
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/27/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
DIBENZOFURAN	<10	ug/L	1.0	10	10
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	<10	ug/L	1.0	10	10
4-NITROANILINE	<25	ug/L	1.0	25	25
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
CARBAZOLE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHTHALATE	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	38	%	1.0		
PHENOL-D6	19	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-1
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/27/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	59	%	1.0		
2-FLUOROBIPHENYL	57	%	1.0		
2,4,6-TRIBROMOPHENOL	49	%	1.0		
TERPHENYL-D14	78	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-1
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	55	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	37	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

Sample Data Summary A0000002

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-1
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	91	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	112	%	1.0		
1,2-DICHLOROETHANE-D4	96	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-MW069

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3609-001

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	1960		N	P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	19.8			P	1
7440-41-7	BERYLLIUM	0.43	B		P	1
7440-43-9	CADMIUM	1.7	B		P	1
7440-70-2	CALCIUM	7530			P	1
7440-47-3	CHROMIUM	34.9			P	1
7440-48-4	COBALT	3.2	B		P	1
7440-50-8	COPPER	11.9	B		P	1
7439-89-6	IRON	4510			P	1
7439-92-1	LEAD	3.4	B		P	1
7439-95-4	MAGNESIUM	3800			P	1
7439-96-5	MANGANESE	521			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	23.8	B		P	1
7440-09-7	POTASSIUM	2210			P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	58400			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	8.5	B		P	1
7440-66-6	ZINC	15.3	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-3
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDUP1	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2-METHYLPHENOL	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
4-METHYLPHENOL	<10	ug/L	1.0	10	10
NITROSODI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHAN	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	<10	ug/L	1.0	10	10
4-CHLOROANILINE	<10	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
2-METHYLNAPHTHALENE	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2,4,5-TRICHLOROPHENOL	<25	ug/L	1.0	25	25
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
2-NITROANILINE	<25	ug/L	1.0	25	25
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
3-NITROANILINE	<25	ug/L	1.0	25	25
ACENAPHTHENE	<10	ug/L	1.0	10	10

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-3
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDUP1	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
DIBENZOFURAN	<10	ug/L	1.0	10	10
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	<10	ug/L	1.0	10	10
4-NITROANILINE	<25	ug/L	1.0	25	25
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
CARBAZOLE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHTHALATE	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	39	%	1.0		
PHENOL-D6	23	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-3
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDUP1	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	64	%	1.0		
2-FLUOROBIPHENYL	54	%	1.0		
2,4,6-TRIBROMOPHENOL	52	%	1.0		
TERPHENYL-D14	86	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-3
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDUP1	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	63	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	44	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-3
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDUP1	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	102	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	111	%	1.0		
1,2-DICHLOROETHANE-D4	96	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-XDUP1

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3609-003

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	161	B	N	P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	7.4			P	1
7440-41-7	BERYLLIUM	0.26	B		P	1
7440-43-9	CADMIUM	0.31	B		P	1
7440-70-2	CALCIUM	6090			P	1
7440-47-3	CHROMIUM	1.4	B		P	1
7440-48-4	COBALT	0.92	U		P	1
7440-50-8	COPPER	0.97	B		P	1
7439-89-6	IRON	542			P	1
7439-92-1	LEAD	2.3	B		P	1
7439-95-4	MAGNESIUM	2610			P	1
7439-96-5	MANGANESE	434			P	1
7439-97-6	MERCURY	0.05	B		CV	1
7440-02-0	NICKEL	3.5	B		P	1
7440-09-7	POTASSIUM	1610			P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	57400			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	1.3	B		P	1
7440-66-6	ZINC	3.9	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-2
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW070	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2-METHYLPHENOL	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
4-METHYLPHENOL	<10	ug/L	1.0	10	10
N-NITROSODI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHAN	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	<10	ug/L	1.0	10	10
4-CHLOROANILINE	<10	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
2-METHYLNAPHTHALENE	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2,4,5-TRICHLOROPHENOL	<25	ug/L	1.0	25	25
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
2-NITROANILINE	<25	ug/L	1.0	25	25
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
3-NITROANILINE	<25	ug/L	1.0	25	25
ACENAPHTHENE	<10	ug/L	1.0	10	10

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-2
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW070	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
DIBENZOFURAN	<10	ug/L	1.0	10	10
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	<10	ug/L	1.0	10	10
4-NITROANILINE	<25	ug/L	1.0	25	25
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
CARBAZOLE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHTHALATE	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	33	%	1.0		
PHENOL-D6	17	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-2
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW070	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	60	%	1.0		
2-FLUOROBIPHENYL	58	%	1.0		
2,4,6-TRIBROMOPHENOL	58	%	1.0		
TERPHENYL-D14	110	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-MW070

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3609-002

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	200	B	N	P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	20.1			P	1
7440-41-7	BERYLLIUM	0.18	U		P	1
7440-43-9	CADMIUM	0.45	B		P	1
7440-70-2	CALCIUM	9440			P	1
7440-47-3	CHROMIUM	7.0	B		P	1
7440-48-4	COBALT	1.1	B		P	1
7440-50-8	COPPER	69.9			P	1
7439-89-6	IRON	234			P	1
7439-92-1	LEAD	3.2	B		P	1
7439-95-4	MAGNESIUM	1080			P	1
7439-96-5	MANGANESE	1460			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	6.5	B		P	1
7440-09-7	POTASSIUM	877	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	12200			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	0.52	U		P	1
7440-66-6	ZINC	6.7	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-4
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW071	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-4
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW071	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	120	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-8
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW072	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	J1	ug/L	1.0	2.0	2.0
BROMOMETHANE	3	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-8
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW072	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	102	%	1.0		
TOLUENE-D8	99	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	102	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-6
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW074	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	7	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	J0.6	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-6
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW074	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	110	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	124	%	1 0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-5
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW075	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB1	ug/L	1.0	1.0	1.0
ACETONE	34	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-5
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW075	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		
1,2-DICHLOROETHANE-D4	125	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-1
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW076	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	2	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B3	ug/L	1.0	1.0	1.0
ACETONE	120	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	J0.6	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-1
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW076	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	104	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		
1,2-DICHLOROETHANE-D4	112	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-1
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW076	AQ	10/25/01	10/26/01	11/1/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	2	ug/L	1.0	0.15	0.15
DIBROMOFLUOROMETHANE	105	%	1.0		
1,2-DICHLOROETHANE-D4	106	%	1.0		
TOLUENE-D8	98	%	1.0		
P-BROMOFLUOROBENZENE	94	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-4
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW079	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2-METHYLPHENOL	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
4-METHYLPHENOL	<10	ug/L	1.0	10	10
N-NITROSODI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHAN	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	<10	ug/L	1.0	10	10
4-CHLOROANILINE	<10	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
2-METHYLNAPHTHALENE	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2,4,5-TRICHLOROPHENOL	<25	ug/L	1.0	25	25
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
2-NITROANILINE	<25	ug/L	1.0	25	25
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
3-NITROANILINE	<25	ug/L	1.0	25	25
ACENAPHTHENE	<10	ug/L	1.0	10	10

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-4
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW079	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
DIBENZOFURAN	<10	ug/L	1.0	10	10
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	<10	ug/L	1.0	10	10
4-NITROANILINE	<25	ug/L	1.0	25	25
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
CARBAZOLE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHTHALATE	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	39	%	1.0		
PHENOL-D6	20	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-4
SDG: BN19S9MW069
Report Date: 12/3/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 11/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW079	AQ	10/24/01	10/25/01	10/29/2001	CYD	SW3510	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	60	%	1.0		
2-FLUOROBIPHENYL	59	%	1.0		
2,4,6-TRIBROMOPHENOL	62	%	1.0		
TERPHENYL-D14	119	%	1.0		

eport Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-MW079

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3609-004

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	168	B	N	P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	6.2	B		P	1
7440-39-3	BARIUM	356			P	1
7440-41-7	BERYLLIUM	0.18	U		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	33500			P	1
7440-47-3	CHROMIUM	0.68	B		P	1
7440-48-4	COBALT	0.92	U		P	1
7440-50-8	COPPER	0.84	U		P	1
7439-89-6	IRON	29600			P	1
7439-92-1	LEAD	3.3	B		P	1
7439-95-4	MAGNESIUM	2230			P	1
7439-96-5	MANGANESE	144			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	2.8	B		P	1
7440-09-7	POTASSIUM	4160			P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	7430			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	0.60	B		P	1
7440-66-6	ZINC	3.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-3
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW080	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	9	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B3	ug/L	1.0	1.0	1.0
ACETONE	5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	J0.6	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-3
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW080	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	112	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	126	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-2
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW021	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Katahdin ANALYTICAL SERVICES

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-2
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW021	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
1,2-DICHLOROETHANE-D4	122	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-2
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD2	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	2	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	67	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	J0.7	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-2
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD2	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	103	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		
1,2-DICHLOROETHANE-D4	116	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-2DL
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD2	AQ	10/26/01	10/26/01	11/2/01	JEY	5030	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	2	ug/L	5.0	0.8	0.15
DIBROMOFLUOROMETHANE	106	%	5.0		
1,2-DICHLOROETHANE-D4	105	%	5.0		
TOLUENE-D8	112	%	5.0		
P-BROMOFLUOROBENZENE	100	%	5.0		

Report Notes: O-2

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-2
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD2	AQ	10/26/01	10/26/01	11/1/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	E2	ug/L	1.0	0.15	0.15
DIBROMOFLUOROMETHANE	101	%	1.0		
1,2-DICHLOROETHANE-D4	104	%	1.0		
TOLUENE-D8	91	%	1.0		
P-BROMOFLUOROBENZENE	87	%	1.0		

Report Notes: E

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-7
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW022	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-7
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW022	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	106	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	119	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-5
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	4	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	3	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	J0.7	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-5
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	98	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	100	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-13
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
NASB-TB-01	AQ	10/23/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	JB4	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
OTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-13
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
NASB-TB-01	AQ	10/23/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	101	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		
1,2-DICHLOROETHANE-D4	106	%	1.0		

Report Notes: B, J

Appendix D.2

Surface Water Samples

APPENDIX D.2

SAMPLE KEY – SITE 9
NAVAL AIR STATION, BRUNSWICK, MAINE

Sample Designation	Sample Station
Surface Water Samples	
BN-10-S9-SW010	SW-010
Trip Blank	
BN-19-S9-QT7	QT-07
Equipment Rinsate Blank	
BN-19-EP-QS001SW	EP-QS-001SW
Source Water Blank	
BN-19-S9-QD001	S9-QD-001
* Sample designation should be BN-19-S9-SW010.	

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.thielsch.com

CHAIN OF CUSTODY

Page ____ of ____

Turn Time ___ Standard (2 Weeks) Other _____
If faster than 5 days, prior approval by laboratory is required # _____

Electronic Deliverables ___ Yes ___ No

ESS LAB PROJECT ID

State where samples were collected from:
MA RI CT NH NJ NY ME USACE Other _____

Formats _____

Special Detection Limits

Co. Name: EA	Project #: 29600.47.1507	Project Name (20 Char or less):	
Contact Person: Al Easterday	Address: 175 Middlesex Tpke		
City: Bedford	State: MA	Zip: 01730	PO#:
Telephone #: 781 275-8846	Fax #: 781-275-7253	Email Address:	

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char or less)	Number of Containers	Type of Containers	VOC	% Solids
	11/09/01	1300		x	SW	BN-19-S9-SW010 MS/MSD	3		✓	
	11/09/01	1330		x	SW	BN-19-S9-LT901	3		✓	
	11/09/01	—		x	SW	BN-19-S9-LTXD1	3		✓	
	11/09/01	1350		x		BN-19-S9-QT7	3		✓	
	11/09/01	1300		x	S	BN-19-S9-SD010 MS/MSDx3	5		✓	✓
	11/09/01	—		x	S	BN-19-S9-SDXD1	5		✓	✓
	11/09/01	1345		x		BN-19-S9-QS1	3		✓	

Analysis Required

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes ___ No
Seals Intact ___ Yes ___ No NA: _____
Cooler Temp: _____

Internal Use Only
[ ] Pickup
[ ] Technicians _____

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mark O Co	11/09/01 1540	[signature]				[signature]	11/09/01 1650
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

NK 3677

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA | Contact: Al Easterday | Phone #: (781) 275-8846 | Fax #: (781) 275 7353

Address: 175 Middlesex Turnpike | City: Bedford | State: MA | Zip Code: 01730

Purchase Order #: 2960047.1507 | Proj. Name / No.: NASB LTMP 19 | Katahdin Quote #:

Bill (if different than above): SAME | Address:

Sampler (Print / Sign): Brian Anderson / Brian Anderson | Copies To: Al Easterday

LAB USE ONLY | WORK ORDER #: WR3694 | KATAHDIN PROJECT MANAGER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC VOAs	HCL TAL Metals IRP HNO3	Filt. ☐Y☑N	Filt. ☐Y☑N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
	BN-19-EP-SW10	10/29/01/1330	Surface H2O	9	X			MS/MSD								
	BN-19-EP-SW11	10/29/01/1315	SW	3	X											
	BN-19-EP-SW12	10/29/01/1235	SW	3	X											
	BN-19-EP-SW13	10/29/01/1020	SW	3	X											
	BN-19-EP-SW14	10/29/01/1000	SW	3	X											
	BN-19-EP-SWDUP1	10/29/01/[redacted]	SW	3	X											
	BN-19-EP-SEEP11	10/29/01/1345	SW	3	X											
	BN-19-EP-QS001SW	10/29/01/1030	H2O	4	X	X										
	BN-19-EP-QT3	10/29/01/1000	H2O	3	X											
		/														
		/														
		/														
		/														
		/														
		/														
		/														

COMMENTS: SDG starts with BN-19-EP-SW10 and ends with BN-19-EP-QT3.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/31/01 1600	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	11/1/01 0815	[signature]			

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
E[redacted]NGINEERING, SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-7253

Address 175 Middlesex TURNPIKE City BEDFORD State MA Zip Code 01730

Purchase Order # 2960047.1507 Proj. Name / No. BRUNSWICK SITE 09 LTM Katahdin Quote #

Bill (if different than above) SAME Address

Sampler (Print / Sign) Samuel Whitin Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642 (WR3644)

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y☑N VOC by 8260	Filt. ☐Y☑N VOC by 8260 Modified SIM	Filt. ☐Y☐N TAL Metals	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
✓	BN-19-59-MW021	10/25/01 1035	H_2O	3	3									
✓	BN-19-59-MW080	/ 1145		3	3									
✓	BN-19-59-MW071	/ 1405		3	3									
[redacted]	-19-59-MW076	/ 1520		3		3								
✓	BN-19-59-MW075	10/26/01 1025		3	3									
✓	BN-19-59-MW074	/ 1140		3	3									
✓	BN-19-59-MW022	/ 1045		3	3									
✓	BN-19-59-MW072	/ 1155		3	3									
	BN-19-59-X02	/ XXX		3		3								
	BN-19-59-QD001	/ 1300		~~3~~ 4	3		1							
✓	BN-19-59-QT02	10/25/01 0900		3	3									
✓	BN-19-59-DS021S	10/25/01 0930		3	3									
	~~BN-19-59-DS021M~~	/												
✓	BN-19-59-DS021D	10/25/01 0940		3	3									
✓	BN-19-59-DS072S	10/26/01 1105		3	3									
✓	BN-19-59-DS072D	10/26/01 1109		3	3									

COMMENTS

BN-19-59-DS071S MS/MSD 10/25/01 1300 H_2O ~~X~~ 5 ~~X~~ 5

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1550	Angela M. [signature]			[signature] 10/26 1510
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
EA ENGINEERING, SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-7[illegible]

Address: 175 MIDDLESEX TURNPIKE City: BEDFORD State: MA Zip Code: 01730

Purchase Order #: 2960047.1507 Proj. Name / No.: BRUNSWICK NAS Site 09 Katahdin Quote #:

Bill (if different than above): SAME Address:

Sampler (Print / Sign): Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642, WR3644, WR3645

KATAHDIN PROJECT MANAGER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C _____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC By 8260 (Filt. ☐Y ☑N)	VOC By 8260B mod SIM (Filt. ☐Y ☑N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
✓	BN-19-59-DS071S	10/25/01 / 1300	H_2O	3	3									
✓	BN-19-59-DS071M	/ 1305		3	3									
✓	BN-19-59-DS071D	/ 1310		3	3									
✓	BN-19-59-XD1D	/ —		3	3									
	BN-19-59-DS076S	/ 1420		3		3 ✓								
	BN-19-59-DS076M	/ 1425		3		3 ✓								
	BN-19-59-DS076D	/ 1430		3		3 ✓								
	BN-19-59-XD1M	/ —		3		3 ✓								
✓	BN-19-59-DS075S	10/26/01 / 0915		3	3									
✓	BN-19-59-DS075M	/ 0920		3	3									
✓	BN-19-59-DS075D	/ 0925		3	3									
	BN-19-59-DS074S	/ 1035		3	3									
	BN-19-59-DS074M	/ 1040		3	3									
	BN-19-59-DS074D	/ 1045		3	3									
	BN-19-59-DS022S	/ 0920		3	3									
	BN-19-59-DS022M	/ 0922		3	3									
	BN-19-59-DS022D	/ 0924	H_2O	3	3									

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1530	[signature]			[signature] 10/26 1535
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-1
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-10-S9-SW010	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	J3	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	J0.7	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-1
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-10-S9-SW010	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	97	%	1.0		
TOLUENE-D8	99	%	1.0		
P-BROMOFLUOROBENZENE	92	%	1.0		
1,2-DICHLOROETHANE-D4	101	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-4
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QT7	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B1	ug/L	1.0	1.0	1.0
ACETONE	J4	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-4
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QT7	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	96	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	91	%	1.0		
1,2-DICHLOROETHANE-D4	103	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3699-9
SDG: WR3699
Report Date: 12/5/01
PO No. : 29600.47.1507
Project: NASB LTMP19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-EP-QS001SW	AQ	10/29/01	11/1/01	11/8/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	JB3	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3699-9
SDG: WR3699
Report Date: 12/5/01
PO No. : 29600.47.1507
Project: NASB LTMP19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-EP-QS001SW	AQ	10/29/01	11/1/01	11/8/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	98	%	1.0		
TOLUENE-D8	90	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	86	%	1.0		

Report Notes: B, J

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-EP-QS001SW

Matrix: WATER **SDG Name:** WR3699

Percent Solids: 0.00 **Lab Sample ID:** WR3699-009

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	59.6	B		P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	1.2	B		P	1
7440-41-7	BERYLLIUM	0.23	B		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	8080			P	1
7440-47-3	CHROMIUM	0.57	U		P	1
7440-48-4	COBALT	0.92	U		P	1
7440-50-8	COPPER	0.84	U		P	1
7439-89-6	IRON	16.46	U		P	1
7439-92-1	LEAD	2.0	B		P	1
7439-95-4	MAGNESIUM	1290			P	1
7439-96-5	MANGANESE	4.0	B		P	1
7439-97-6	MERCURY	0.06	B		CV	1
7440-02-0	NICKEL	1.4	B		P	1
7440-09-7	POTASSIUM	823	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1
7440-23-5	SODIUM	5460			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	0.52	U		P	1
7440-66-6	ZINC	1.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: none

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
1,2-DICHLOROETHANE-D4	117	%	1.0		

Report Notes: none

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-QD001

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3642-007

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	21.39	U		P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	1.15	U		P	1
7440-41-7	BERYLLIUM	0.41	U		P	1
7440-43-9	CADMIUM	2.84	U		P	1
7440-70-2	CALCIUM	7970			P	1
7440-47-3	CHROMIUM	4.81	U		P	1
7440-48-4	COBALT	3.89	U		P	1
7440-50-8	COPPER	1.66	U		P	1
7439-89-6	IRON	17.5	B		P	1
7439-92-1	LEAD	3.0	B		P	1
7439-95-4	MAGNESIUM	1310			P	1
7439-96-5	MANGANESE	5.0	B		P	1
7439-97-6	MERCURY	0.03	B		CV	1
7440-02-0	NICKEL	8.1	B		P	1
7440-09-7	POTASSIUM	810	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	5990			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	4.66	U		P	1
7440-66-6	ZINC	3.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

Appendix D.3

Sediment Samples

APPENDIX D.3

SAMPLE KEY – SITE 9
NAVAL AIR STATION, BRUNSWICK, MAINE

Sample Designation	Sample Station
Sediment Samples	
BN-19-S9-SD010	SED-010
BN-19-S9-SDXD1	SED-010 - Duplicate
Equipment Rinsate Blank	
BN-19-S9-QS1	S9-QS-001SD
Source Water Blank	
BN-19-S9-QD001	S9-QD001
BN-19-S1-QD001	S1-QD001

WK 3015

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.thielsch.com

WC3615

CHAIN OF CUSTODY

Page ____ ____

Turn Time ___ Standard (2 Weeks) Other ____
If faster than 5 days, prior approval by laboratory is required # ____

Electronic Deliverables ___ Yes ___ No

ESS LAB PROJECT ID

State where samples were collected from:
MA RI CT NH NJ NY ME USACE Other ____

Formats ____

Special Detection Limits

Co. Name: EA
Project #: 29600.47.1507
Project Name (20 Char or less):
Contact Person: Al Easterday
Address: 175 Middlesex Tpke
City: Bedford State: MA Zip: 01730
PO#:
Telephone #: 781 275-8846
Fax #: 781-275-7253
Email Address:

Analysis Required: VOC, % Solids

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char or less)	Number of Containers	Type of Containers	VOC	% Solids
	11/09/01	1300		x	SW	BN-19-SA-SW010 MS/MSD	3		✓	
	11/09/01	1330		x	SW	BN-19-SA-LT901	3		✓	
	11/09/01	—		x	SW	BN-19-SA-LTXD1	3		✓	
	11/09/01	1250		x		BN-19-SA-QT7	3		✓	
	11/09/01	1300		x	S	BN-19-SA-SD010 MS/MSDx3	5		✓	✓
	11/09/01	—		x	S	BN-19-SA-SDXD1	5		✓	✓
	11/09/01	1345		x		BN-19-SA-QS1	3		✓	

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes ___ No
Seals Intact ___ Yes ___ No NA: ____
Cooler Temp: ____

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mark O'C	11/09/01 1540	[signature]				[signature]	11/09/01 1650
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
E[redacted]NGINEERING, SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-7253

Address 175 Middlesex TURNPIKE City BEDFORD State MA Zip Code 01730

Purchase Order # 2960047.1507 Proj. Name / No. BRUNSWICK SITE 09 LTM Katahdin Quote #

Bill (if different than above) SAME Address

Sampler (Print / Sign) Samuel Whitin Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642 (WR3644)

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y☑N VOC by 8260	Filt. ☐Y☑N VOC by 8260 Modified SIM	Filt. ☐Y☐N TAL Metals	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
✓	BN-19-S9-MW021	10/25/01/1035	H_2O	3	3									
✓	BN-19-S9-MW080	/1145		3	3									
✓	BN-19-S9-MW071	/1405		3	3									
[redacted]	-19-S9-MW076	/1520		3		3								
✓	BN-19-S9-MW075	10/26/01/1025		3	3									
✓	BN-19-S9-MW074	/1140		3	3									
✓	BN-19-S9-MW022	/1045		3	3									
✓	BN-19-S9-MW072	/1155		3	3									
	BN-19-S9-X02	/XXX		3		3								
	BN-19-S9-QD001	/1300		~~3~~ 4	3		1							
✓	BN-19-S9-QT02	10/25/01/0900		3	3									
✓	BN-19-S9-DS021S	10/25/01/0930		3	3									
	~~BN-19-S9-DS021M~~	/												
✓	BN-19-S9-DS021D	10/25/01/0940		3	3									
✓	BN-19-S9-DS072S	10/26/01/1105		3	3									
✓	BN-19-S9-DS072D	10/26/01/1109		3	3									

COMMENTS
BN-19-S9-DS071S MS/MSD 10/25/01/1300 H_2O ~~X~~ 5 ~~X~~ 5

[redacted]uished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	10/26/01 1550	Angela M. Pinner			10/26 1510
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA ENGINEERING, SCIENCE + TECHNOLOGY
Contact: AI EASTERDAY
Phone #: (781) 275-8846
Fax #: (781) 275-7[illegible]

Address: 175 MIDDLESEX TURNPIKE
City: BEDFORD
State: MA
Zip Code: 01730

Purchase Order #: 2960047.1507
Proj. Name / No.: BRUNSWICK NAS SITE 09
Katahdin Quote #:

Bill (if different than above): SAME
Address:

Sampler (Print / Sign):
Copies To: AI EASTERDAY

LAB USE ONLY
WORK ORDER #: WR3642, (WR3644)
KATAHDIN PROJECT MANAGER: WR3645

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y☐N VOC By 8260	Filt. ☐Y☐N VOC By 8260B mod SIM	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
✓	BN-19-59-DS071S	10/25/01 / 1300	H_2O	3	3									
✓	BN-19-59-DS071M	/ 1305		3	3									
✓	BN-19-59-DS071D	/ 1310		3	3									
✓	BN-19-59-XD1D	/ —		3	3									
	BN-19-59-DS076S	/ 1420		3		3 ✓								
	BN-19-59-DS076M	/ 1425		3		3 ✓								
	BN-19-59-DS076D	/ 1430		3		3 ✓								
	BN-19-59-XD1M	/ —		3		3 ✓								
✓	BN-19-59-DS075S	10/26/01 / 0915		3	3									
✓	BN-19-59-DS075M	/ 0920		3	3									
✓	BN-19-59-DS075D	/ 0925		3	3									
	BN-19-59-DS074S	/ 1035		3	3									
	BN-19-59-DS074M	/ 1040		3	3									
	BN-19-59-DS074D	/ 1045		3	3									
	BN-19-59-DS022S	/ 0920		3	3									
	BN-19-59-DS022M	/ 0922		3	3									
	BN-19-59-DS022D	/ 0924	H_2O	3	3									

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1530	[signature]			[signature] 10/26 1535
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA
Contact: Al Easterday
Phone #: (781) 275-8846
Fax #: (781) 275-7253
Address: 175 Middlesex Turnpike
City: Bedford
State: MA
Zip Code: 01730
Purchase Order #: 2960047.4507
Proj. Name / No.: NASB LTMP 19
Katahdin Quote #:
Bill (if different than above): SAME
Address:
Sampler (Print / Sign): Brian Andersen / Brian D. Andersen
Copies To: Al Easterday

LAB USE ONLY
WORK ORDER #: WR 3696
KATAHDIN PROJECT MANAGER:
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC (Filt. ☐Y ☒N) VOAs HCL	TAL Metals (Filt. ☐Y ☒N) HNO3	Pesticides 8081 (Filt. ☐Y ☒N) None	TOC (Filt. ☐Y ☐N) H2SO4	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)
	BN-19-S1-SW9	10/30/01 / 1000	Surface Ground Water	4	X	X								
	BN-19-S1-SW8	10/30/01 / 1015	SW	4	X	X								
	BN-19-S1-SW7	10/30/01 / 1030	SW	4	X	X								
	BN-19-S1-SW4	10/30/01 / 1055	SW	4	X	X								
	BN-19-S1-SWXD1	10/30/01 / —	SW	4	X	X								
	BN-19-S1-SP1	10/30/01 / 1110	SW	4	X	X								
	BN-19-S1-SP9	10/30/01 / 1135	SW	12	X	X		MS/MSD						
	BN-19-S1-SPXD1	10/30/01 / —	SW	4	X	X								
	BN-19-S1-QD001	10/31/01 / 1500	H2O	4			X	X						
	BN-19-S1-QS002SD	10/31/01 / 1515	H2O	8	X	X	X	X						
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS: SDG Starts with BN-19-S1-SW9 and ends with QS002SD.
Associated Trip = QT3

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	10/31/01 1600	Amy Adams			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	11/1/01 0815				

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-6DL
SDG: WR3815
Report Date: 12/7/01
PO No.: 29600.47.1507
Project: NASB LTMP 19
% Solids: 76
Method: EPA 8260
Date Analyzed: 11/16/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SD010	SL	11/9/01	11/9/01	11/16/01	JEY	5035	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<110	ug/Kgdrywt	54	110	2.0
BROMOMETHANE	400	ug/Kgdrywt	54	110	2.0
VINYL CHLORIDE	<110	ug/Kgdrywt	54	110	2.0
CHLOROETHANE	<110	ug/Kgdrywt	54	110	2.0
METHYLENE CHLORIDE	B480	ug/Kgdrywt	54	54	1.0
ACETONE	J240	ug/Kgdrywt	54	270	5
CARBON DISULFIDE	<54	ug/Kgdrywt	54	54	1.0
1,1-DICHLOROETHENE	<54	ug/Kgdrywt	54	54	1.0
1,1-DICHLOROETHANE	<54	ug/Kgdrywt	54	54	1.0
TOTAL 1,2-DICHLOROETHENE	<54	ug/Kgdrywt	54	54	1.0
CHLOROFORM	<54	ug/Kgdrywt	54	54	1.0
1,2-DICHLOROETHANE	<54	ug/Kgdrywt	54	54	1.0
2-BUTANONE	<270	ug/Kgdrywt	54	270	5
1,1,1-TRICHLOROETHANE	<54	ug/Kgdrywt	54	54	1.0
CARBON TETRACHLORIDE	<54	ug/Kgdrywt	54	54	1.0
BROMODICHLOROMETHANE	<54	ug/Kgdrywt	54	54	1.0
1,2-DICHLOROPROPANE	<54	ug/Kgdrywt	54	54	1.0
CIS-1,3-DICHLOROPROPENE	<54	ug/Kgdrywt	54	54	1.0
TRICHLOROETHENE	<54	ug/Kgdrywt	54	54	1.0
DIBROMOCHLOROMETHANE	<54	ug/Kgdrywt	54	54	1.0
1,1,2-TRICHLOROETHANE	<54	ug/Kgdrywt	54	54	1.0
BENZENE	<270	ug/Kgdrywt	54	270	5.0
TRANS-1,3-DICHLOROPROPENE	<54	ug/Kgdrywt	54	54	1.0
BROMOFORM	<54	ug/Kgdrywt	54	54	1.0
4-METHYL-2-PENTANONE	<160	ug/Kgdrywt	54	160	3
2-HEXANONE	<220	ug/Kgdrywt	54	220	4
TETRACHLOROETHENE	<54	ug/Kgdrywt	54	54	1.0
1,1,2,2-TETRACHLOROETHANE	<54	ug/Kgdrywt	54	54	1.0
TOLUENE	<270	ug/Kgdrywt	54	270	5.0
CHLOROBENZENE	<54	ug/Kgdrywt	54	54	1.0
ETHYLBENZENE	<270	ug/Kgdrywt	54	270	5.0
STYRENE	<54	ug/Kgdrywt	54	54	1.0
TOTAL XYLENES	<270	ug/Kgdrywt	54	270	5.0

Report Notes: B, J, O-2

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-6DL
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: 76
Method: EPA 8260
Date Analyzed: 11/16/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SD010	SL	11/9/01	11/9/01	11/16/01	JEY	5035	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<54	ug/Kgdrywt	54	54	1.0
1,3-DICHLOROBENZENE	<54	ug/Kgdrywt	54	54	1.0
1,4-DICHLOROBENZENE	<54	ug/Kgdrywt	54	54	1.0
DIBROMOFLUOROMETHANE	106	%	54		
TOLUENE-D8	101	%	54		
P-BROMOFLUOROBENZENE	98	%	54		
1,2-DICHLOROETHANE-D4	104	%	54		

Report Notes: B, J, O-2

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-6
SDG: WR3815
Report Date: 12/7/01
PO No.: 29600.47.1507
Project: NASB LTMP 19
% Solids: 76
Method: EPA 8260
Date Analyzed: 11/15/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SD010	SL	11/9/01	11/9/01	11/15/01	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2	ug/Kg	1.0	2	2.0
BROMOMETHANE	<2	ug/Kg	1.0	2	2.0
VINYL CHLORIDE	<2	ug/Kg	1.0	2	2.0
CHLOROETHANE	<2	ug/Kg	1.0	2	2.0
METHYLENE CHLORIDE	B88	ug/Kg	1.0	1	1.0
ACETONE	BE540	ug/Kg	1.0	5	5
CARBON DISULFIDE	2	ug/Kg	1.0	1	1.0
1,1-DICHLOROETHENE	<1	ug/Kg	1.0	1	1.0
1,1-DICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/Kg	1.0	1	1.0
CHLOROFORM	J0.8	ug/Kg	1.0	1	1.0
1,2-DICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
2-BUTANONE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
CARBON TETRACHLORIDE	<1	ug/Kg	1.0	1	1.0
BROMODICHLOROMETHANE	<1	ug/Kg	1.0	1	1.0
1,2-DICHLOROPROPANE	<1	ug/Kg	1.0	1	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.0	1	1.0
TRICHLOROETHENE	J0.8	ug/Kg	1.0	1	1.0
DIBROMOCHLOROMETHANE	J0.6	ug/Kg	1.0	1	1.0
1,1,2-TRICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
BENZENE	<5	ug/Kg	1.0	5	5.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.0	1	1.0
BROMOFORM	58	ug/Kg	1.0	1	1.0
4-METHYL-2-PENTANONE	<3	ug/Kg	1.0	3	3
2-HEXANONE	<4	ug/Kg	1.0	4	4
TETRACHLOROETHENE	<1	ug/Kg	1.0	1	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/Kg	1.0	1	1.0
TOLUENE	<5	ug/Kg	1.0	5	5.0
CHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
ETHYLBENZENE	<5	ug/Kg	1.0	5	5.0
STYRENE	<1	ug/Kg	1.0	1	1.0
TOTAL XYLENES	<5	ug/Kg	1.0	5	5.0

Report Notes: B, J, E

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-6
SDG: WR3815
Report Date: 12/7/01
PO No.: 29600.47.1507
Project: NASB LTMP 19
% Solids: 76
Method: EPA 8260
Date Analyzed: 11/15/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SD010	SL	11/9/01	11/9/01	11/15/01	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
1,3-DICHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
1,4-DICHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
DIBROMOFLUOROMETHANE	85	%	1.0		
TOLUENE-D8	90	%	1.0		
P-BROMOFLUOROBENZENE	80	%	1.0		
1,2-DICHLOROETHANE-D4	78	%	1.0		

Report Notes: B, J, E

Katahdin ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac Cert. No. E87604

Report of Analytical Results

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Lab Sample ID: WR3815-6
Report Date: 12/5/01 3:41:01 PM
PO No.: 29600.47.1507
Project: NASB LTMP 19
SDG:
Solids (%)

Sample Description	Matrix	Date Sampled	Date Received
BN-19-S9-SD010	SL	11/9/01	11/9/01

Parameter	Result	Adj. PQL	DF	PQL	Analytical Method	Analysis Date	By	Prep Method	Prep Date	By	Notes
Total Solids	76 %	0.10	1	0.10	CLP SOW 788	11/13/01	JF	CLP SOW 788	11/12/2001	JF	

Notes:

Revision: 0.00

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KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-7DL
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: 77
Method: EPA 8260
Date Analyzed: 11/16/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SDXD1	SL	11/9/01	11/9/01	11/16/01	JEY	5035	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<100	ug/Kgdrywt	50	100	2.0
BROMOMETHANE	430	ug/Kgdrywt	50	100	2.0
VINYL CHLORIDE	<100	ug/Kgdrywt	50	100	2.0
CHLOROETHANE	<100	ug/Kgdrywt	50	100	2.0
METHYLENE CHLORIDE	B1400	ug/Kgdrywt	50	50	1.0
ACETONE	260	ug/Kgdrywt	50	250	5
CARBON DISULFIDE	<50	ug/Kgdrywt	50	50	1.0
1,1-DICHLOROETHENE	<50	ug/Kgdrywt	50	50	1.0
1,1-DICHLOROETHANE	<50	ug/Kgdrywt	50	50	1.0
TOTAL 1,2-DICHLOROETHENE	<50	ug/Kgdrywt	50	50	1.0
CHLOROFORM	<50	ug/Kgdrywt	50	50	1.0
1,2-DICHLOROETHANE	<50	ug/Kgdrywt	50	50	1.0
2-BUTANONE	<250	ug/Kgdrywt	50	250	5
1,1,1-TRICHLOROETHANE	<50	ug/Kgdrywt	50	50	1.0
CARBON TETRACHLORIDE	<50	ug/Kgdrywt	50	50	1.0
BROMODICHLOROMETHANE	<50	ug/Kgdrywt	50	50	1.0
1,2-DICHLOROPROPANE	<50	ug/Kgdrywt	50	50	1.0
CIS-1,3-DICHLOROPROPENE	<50	ug/Kgdrywt	50	50	1.0
TRICHLOROETHENE	<50	ug/Kgdrywt	50	50	1.0
DIBROMOCHLOROMETHANE	<50	ug/Kgdrywt	50	50	1.0
1,1,2-TRICHLOROETHANE	<50	ug/Kgdrywt	50	50	1.0
BENZENE	<250	ug/Kgdrywt	50	250	5.0
TRANS-1,3-DICHLOROPROPENE	<50	ug/Kgdrywt	50	50	1.0
BROMOFORM	<50	ug/Kgdrywt	50	50	1.0
4-METHYL-2-PENTANONE	<150	ug/Kgdrywt	50	150	3
2-HEXANONE	<200	ug/Kgdrywt	50	200	4
TETRACHLOROETHENE	<50	ug/Kgdrywt	50	50	1.0
1,1,2,2-TETRACHLOROETHANE	<50	ug/Kgdrywt	50	50	1.0
TOLUENE	<250	ug/Kgdrywt	50	250	5.0
CHLOROBENZENE	<50	ug/Kgdrywt	50	50	1.0
ETHYLBENZENE	<250	ug/Kgdrywt	50	250	5.0
STYRENE	<50	ug/Kgdrywt	50	50	1.0
TOTAL XYLENES	<250	ug/Kgdrywt	50	250	5.0

Report Notes: B, O-2

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-7DL
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: 77
Method: EPA 8260
Date Analyzed: 11/16/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SDXD1	SL	11/9/01	11/9/01	11/16/01	JEY	5035	JEY

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<50	ug/Kgdrywt	50	50	1.0
1,3-DICHLOROBENZENE	<50	ug/Kgdrywt	50	50	1.0
1,4-DICHLOROBENZENE	<50	ug/Kgdrywt	50	50	1.0
DIBROMOFLUOROMETHANE	108	%	50		
TOLUENE-D8	103	%	50		
P-BROMOFLUOROBENZENE	100	%	50		
1,2-DICHLOROETHANE-D4	106	%	50		

Report Notes: B, O-2

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-7
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: 77
Method: EPA 8260
Date Analyzed: 11/15/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SDXD1	SL	11/9/01	11/9/01	11/15/01	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2	ug/Kg	1.0	2	2.0
BROMOMETHANE	<2	ug/Kg	1.0	2	2.0
VINYL CHLORIDE	<2	ug/Kg	1.0	2	2.0
CHLOROETHANE	<2	ug/Kg	1.0	2	2.0
METHYLENE CHLORIDE	B92	ug/Kg	1.0	1	1.0
ACETONE	BE560	ug/Kg	1.0	5	5
CARBON DISULFIDE	2	ug/Kg	1.0	1	1.0
1,1-DICHLOROETHENE	<1	ug/Kg	1.0	1	1.0
1,1-DICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
TOTAL 1,2-DICHLOROETHENE	1	ug/Kg	1.0	1	1.0
CHLOROFORM	J0.8	ug/Kg	1.0	1	1.0
1,2-DICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
2-BUTANONE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
CARBON TETRACHLORIDE	<1	ug/Kg	1.0	1	1.0
BROMODICHLOROMETHANE	<1	ug/Kg	1.0	1	1.0
1,2-DICHLOROPROPANE	<1	ug/Kg	1.0	1	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.0	1	1.0
TRICHLOROETHENE	<1	ug/Kg	1.0	1	1.0
DIBROMOCHLOROMETHANE	<1	ug/Kg	1.0	1	1.0
1,1,2-TRICHLOROETHANE	<1	ug/Kg	1.0	1	1.0
BENZENE	<5	ug/Kg	1.0	5	5.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.0	1	1.0
BROMOFORM	69	ug/Kg	1.0	1	1.0
4-METHYL-2-PENTANONE	<3	ug/Kg	1.0	3	3
2-HEXANONE	<4	ug/Kg	1.0	4	4
TETRACHLOROETHENE	<1	ug/Kg	1.0	1	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/Kg	1.0	1	1.0
TOLUENE	<5	ug/Kg	1.0	5	5.0
CHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
ETHYLBENZENE	<5	ug/Kg	1.0	5	5.0
STYRENE	<1	ug/Kg	1.0	1	1.0
TOTAL XYLENES	<5	ug/Kg	1.0	5	5.0

Report Notes: B, J, E

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-7
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: 77
Method: EPA 8260
Date Analyzed: 11/15/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-SDXD1	SL	11/9/01	11/9/01	11/15/01	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
1,3-DICHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
1,4-DICHLOROBENZENE	<1	ug/Kg	1.0	1	1.0
DIBROMOFLUOROMETHANE	83	%	1.0		
TOLUENE-D8	91	%	1.0		
P-BROMOFLUOROBENZENE	85	%	1.0		
1,2-DICHLOROETHANE-D4	76	%	1.0		

Report Notes: B, J, E

Katahdin ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac Cert. No. E87604

Report of Analytical Results

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Lab Sample ID: WR3815-7
Report Date: 12/5/01 3:41:01 PM
PO No.: 29600.47.1507
Project: NASB LTMP 19
SDG:
Solids (%)

Sample Description	Matrix	Date Sampled	Date Received
BN-19-S9-SDXD1	SL	11/9/01	11/9/01

Parameter	Result	Adj. PQL	DF	PQL	Analytical Method	Analysis Date	By	Prep Method	Prep Date	By	Notes
Total Solids	77 %	0.10	1	0.10	CLP SOW 788	11/13/01	JF	CLP SOW 788	11/12/2001	JF	

Notes:

Revision: 0.00

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KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-5
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QS1	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-5
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QS1	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	94	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	95	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: none

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
1,2-DICHLOROETHANE-D4	117	%	1.0		

Report Notes: none

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-QD001

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3642-007

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	21.39	U		P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	1.15	U		P	1
7440-41-7	BERYLLIUM	0.41	U		P	1
7440-43-9	CADMIUM	2.84	U		P	1
7440-70-2	CALCIUM	7970			P	1
7440-47-3	CHROMIUM	4.81	U		P	1
7440-48-4	COBALT	3.89	U		P	1
7440-50-8	COPPER	1.66	U		P	1
7439-89-6	IRON	17.5	B		P	1
7439-92-1	LEAD	3.0	B		P	1
7439-95-4	MAGNESIUM	1310			P	1
7439-96-5	MANGANESE	5.0	B		P	1
7439-97-6	MERCURY	0.03	B		CV	1
7440-02-0	NICKEL	8.1	B		P	1
7440-09-7	POTASSIUM	810	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	5990			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	4.66	U		P	1
7440-66-6	ZINC	3.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Sample ID: WR3696-9
SDG: WR3696
Report Date: 12/05/2001
PO No.: 29600.47.1507
Project: NASB LTMP19
Percent Solids: N/A
Analytical Method: SW846 8081A

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method
BN-19-S1-QD001	Aqueous	10/31/2001	11/01/2001	11/06/2001	CYD	SW846 3510

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
alpha-BHC		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
gamma-BHC (Lindane)		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
Heptachlor		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
Aldrin		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
beta-BHC		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
delta-BHC		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
Heptachlor epoxide		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
Endosulfan I		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
4,4'-DDE		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
Dieldrin		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
Endrin		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
4,4'-DDD		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
Endosulfan II		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
4,4'-DDT		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
Endrin aldehyde		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
Endosulfan sulfate		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
Methoxychlor		< 0.50	ug/L	1.0	0.50	0.50	12/04/2001	GDL
Toxaphene		< 1.0	ug/L	1.0	1.0	1.0	12/04/2001	GDL
alpha-Chlordane		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
gamma-Chlordane		< 0.050	ug/L	1.0	0.050	0.050	12/04/2001	GDL
Endrin ketone		< 0.10	ug/L	1.0	0.10	0.10	12/04/2001	GDL
2,4,5,6-Tetrachloro-meta-xylene		59	%	1.0			12/04/2001	GDL
Decachlorobiphenyl		84	%	1.0			12/04/2001	GDL

Katahdin ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac Cert. No. E87604

Report of Analytical Results

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Lab Sample ID: WR3696-9
Report Date: 11/30/01 11:03:26 AM
PO No.: 29600.47.1507
Project: NASB LTMP19
SDG:
Solids (%) N/A

Sample Description	Matrix	Date Sampled	Date Received
BN-19-S1-QD001~	AQ	10/31/01	11/1/01

Parameter	Result	Adj. PQL	DF	PQL	Analytical Method	Analysis Date	By	Prep Method	Prep Date	By	Notes
Total Organic Carbon (TOC)	<1.0 mg/L	1.0	1	1	E415.1	11/26/01	KGT	N/A	N/A	N/A	

Notes:

Revision: 0.00

340 County Road No. 5
P.O.Box 720, Westbrook, ME 04098
Tel: (207) 874-2400 Fax: (207) 775-4029

http://katahdinlab.com

210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5777 Fax: (603) 436-3356

Appendix D.4

Leachate Station Seep Sample

APPENDIX D.4

SAMPLE KEY – SITE 9
NAVAL AIR STATION, BRUNSWICK, MAINE

Sample Designation	Sample Station
LT-901 (Seep) Samples	
BN-19-S9-LT901	LT-901
BN-19-S9-LTXD1	LT-901 - Duplicate
Trip Blank	
BN-19-S9-QT7	QT-07
Equipment Rinsate Blank	
BN-19-EP-QS001SW	EP-QS-001SW
Source Water Blank	
BN-19-S9-QD001	S9-QD-001

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.thielsch.com

CHAIN OF CUSTODY

Page ____ of ____

Turn Time ___ Standard (2 Weeks) Other _____
If faster than 5 days, prior approval by laboratory is required # _____

State where samples were collected from:
MA RI CT NH NJ NY ME USACE Other _____

Electronic Deliverables
___ Yes ___ No

Formats _____

ESS LAB PROJECT ID

Special Detection Limits

Co. Name: EA	Project #: 29600.47.1507	Project Name (20 Char or less):	
Contact Person: Al Easterday	Address: 175 Middlesex Tpke		
City: Bedford	State: MA	Zip: 01730	PO#:
Telephone #: 781 275-8846	Fax #: 781-275-7253	Email Address:	

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char or less)	Number of Containers	Type of Containers	VOC	% Solids
	11/09/01	1300		x	SW	BN-19-S9-SW010 MS/MSD	3		✓	
	11/09/01	1330		x	SW	BN-19-S9-LT901	3		✓	
	11/09/01	—		x	SW	BN-19-S9-LTXD1	3		✓	
	11/09/01	1250		x		BN-19-S9-QT7	3		✓	
	11/09/01	1300		x	S	BN-19-S9-SD010 MS/MSDx3	5		✓	✓
	11/09/01	—		x	S	BN-19-S9-SDXD1	5		✓	✓
	11/09/01	1345		x		BN-19-S9-QS1	3		✓	

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes ___ No
Seals Intact ___ Yes ___ No NA: _____
Cooler Temp: _____

Internal Use Only
[ ] Pickup
[ ] Technicians _____

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mark O Co	11/09/01 1540	[signature]				[signature]	11/09/01 1650
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

WR 3699

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA | Contact: Al Easteeday | Phone #: (781) 275-8846 | Fax #: (781) 275 7353

Address: 175 Middlesex Turnpike | City: Bedford | State: MA | Zip Code: 01730

Purchase Order #: 2960047.1507 | Proj. Name / No.: NASB LTMP 19 | Katahdin Quote #:

Bill (if different than above): SAME | Address:

Sampler (Print / Sign): Brian Anderson / Brian Anderson | Copies To: Al Easterday

LAB USE ONLY | WORK ORDER #: WR3699 | KATAHDIN PROJECT MANAGER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC VOA HCL (Filt. ☐Y ☒N)	TAL Metals 1LP HNO3 (Filt. ☐Y ☒N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)
	BN-19-EP-SW10	10/29/01/1330	Surface H2O	9	X			MS/MSD						
	BN-19-EP-SW11	10/29/01/1315	SW	3	X									
	BN-19-EP-SW12	10/29/01/1235	SW	3	X									
	BN-19-EP-SW13	10/29/01/1020	SW	3	X									
	BN-19-EP-SW14	10/29/01/1000	SW	3	X									
	BN-19-EP-SWDUP1	10/29/01/[redacted]	SW	3	X									
	BN-19-EP-SEEP11	10/29/01/1345	SW	3	X									
	BN-19-EP-QS001SW	10/29/01/1030	H2O	4	X	X								
	BN-19-EP-QT3	10/29/01/1000	H2O	3	X									
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS: SDG starts with BN-A-EP-SW10 and ends with BN-A-EP-QT3.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/31/01 1600	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	11/1/01 0815	[signature]			

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
E[redacted]NGINEERING, SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-7253

Address 175 Middlesex TURNPIKE City BEDFORD State MA Zip Code 01730

Purchase Order # 2960047.1507 Proj. Name / No. BRUNSWICK SITE 09 LTM Katahdin Quote #

Bill (if different than above) SAME Address

Sampler (Print / Sign) Samuel Whitin Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642, WR3644

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y☑N VOC by 8260	Filt. ☐Y☑N VOC by 8260 Modified SIM	Filt. ☐Y☐N TAL Metals	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
✓	BN-19-59-MW021	10/25/01 1035	H_2O	3	3									
✓	BN-19-59-MW080	1145		3	3									
✓	BN-19-59-MW071	1405		3	3									
[redacted]	-19-59-MW076	1520		3		3								
✓	BN-19-59-MW075	10/26/01 1025		3	3									
✓	BN-19-59-MW074	1140		3	3									
✓	BN-19-59-MW022	1045		3	3									
✓	BN-19-59-MW072	1155		3	3									
	BN-19-59-X02	1200		3		3								
	BN-19-59-QD001	1300		~~3~~ 4	3		1							
✓	BN-19-59-QT02	10/25/01 0900		3	3									
✓	BN-19-59-DS021S	10/25/01 0930		3	3									
	~~BN-19-59-DS021M~~													
✓	BN-19-59-DS021D	10/25/01 0940		3	3									
✓	BN-19-59-DS072S	10/26/01 1105		3	3									
✓	BN-19-59-DS072D	10/26/01 1109		3	3									

COMMENTS
BN-19-59-DS071S MS/MSD 10/25/01 1300 H_2O ~~X~~ 5 ~~X~~ 5

[redacted]uished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1550	Angela M [signature]			[signature] 10/26 1510
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA ENGINEERING, SCIENCE + TECHNOLOGY
Contact: AL EASTERDAY
Phone #: (781) 275-8846
Fax #: (781) 275-7[illegible]

Address: 175 MIDDLESEX TURNPIKE
City: BEDFORD
State: MA
Zip Code: 01730

Purchase Order #: 2960047.1507
Proj. Name / No.: BRUNSWICK NAS SITE 09
Katahdin Quote #:

Bill (if different than above): SAME
Address:

Sampler (Print / Sign):
Copies To: AL EASTERDAY

LAB USE ONLY
WORK ORDER #: WR3642 (WR3644)
KATAHDIN PROJECT MANAGER: WR3A5

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC By 8260 (Filt. ☐Y ☑N)	VOC By 8260B mod SIM (Filt. ☐Y ☑N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
✓	BN-19-59-DS071S	10/25/01 / 1300	H_2O	3	3									
✓	BN-19-59-DS071M	/ 1305		3	3									
✓	BN-19-59-DS071D	/ 1310		3	3									
✓	BN-19-59-XD1D	/ —		3	3									
	BN-19-59-DS076S	/ 1420		3		3 ✓								
	BN-19-59-DS076M	/ 1425		3		3								
	BN-19-59-DS076D	/ 1430		3		3 ✓								
	BN-19-59-XD1M	/ —		3		3 ✓								
✓	BN-19-59-DS075S	10/26/01 / 0915		3	3									
✓	BN-19-59-DS075M	/ 0920		3	3									
✓	BN-19-59-DS075D	/ 0925		3	3									
	BN-19-59-DS074S	/ 1035		3	3									
	BN-19-59-DS074M	/ 1040		3	3									
	BN-19-59-DS074D	/ 1045		3	3									
	BN-19-59-DS022S	/ 0920		3	3									
	BN-19-59-DS022M	/ 0922		3	3									
	BN-19-59-DS022D	/ 0924	H_2O	3	3									

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1550	[signature]			[signature] 10/26 1535
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-2
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-LT901	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-2
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-LT901	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	96	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	101	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-3
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-LTXD1	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.5	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-3
SDG: WR3815
Report Date: 12/7/01
PO No.: 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-LTXD1	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	94	%	1.0		
TOLUENE-D8	97	%	1.0		
P-BROMOFLUOROBENZENE	88	%	1.0		
1,2-DICHLOROETHANE-D4	96	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-4
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QT7	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B1	ug/L	1.0	1.0	1.0
ACETONE	J4	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3815-4
SDG: WR3815
Report Date: 12/7/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QT7	AQ	11/9/01	11/9/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	96	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	91	%	1.0		
1,2-DICHLOROETHANE-D4	103	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3699-9
SDG: WR3699
Report Date: 12/5/01
PO No. : 29600.47.1507
Project: NASB LTMP19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-EP-QS001SW	AQ	10/29/01	11/1/01	11/8/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2 0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	JB3	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1 0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3699-9
SDG: WR3699
Report Date: 12/5/01
PO No. : 29600.47.1507
Project: NASB LTMP19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-EP-QS001SW	AQ	10/29/01	11/1/01	11/8/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	98	%	1.0		
TOLUENE-D8	90	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	86	%	1.0		

Report Notes: B, J

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-EP-QS001SW

Matrix: WATER **SDG Name:** WR3699

Percent Solids: 0.00 **Lab Sample ID:** WR3699-009

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	59.6	B		P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	1.2	B		P	1
7440-41-7	BERYLLIUM	0.23	B		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	8080			P	1
7440-47-3	CHROMIUM	0.57	U		P	1
7440-48-4	COBALT	0.92	U		P	1
7440-50-8	COPPER	0.84	U		P	1
7439-89-6	IRON	16.46	U		P	1
7439-92-1	LEAD	2.0	B		P	1
7439-95-4	MAGNESIUM	1290			P	1
7439-96-5	MANGANESE	4.0	B		P	1
7439-97-6	MERCURY	0.06	B		CV	1
7440-02-0	NICKEL	1.4	B		P	1
7440-09-7	POTASSIUM	823	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1
7440-23-5	SODIUM	5460			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	0.52	U		P	1
7440-66-6	ZINC	1.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: none

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
,2-DICHLOROETHANE-D4	117	%	1.0		

Report Notes: none

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-QD001

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3642-007

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	21.39	U		P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	1.15	U		P	1
7440-41-7	BERYLLIUM	0.41	U		P	1
7440-43-9	CADMIUM	2.84	U		P	1
7440-70-2	CALCIUM	7970			P	1
7440-47-3	CHROMIUM	4.81	U		P	1
7440-48-4	COBALT	3.89	U		P	1
7440-50-8	COPPER	1.66	U		P	1
7439-89-6	IRON	17.5	B		P	1
7439-92-1	LEAD	3.0	B		P	1
7439-95-4	MAGNESIUM	1310			P	1
7439-96-5	MANGANESE	5.0	B		P	1
7439-97-6	MERCURY	0.03	B		CV	1
7440-02-0	NICKEL	8.1	B		P	1
7440-09-7	POTASSIUM	810	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	5990			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	4.66	U		P	1
7440-66-6	ZINC	3.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

Appendix D.5

Diffusion Samples

APPENDIX D.5

SAMPLE KEY – SITE 9
NAVAL AIR STATION, BRUNSWICK

Sample Designation	Sample Station
Diffusion Samples	
BN-19-S9-MW069-DF/S	MW-NASB-069 (shallow)
BN-19-S9-XD1S	MW-NASB-069 (shallow) – Duplicate
BN-19-S9-MW069-DF/M	MW-NASB-069 (mid)
BN-19-S9-XD1M	MW-NASB-076 (mid) -Duplicate
BN-19-S9-MW069-DF/D	MW-NASB-069 (deep)
BN-19-S9-DS071S	MW-NASB-071 (shallow)
BN-19-S9-DS071M	MW-NASB-071 (mid)
BN-19-S9-DS071D	MW-NASB-071 (deep)
BN-19-S9-XD1D	MW-NASB-071 (deep) - Duplicate
BN-19-S9-DS072S	MW-NASB-072 (shallow)
BN-19-S9-DS072D	MW-NASB-072 (deep)
BN-19-S9-DS074S	MW-NASB-074 (shallow)
BN-19-S9-DS074M	MW-NASB-074 (mid)
BN-19-S9-DS074D	MW-NASB-074 (deep)
BN-19-S9-DS075S	MW-NASB-075 (shallow)
BN-19-S9-DS075M	MW-NASB-075 (mid)
BN-19-S9-DS075D	MW-NASB-075 (deep)
BN-19-S9-DS076S	MW-NASB-076 (shallow)
BN-19-S9-DS076M	MW-NASB-076 (mid)
BN-19-S9-DS076D	MW-NASB-076 (deep)
BN-19-S9-DS021S	MW-NASB-021 (shallow)
BN-19-S9-DS021D	MW-NASB-021 (deep)
BN-19-S9-DS022S	MW-NASB-022 (shallow)
BN-19-S9-DS022M	MW-NASB-022 (mid)
BN-19-S9-DS022D	MW-NASB-022 (deep)
BN-19-S9-MW227-DF/S	MW-NASB-227 (shallow)
BN-19-S9-MW227-DF/M	MW-NASB-227 (mid)
BN-19-S9-MW227-DF/D	MW-NASB-227 (deep)
Trip Blank	
NASB-TB-01	QT-01
BN-19-S9-QT02	QT-02
Diffusion Rinse Blank	
BN-19-EP-DSRB1	DSRB-1
BN-19-S1-RB2	RB-2
Source Water Blank	
BN-19-S9-QD001	S9-QD-001

WR 3609

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
E[redacted]NGINEERING SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-7253

Address 175 Middlesex TURNPIKE City BEDFORD State MA Zip Code 01730

Purchase Order # 2960047.1507 Proj. Name / No. BRUNSWICK SITE 09 LTM Katahdin Quote #

Bill (if different than above) SAME Address

Sampler (Print / Sign) Samuel Whitin Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642, WR3644

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y☑N VOC by 8260	Filt. ☐Y☑N VOC by 8260 Modified SIM	Filt. ☐Y☐N TAL Metals	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
	BN-19-59-MW021	10/25/01 1035	H_2O	3	3									
	BN-19-59-MW080	1145		3	3									
	BN-19-59-MW071	1405		3	3									
	[redacted]-19-59-MW076	1520		3		3								
	BN-19-59-MW075	10/26/01 1025		3	3									
	BN-19-59-MW074	1140		3	3									
	BN-19-59-MW022	1045		3	3									
	BN-19-59-MW072	1155		3	3									
	BN-19-59-X02	XXX		3		3								
	BN-19-59-QD001	1300		~~3~~ 4	3		1							
	BN-19-59-QT02	10/25/01 0900		3	3									
	BN-19-59-DS021S	10/25/01 0930		3	3									
	~~BN-19-59-DS021M~~													
	BN-19-59-DS021D	10/25/01 0940		3	3									
	BN-19-59-DS072S	10/26/01 1105		3	3									
	BN-19-59-DS072D	10/26/01 1105		3	3									

COMMENTS
BN-19-59-DS071S 10/25/01 1300 H_2O ~~3~~ 5 ~~3~~ 5
MS/MSD

[redacted]uished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	10/26/01 1550	Angela M Frainer			10/26 1515
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

WR3609

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
EA ENGINEERING, SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-[illegible]

Address: 175 MIDDLESEX TURNPIKE City: BEDFORD State: MA Zip Code: 01730

Purchase Order #: 2960047.1507 Proj. Name / No.: BRUNSWICK NAS SITE 09 Katahdin Quote #:

Bill (if different than above): SAME Address:

Sampler (Print / Sign): Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642, WR3649, KATAHDIN PROJECT MANAGER: WR3A5

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N: VOC By 8260	Filt. ☐Y ☐N: VOC By 8260B mod SIM	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	BN-19-59-DS071S	10/26/01 1300	H_2O	3	3								
	BN-19-59-DS071M	/ 1305		3	3								
	BN-19-59-DS071D	/ 1310		3	3								
	BN-19-59-XD1D	/ —		3	3								
	BN-19-59-DS076S	/ 1420		3		3							
	BN-19-59-DS076M	/ 1425		3		3							
	BN-19-59-DS076D	/ 1430		3		3							
	BN-19-59-XD1M	/ —		3		3							
	BN-19-59-DS075S	10/26/01 0915		3	3								
	BN-19-59-DS075M	/ 0920		3	3								
	BN-19-59-DS075D	/ 0925		3	3								
	BN-19-59-DS074S	/ 1035		3	3								
	BN-19-59-DS074M	/ 1040		3	3								
	BN-19-59-DS074D	/ 1045		3	3								
	BN-19-59-DS022S	/ 0920		3	3								
	BN-19-59-DS022M	/ 0922		3	3								
	BN-19-59-DS022D	/ 0924	H_2O	3	3								

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1550	[signature]			[signature] 10/26 1535
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

WR 3786

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA Engineering | Contact: Al Easterday | Phone #: (781) 275-8846 | Fax #: (781) 275-7253

Address: 175 Middlesex Tpke | City: Bedford | State: MA | Zip Code: 01730

Purchase Order #: 2960.47 1507 | Proj. Name / No: Brunswick NAS Site 2 | Katahdin Quote #:

Bill (if different than above): Same | Address:

Sampler (Print / Sign): Samuel Whitin | Copies To: Al Easterday

LAB USE ONLY | WORK ORDER #: WR3786 | KATAHDIN PROJECT MANAGER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC by 8260	TAL Inorganics									
	BN-4-S2-MW242	11/09/01 0915	H_2O	11	9	2		MS/MSD							
	BN-4-S2-MW241	/1050		4	3	1									
	BN-4-S2-MW101	/ XX		4	3	1									
	BN-4-S2-MW104	/1025		4	3	1									
	BN-4-S2-MW243	/1120		4	3	1									
	BN-4-S2-MW103	/1210		4	3	1									
	BN-4-S2-QT6	/0900		4	3	1									
	~~BN-4~~ BN-4-S1-RB2	11/08/01 1215		3	3										
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: All samples are part of SDG BN-4-S2-MW242, which is now closed

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	11/10/01 1415	Amy Adams			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	11/10/01 1430				

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THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA Engineering, Science + Tech | Contact: Al Easterday | Phone #: (778) 275-8846 | Fax #: (781) 275-7253

Address: 175 Middlesex Tpke | City: Bedford | State: MA | Zip Code: 01730

Purchase Order #: 29600047.1507 | Proj. Name / No.: Brunswick NAS Eastern Plume | Katahdin Quote #:

Bill (if different than above): Same | Address:

Sampler (Print / Sign): Jennifer Nafus | Copies To: Al Easterday

LAB USE ONLY | WORK ORDER #: WR# 3765 + WR3766 | KATAHDIN PROJECT MANAGER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC by 8260 (TCL) Filt. ☐Y ☒N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	BN-19-EP-DS305S	11/05/01 0955	H_2O	3	3									
	BN-19-EP-DS305MD	/1005		3	3									
	BN-19-EP-DS332	/1605		3	3									
	BN-19-EP-DSXD2	/XXX		3	3									
	BN-19-EP-DS309B	11/06/01 0900		3	3									
	BN-19-EP-DS132S	11/05/01 1415		3	3									
	BN-19-EP-DS132M	/1420		3	3									
	BN-19-EP-DS132D	/1425		3	3									
	BN-19-EP-DS330S	/1410		3	3									
	BN-19-EP-DS330M	/1413		3	3									
	BN-19-EP-DS330D	/1415		3	3									
	BN-19-EP-DS311	/1620		3	3									
	BN-19-EP-DSXD3	/XXX		3	3									
	BN-19-EP-DS305M	/1000		3	3									
	BN-19-EP-DS308S	11/06/01 1030		3	3									
	BN-19-EP-DS308M	/1035		3	3									

COMMENTS: BN-19-EP-DS305S through BN-19-EP-DS309B are part of SDG BN-19-EP-DSXD1M which is now closed out. BN-19-EP-DS132S through BN-19-EP-DS308M are part of SDG BN-19-EP-DS224 which is still open.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[illegible]	11/07/01 1530	[illegible]			[illegible] 11/7 8:00
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC ☎ (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

WK 5 +6 +

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: EA Engineering | Contact: Al Easterday | Phone #: (781) 275-8846 | Fax #: (781) 225-7209

Address: 175 Middlesex Tpke | City: Bedford | State: MA | Zip Code: 01730

Purchase Order #: 2960047 1507 | Proj. Name / No.: Brunswick NAS Eastern Plume | Katahdin Quote #:

Bill (if different than above): Same | Address:

Sampler (Print / Sign): Samuel Whitin | Copies To: Al Easterday

LAB USE ONLY | WORK ORDER #: WR3767 | KATAHDIN PROJECT MANAGER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C: ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC by 8260 (TCL)	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
	BN-19-EP-DS308D	11/06/01 1040	H_2O	3	3										
	BN-19-EP-DS334S	1090		3	3										
	BN-19-EP-DS334M	1092		3	3										
	BN-19-EP-DS334D	1095		3	3										
	BN-19-EP-DS331	1150		3	3										
	BN-19-EP-DSX04	1XX		3	3										
	BN-19-EP-DS319	1210		3	3										
	BN-19-EP-DSRB1	1445		3	3										
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: All samples are part of SOG BN-19-EP-DS224, which is now closed.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	11/6/01 1630				11/8 8:00
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC ☎ (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
E[redacted]NGINEERING, SCIENCE + TECHNOLOGY	AI EASTERDAY	(781) 275-8846	(781) 275-7253

Address: 175 Middlesex TURNPIKE City: BEDFORD State: MA Zip Code: 01730

Purchase Order #: 2960047.1507 Proj. Name / No.: BRUNSWICK SITE 09 LTM Katahdin Quote #:

Bill (if different than above): SAME Address:

Sampler (Print / Sign): Samuel Whitin Copies To: AI EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642 (WR3644)

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC by 8260 (Filt. ☐Y ☑N)	VOC by 8260B Modified SIM (Filt. ☐Y ☑N)	TAL Metals (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
✓	BN-19-S9-MW021	10/25/01 1035	H_2O	3	3										
✓	BN-19-S9-MW080	1145		3	3										
✓	BN-19-S9-MW071	1405		3	3										
	[redacted]-19-S9-MW076	1520		3		3									
✓	BN-19-S9-MW075	10/26/01 1025		3	3										
✓	BN-19-S9-MW074	1140		3	3										
✓	BN-19-S9-MW022	1045		3	3										
✓	BN-19-S9-MW072	1155		3	3										
	BN-19-S9-XD2	1300		3		3									
	BN-19-S9-QD021	1300		4	3		1								
✓	BN-19-S9-QT02	10/25/01 0900		3	3										
✓	BN-19-S9-DS021S	10/25/01 0930		3	3										
	~~BN-19-S9-DS021M~~														
✓	BN-19-S9-DS021D	10/25/01 0940		3	3										
	BN-19-S9-DS072S	10/26/01 1105		3	3										
	BN-19-S9-DS072D	10/26/01 1109		3	3										

COMMENTS

BN-19-S9-DS071S MS/MSD 10/25/01 1300 H_2O 5 5

[redacted]uished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	10/26/01 1550	Angela M. Frainer			10/26 1510
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
EA ENGINEERING, SCIENCE + TECHNOLOGY	AL EASTERDAY	(781) 275-8846	(781) 275-7[illegible]

Address: 175 MIDDLESEX TURNPIKE City: BEDFORD State: MA Zip Code: 01730

Purchase Order #: 2960047.1507 Proj. Name / No.: BRUNSWICK NAS SITE 09 Katahdin Quote #:

Bill (if different than above): SAME Address:

Sampler (Print / Sign): Copies To: AL EASTERDAY

LAB USE ONLY WORK ORDER #: WR3642, WR3644, WR3645

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC By 8260 (Filt. ☐Y ☐N)	VOC By 8260B mod SIM (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
✓	BN-19-59-DS071S	10/25/01 / 1300	H_2O	3	3									
✓	BN-19-59-DS071M	/ 1305		3	3									
✓	BN-19-59-DS071D	/ 1310		3	3									
✓	BN-19-59-XD1D	/ —		3	3									
	BN-19-59-DS076S	/ 1420		3		3								
	BN-19-59-DS076M	/ 1425		3		3								
	BN-19-59-DS076D	/ 1430		3		3								
	BN-19-59-XD1M	/ —		3		3								
✓	BN-19-59-DS075S	10/26/01 / 0915		3	3									
✓	BN-19-59-DS075M	/ 0920		3	3									
✓	BN-19-59-DS075D	/ 0925		3	3									
	BN-19-59-DS074S	/ 1035		3	3									
	BN-19-59-DS074M	/ 1040		3	3									
	BN-19-59-DS074D	/ 1045		3	3									
	BN-19-59-DS022S	/ 0920		3	3									
	BN-19-59-DS022M	/ 0922		3	3									
	BN-19-59-DS022D	/ 0924	H_2O	3	3									

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/26/01 1550	[signature]			[signature] 10/26 1535
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-9
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069-DF/S	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	75	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	60	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-9
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069-DF/S	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	104	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	97	%	1.0		
1,2-DICHLOROETHANE-D4	104	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-12
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDIS	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	78	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.8	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	59	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-12
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XDIS	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	99	%	1.0		
P-BROMOFLUOROBENZENE	98	%	1.0		
1,2-DICHLOROETHANE-D4	103	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-10
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069-DF/M	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	28	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	51	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: none

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-10
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069-DF/M	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	95	%	1.0		
P-BROMOFLUOROBENZENE	99	%	1.0		
1,2-DICHLOROETHANE-D4	101	%	1.0		

Report Notes: none

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-6
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD1M	AQ	10/25/01	10/26/01	11/1/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	1	ug/L	1.0	0.15	0.15
DIBROMOFLUOROMETHANE	110	%	1.0		
1,2-DICHLOROETHANE-D4	110	%	1.0		
TOLUENE-D8	95	%	1.0		
P-BROMOFLUOROBENZENE	91	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-6
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD1M	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	J1	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	J1	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	6	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-6
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD1M	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	106	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
1,2-DICHLOROETHANE-D4	121	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-11
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069-DF/D	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	J1	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	49	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	39	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-11
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW069-DF/D	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	104	%	1.0		
TOLUENE-D8	97	%	1.0		
P-BROMOFLUOROBENZENE	100	%	1.0		
1,2-DICHLOROETHANE-D4	104	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-1
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS071S	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.7	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-1
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS071S	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	109	%	1.0		
1,2-DICHLOROETHANE-D4	118	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-14
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS071M	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.6	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-14
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS071M	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	116	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-15
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS071D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B2	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-15
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS071D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	110	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	116	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-16
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD1D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-16
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-XD1D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	112	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	109	%	1.0		
1,2-DICHLOROETHANE-D4	118	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-12
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS072S	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-12
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS072S	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	110	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-13
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS072D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	J0.6	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-13
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS072D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
1,2-DICHLOROETHANE-D4	112	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-6
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS074S	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
ACETONE	B6	ug/L	1.0	5	5
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-6
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS074S	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	127	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-1
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS074M	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B1	ug/L	1.0	1.0	1.0
ACETONE	B9	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-1
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS074M	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	118	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-2
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS074D	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B2	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-2
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS074D	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	108	%	1.0		
TOLUENE-D8	106	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	128	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-17
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS075S	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B4	ug/L	1.0	1.0	1.0
ACETONE	B6	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-17
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS075S	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	111	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		
1,2-DICHLOROETHANE-D4	118	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-18
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS075M	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B4	ug/L	1.0	1.0	1.0
ACETONE	B5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-18
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS075M	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	117	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-19
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS075D	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client:	SHERRI PULLAR	**Lab Number:**	WR3644-19
	EA Engineering	**SDG:**	BN19S9MW021
	3 Washington Center	**Report Date:**	11/9/01
		PO No. :	29600.47.1507
	Newburgh, NY 12550	**Project:**	SITE 09
Proj. ID:	NAS BRUNSWICK	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS075D	AQ	10/26/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	111	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	119	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-3
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS076S	AQ	10/25/01	10/26/01	11/1/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	0.6	ug/L	1.0	0.15	0.15
DIBROMOFLUOROMETHANE	108	%	1.0		
1,2-DICHLOROETHANE-D4	111	%	1.0		
TOLUENE-D8	99	%	1.0		
P-BROMOFLUOROBENZENE	92	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-4
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS076M	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	J1	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.7	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

eport Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-4
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS076M	AQ	10/25/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
1,2-DICHLOROETHANE-D4	116	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-4
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS076M	AQ	10/25/01	10/26/01	11/1/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	1	ug/L	1.0	0.15	0.15
DIBROMOFLUOROMETHANE	106	%	1.0		
1,2-DICHLOROETHANE-D4	111	%	1.0		
TOLUENE-D8	97	%	1.0		
P-BROMOFLUOROBENZENE	93	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-5
SDG: BN19S9MW069.
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: SW8260
Date Analyzed: 11/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS076D	AQ	10/25/01	10/26/01	11/1/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
VINYL CHLORIDE	0.8	ug/L	1.0	0.15	0.15
DIBROMOFLUOROMETHANE	110	%	1.0		
1,2-DICHLOROETHANE-D4	120	%	1.0		
TOLUENE-D8	97	%	1.0		
P-BROMOFLUOROBENZENE	90	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Katahdin ANALYTICAL SERVICES

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-10
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS021S	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B2	ug/L	1.0	1.0	1.0
ACETONE	JB4	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-10
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS021S	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	110	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-11
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS021D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	J0.8	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-11
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS021D	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	110	%	1.0		

Report Notes: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-3
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS022S	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	JB3	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-3
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS022S	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	126	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-4
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS022M	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-4
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS022M	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	109	%	1.0		
TOLUENE-D8	105	%	1.0		
P-BROMOFLUOROBENZENE	107	%	1.0		
1,2-DICHLOROETHANE-D4	126	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-5
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS022D	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	J1	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	JB2	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3645-5
SDG: BN19S9DS074M
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-DS022D	AQ	10/26/01	10/26/01	11/3/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	113	%	1.0		
TOLUENE-D8	108	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		
1,2-DICHLOROETHANE-D4	134	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-6
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227-DF/S	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.7	ug/L	1.0	1.0	1.0
ACETONE	JB3	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-6
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227-DF/S	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	104	%	1.0		
TOLUENE-D8	99	%	1.0		
P-BROMOFLUOROBENZENE	104	%	1.0		
1,2-DICHLOROETHANE-D4	102	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227-DF/M	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227-DF/M	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	105	%	1.0		
TOLUENE-D8	93	%	1.0		
P-BROMOFLUOROBENZENE	96	%	1.0		
1,2-DICHLOROETHANE-D4	101	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-8
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227-DF/D	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	2	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-8
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-MW227-DF/D	AQ	10/24/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	102	%	1.0		
TOLUENE-D8	98	%	1.0		
P-BROMOFLUOROBENZENE	98	%	1.0		
1,2-DICHLOROETHANE-D4	103	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550
Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-13
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
NASB-TB-01	AQ	10/23/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	JB4	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3609-13
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47 1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 10/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
NASB-TB-01	AQ	10/23/01	10/25/01	10/28/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	101	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		
1,2-DICHLOROETHANE-D4	106	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-9
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QT02	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	B1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3644-9
SDG: BN19S9MW021
Report Date: 11/9/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/5/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QT02	AQ	10/25/01	10/26/01	11/5/01	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	103	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	106	%	1.0		
1,2-DICHLOROETHANE-D4	106	%	1.0		

Report Notes: B

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3767-8
SDG: BN19EPDS224
Report Date: 12/3/01
PO No.: 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-EP-DSRB1	AQ	11/6/01	11/7/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	J0.6	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	B5	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3767-8
SDG: BN19EPDS224
Report Date: 12/3/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-EP-DSRB1	AQ	11/6/01	11/7/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	116	%	1.0		
TOLUENE-D8	93	%	1.0		
P-BROMOFLUOROBENZENE	95	%	1.0		
1,2-DICHLOROETHANE-D4	118	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3786-8
SDG: BN4S2MW242
Report Date: 12/6/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S1-RB2	AQ	11/8/01	11/8/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	JB0.9	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	J4	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID:

Lab Number: WR3786-8
SDG: BN4S2MW242
Report Date: 12/6/01
PO No. : 29600.47.1507
Project: NASB LTMP 19
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/14/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S1-RB2	AQ	11/8/01	11/8/01	11/14/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	99	%	1.0		
TOLUENE-D8	91	%	1.0		
P-BROMOFLUOROBENZENE	89	%	1.0		
1,2-DICHLOROETHANE-D4	101	%	1.0		

Report Notes: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2.0	ug/L	1.0	2.0	2.0
BROMOMETHANE	<2.0	ug/L	1.0	2.0	2.0
VINYL CHLORIDE	<2.0	ug/L	1.0	2.0	2.0
CHLOROETHANE	<2.0	ug/L	1.0	2.0	2.0
METHYLENE CHLORIDE	<1	ug/L	1.0	1.0	1.0
ACETONE	<5	ug/L	1.0	5	5
CARBON DISULFIDE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
CHLOROFORM	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
2-BUTANONE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
CARBON TETRACHLORIDE	<1	ug/L	1.0	1.0	1.0
BROMODICHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1.0	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
TRICHLOROETHENE	<1	ug/L	1.0	1.0	1.0
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1.0	1.0
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1.0	1.0
BENZENE	<1	ug/L	1.0	1.0	1.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1.0	1.0
BROMOFORM	<1	ug/L	1.0	1.0	1.0
4-METHYL-2-PENTANONE	<3	ug/L	1.0	3	3
2-HEXANONE	<4	ug/L	1.0	4	4
TETRACHLOROETHENE	<1	ug/L	1.0	1.0	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1.0	1.0
TOLUENE	<1	ug/L	1.0	1.0	1.0
CHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
ETHYLBENZENE	<1	ug/L	1.0	1.0	1.0
STYRENE	<1	ug/L	1.0	1.0	1.0
TOTAL XYLENES	<1	ug/L	1.0	1.0	1.0

Report Notes: none

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR3642-7
SDG: BN19S9MW069
Report Date: 11/15/01
PO No. : 29600.47.1507
Project: SITE 09
% Solids: N/A
Method: EPA 8260
Date Analyzed: 11/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-19-S9-QD001	AQ	10/26/01	10/26/01	11/2/01	KSK	5030	KSK

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,3-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
1,4-DICHLOROBENZENE	<1	ug/L	1.0	1.0	1.0
DIBROMOFLUOROMETHANE	107	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		
,2-DICHLOROETHANE-D4	117	%	1.0		

Report Notes: none

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-19-S9-QD001

Matrix: WATER **SDG Name:** BN19S9MW069

Percent Solids: 0.00 **Lab Sample ID:** WR3642-007

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	21.39	U		P	1
7440-36-0	ANTIMONY	3.65	U		P	1
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	1.15	U		P	1
7440-41-7	BERYLLIUM	0.41	U		P	1
7440-43-9	CADMIUM	2.84	U		P	1
7440-70-2	CALCIUM	7970			P	1
7440-47-3	CHROMIUM	4.81	U		P	1
7440-48-4	COBALT	3.89	U		P	1
7440-50-8	COPPER	1.66	U		P	1
7439-89-6	IRON	17.5	B		P	1
7439-92-1	LEAD	3.0	B		P	1
7439-95-4	MAGNESIUM	1310			P	1
7439-96-5	MANGANESE	5.0	B		P	1
7439-97-6	MERCURY	0.03	B		CV	1
7440-02-0	NICKEL	8.1	B		P	1
7440-09-7	POTASSIUM	810	B		P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	4.15	U		P	1
7440-23-5	SODIUM	5990			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	4.66	U		P	1
7440-66-6	ZINC	3.2	B		P	1

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

Appendix E

Engineering Inspection

Engineering Inspection of Site 9				
Well Number	Locked	Labeled	Depth to Water	Comments
MW-69	Yes	Yes	11.81	hasp broken
MW-70	Yes	Yes	12.78	
MW-71	Yes	Yes	2.83	
MW-72	Yes	Yes	9.60	
MW-73	Yes	Yes	9.35	
MW-74	Yes	Yes	10.06	
MW-75	Yes	Yes	12.56	
MW-76	Yes	Yes	11.67	
MW-77	Yes	Yes	16.65	
MW-78	Yes	Yes	11.61	
MW-79	Yes	Yes	12.83	
MW-80	Yes	Yes	12.25	
MW-81	Yes	Yes	11.98	

Date: 10/30/01 | Weather: Overcast, cool.

EA Personnel: Brian D. Anderson

Additional Comments:

1. Stressed Vegetation None observed.

2. Other No other problems observed, no erosion low water condition in stream

additional wells checked

MW-21	Yes	Yes	12.50	
MW 22	Yes	Yes	10.88	near building construction
MW 204	Yes	Yes	10.16	
MW 227	Yes	Yes	10.65	
SG 1B	NA	NA	2.60	Stream guage - water low.
SG 2A	NA	NA	1.75	Stream guage - water low

DAM near SG2A in good shape (Stone and wire).