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Monitoring Event 18 Report – April/May 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
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December 2001
296.0047

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19 December 2001

Mr. Michael Barry
U.S. Environmental Protection Agency
Region 1
JFK Federal Building
90 Canal Street
Boston, Massachusetts 02214

Ms. Claudia Sait
Maine Department of Environmental Protection
State House, Station 17
Augusta, Maine 04333-0017

RE: Report for Monitoring Event 18, Site 9, Naval Air Station, Brunswick, Maine
Contract No. N62472-92-D-1296; Contract Task Order No. 0047
EA Project No. 29600.47

Dear Mr. Barry/Ms. Sait:

On behalf of the Department of the Navy, EA Engineering, Science, and Technology is pleased to submit the report for monitoring and sampling conducted for Monitoring Event 18 at Site 9. This report is submitted to the U.S. Environmental Protection Agency (EPA) Region 1, the State of Maine Department of Environmental Protection (MEDEP), and the Restoration Advisory Board (RAB) members for your information and use.

If additional information is required, please contact Mr. Anthony Williams at (207) 921-2445, or Mr. Lonnie J. Monaco (610) 595-0567, Extension 164.

Sincerely,

Alexander Easterday

Alexander C. Easterday, P.G.
Project Manager

ACE/caw
Enclosures

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Monitoring Event 18 Report – April/May 2001 for Site 9: Neptune Drive Disposal Site Naval Air Station, Brunswick, Maine

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10 Industrial Highway
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Lester, Pennsylvania 19113-2090

Alexander Easterday 12/19/01

Alexander C. Easterday, P.G. Date
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Kenneth W. Kilmer Date
Program Manager

December 2001
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 18 Report – April/May 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

18 December 2001

James A. Shultz, C.P.G. (Date)
Senior Geologist

QUALITY REVIEW STATEMENT

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

Description of Report/Deliverable:

Monitoring Event 18 Report – April/May 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
12/19/01
CERTIFIED GEOLOGIST

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 Facility 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 18 was conducted in accordance with the Final Long-Term Monitoring Plan (EA 1999b).

This report provides results for the April/May 2001 monitoring event (Monitoring Event 18). Appendix A contains the laboratory analytical data summary tables. 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 18 were collected on 2 April 2001 at the 16 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 2 April 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 2 April 2001 are provided in Table 2. Water level gauging data recorded at the Navy Exchange Service Station on 2 April 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 April gauging data.

1.3 GROUND-WATER MONITORING, SAMPLING, AND ANALYSIS

1.3.1 Sampling Activities

The ground-water sampling program was completed on 25 and 26 April 2001 in accordance with the general methodologies established in the Final Long-Term Monitoring Plan (EA 1999b), except for 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 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 30 March 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 MA-NASB-021, which have 5-ft screen lengths. The diffusion samplers were retrieved on 25 and 26 April 2001, after being allowed to equilibrate in each well for approximately 21 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 have been presented in a separate letter report (EA 2001).

Ground-water samples were collected from each of the 11 wells at Site 9 sampled during the April/May 2001 sampling event using the low-flow sampling technique and/or diffusion sampling method. Table 1 provides a summary of the wells sampled during Monitoring Event 18.

Water quality data were collected immediately following removal of the diffusion samplers. A YSI 600XL water quality meter was utilized to collect water quality data downhole. It should be noted that the YSI 600XL water quality meter does not record turbidity (Table 1). These water quality data can be found 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 and conductivity results with the diffusion sampler data as opposed to 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. Although not required, oxidation-reduction potential (Eh) was recorded for informational purposes. Stabilization of water quality indicator parameters was achieved when measurements were within approximately 10 percent on 3 successive readings, and turbidity was below 10 nephelometric turbidity units. Wells were purged at the lowest flow rate obtainable with the submersible pump (i.e., from approximately 0.1 L/minute to 0.5 L/minute). Well MW-NASB-071 was purged at 1.5 L/minute. The drawdown during purging was 0.78 ft, indicating that the well was not

stressed during sampling. All Site 9 monitoring wells reached equilibrium with respect to water quality indicators prior to sampling. A total of 4 of 11 wells reached equilibrium but indicated turbidity measurements in excess of 10 nephelometric turbidity units. Reduced dissolved oxygen concentrations (≤2.0 mg/L) were noted in samples from 9 monitoring wells, with a low of 0.1 mg/L (MW-NASB-021 and MW-NASB-069). Water quality parameters are summarized in Table 4 for the ground-water samples.

Nine ground-water samples collected from monitoring wells at Site 9 were analyzed for Target Compound List volatile organic compounds by U.S. Environmental Protection Agency (EPA) Method 8260B (Table 1). Ground-water samples collected from monitoring wells MW-NASB-069, MW-NASB-070, and MW-NASB-079 were also analyzed for semivolatile organic compounds by EPA Method 8270C and Target Analyte List elements, including metals by inductively coupled plasma (EPA Method 6010), graphite furnace (EPA Method 7000 Series), and mercury by cold vapor atomic absorption (EPA Method 7470).

1.3.2 Analytical Data

Appendix 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 2 May 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 in 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:

- Eh concentrations were noticeably lower for the surface water and leachate seep sample collected for Monitoring Event 18 (April/May 2001) as opposed to those collected during Monitoring Event 17 (September 2000).

- Turbidity measurements were noticeably lower for the leachate seep sample collected for Monitoring Event 18 (April/May 2001) as opposed to those collected during Monitoring Event 17 (September 2000).

Both the surface water sample (SW-010) and leachate station seep sample (LT-901) were collected and analyzed for 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 18.

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 2 May 2001 in accordance with the Final Long-Term Monitoring Plan (EA 1999b). The stream sediment sample (SED-010) was collected and analyzed for Target Compound List volatile organic compounds by EPA Method 8260B. Table 1 provides a summary of the stream sediment sampling program completed during Monitoring Event 18.

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

Site inspection activities at Site 9 were completed by an engineer on 24 April 2001 in accordance with the Final Long-Term Monitoring Plan (1999b). There was no evidence of stressed vegetation nor physical evidence of tampering with the site wells. The site monitoring wells were observed to be capped, labeled, locked, and in good condition. A minor sheen was present at the entrance of the retention pond. A propylene glycol odor was noted in the area of the retention ponds by the inspector.

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 18 were determined to be of sufficient quality for use in evaluating the long-term effectiveness of the remedial action (i.e., monitored natural attenuation).

1.8 ANALYTICAL DATA QUALITY REVIEW

As required by the Quality Assurance Project Plan contained in the Final Long-Term Monitoring Plan (EA 2000a), 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, except the following:

- The positive results for vinyl chloride in 6 samples (MW-NASB-069 [shallow], MW-NASB-069 [mid], MW-NASB-069 [deep], MW-NASB-069 DUP [shallow], MW-NASB-069 DUP [mid], and MW-NASB-069 DUP [deep]), and the non-detect results in 14 samples (MW-NASB-071 [mid], MW-NASB-071 [deep], MW-NASB-072 [shallow], MW-NASB-072 [deep], MW-NASB-074 [shallow], MW-NASB-074 [mid], MW-NASB-074 [deep], MW-NASB-075 [shallow], MW-NASB-075 [mid], MW-NASB-075 [deep], MW-NASB-076 [shallow], MW-NASB-076 [mid], MW-NASB-076 [deep], and MW-NASB-071 [shallow] should be considered estimated with a low bias based on precision criteria.

- The results for total 1,2-dichloroethene in 6 samples (MW-NASB-069 [shallow], MW-NASB-069 DUP [shallow], MW-NASB-227 [shallow], MW-NASB-227 [deep], MW-NASB-227 [mid], and MW-NASB-069 DUP [deep]) should be considered estimated with a low bias based on precision criteria.

- The results for trichloroethene in 3 samples (MW-NASB-227 [shallow], MW-NASB-227 [mid], and MW-NASB-227 [deep]) should be considered estimated with a low bias based on precision criteria.

- The results for tetrachloroethene in 3 samples (MW-NASB-227 [shallow], MW-NASB-227 [mid], and MW-NASB-227 [deep]) should be considered estimated with a low bias based on precision criteria.

- The results for methylene chloride in the trip blank (QT-002) should be considered estimated with a low bias based on precision criteria.

- The results for acetone in Sample SED-010 should be considered estimated with a low bias based on precision criteria.

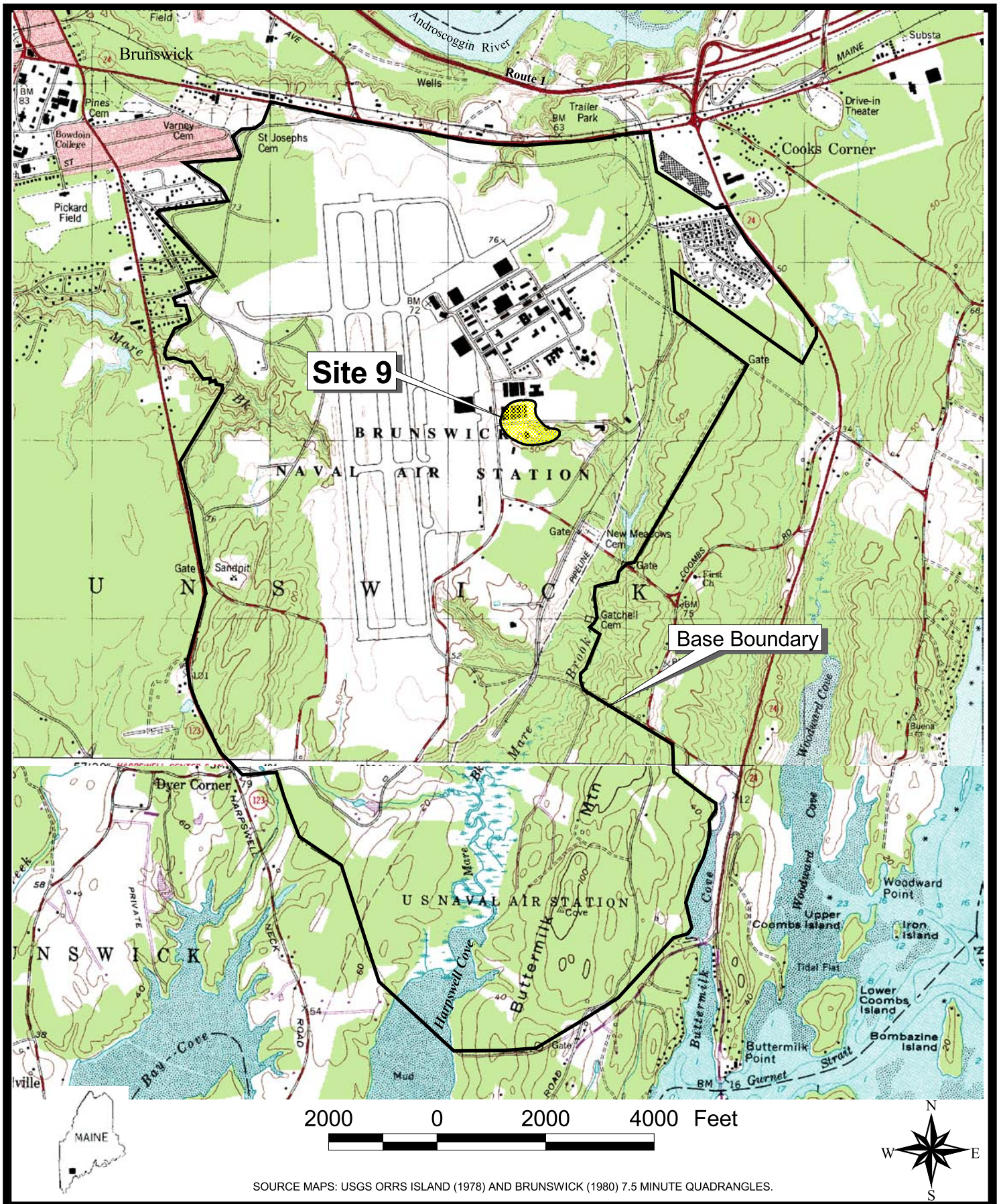
- The positive acetone results for 13 samples (MW-NASB-069 [shallow], MW-NASB-069 [mid], MW-NASB-069 [deep], MW-NASB-071 [mid], MW-NASB-069 DUP [deep], MW-NASB-021 [shallow], MW-NASB-021 [deep], MW-NASB-022 [shallow], MW-NASB-022 [mid], MW-NASB-022 [deep], MW-NASB-227 [mid], MW-NASB-227

[deep], and MW-NASB-227 [shallow]) should be considered false-positives due to method blank contamination.

- The positive results for acetone in 15 samples (MW-NASB-069 DUP [mid], MW-NASB-069 DUP [shallow], MW-NASB-071 [deep], MW-NASB-071 [shallow], MW-NASB-072 [deep], MW-NASB-072 [shallow], MW-NASB-074 [deep], MW-NASB-074 [mid], MW-NASB-074 [shallow], MW-NASB-075 [deep], MW-NASB-075 [mid], MW-NASB-075 [shallow], MW-NASB-076 [deep], MW-NASB-076 [mid], and MW-NASB-076 [shallow]) should be considered false-positive due to field blank contamination.

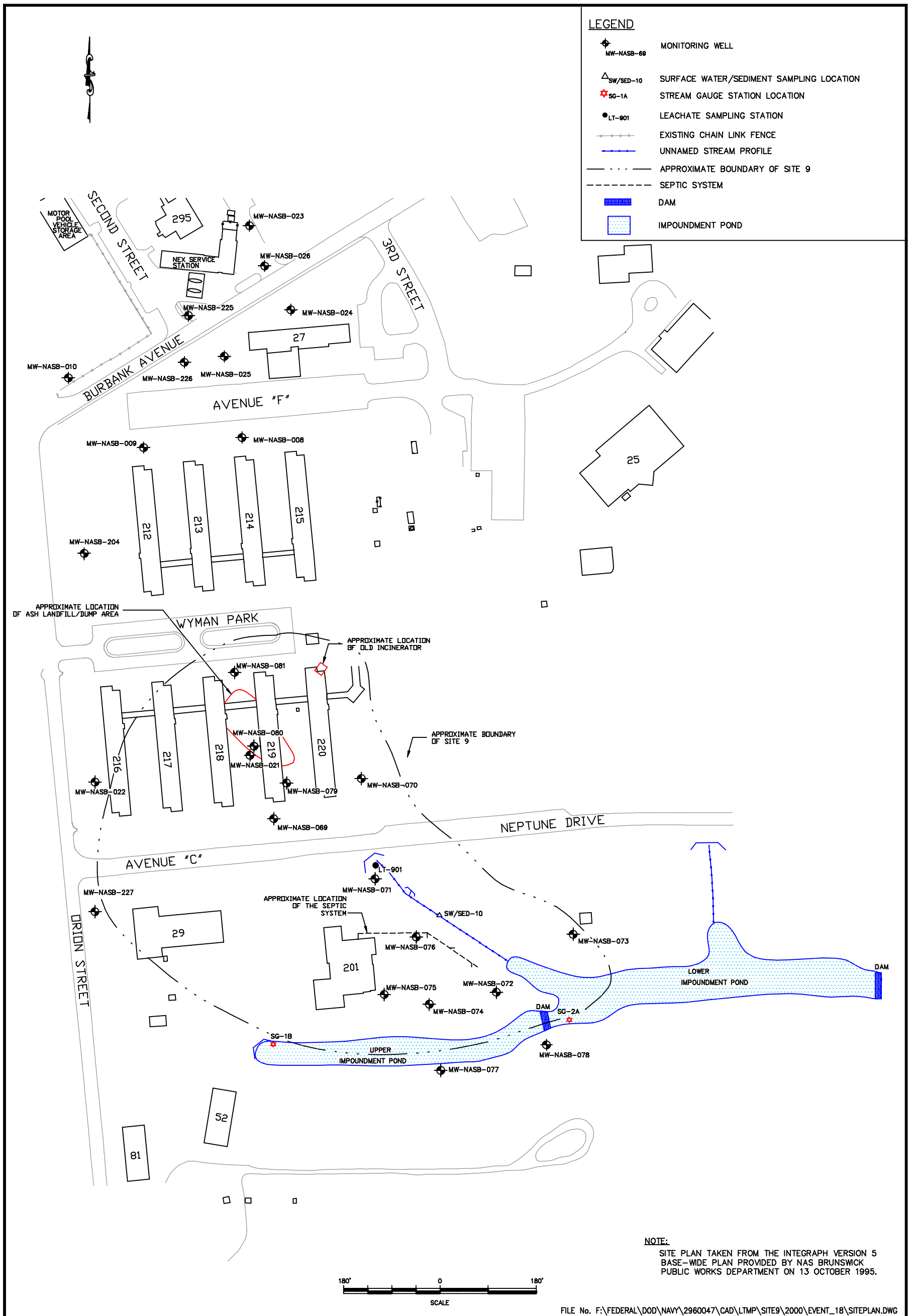
- The results for total 1,2-dichloroethene should be considered an estimation of its true concentration in Sample MW-NASB-069 (shallow) based on field precision criteria.

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 1 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 INTEGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.

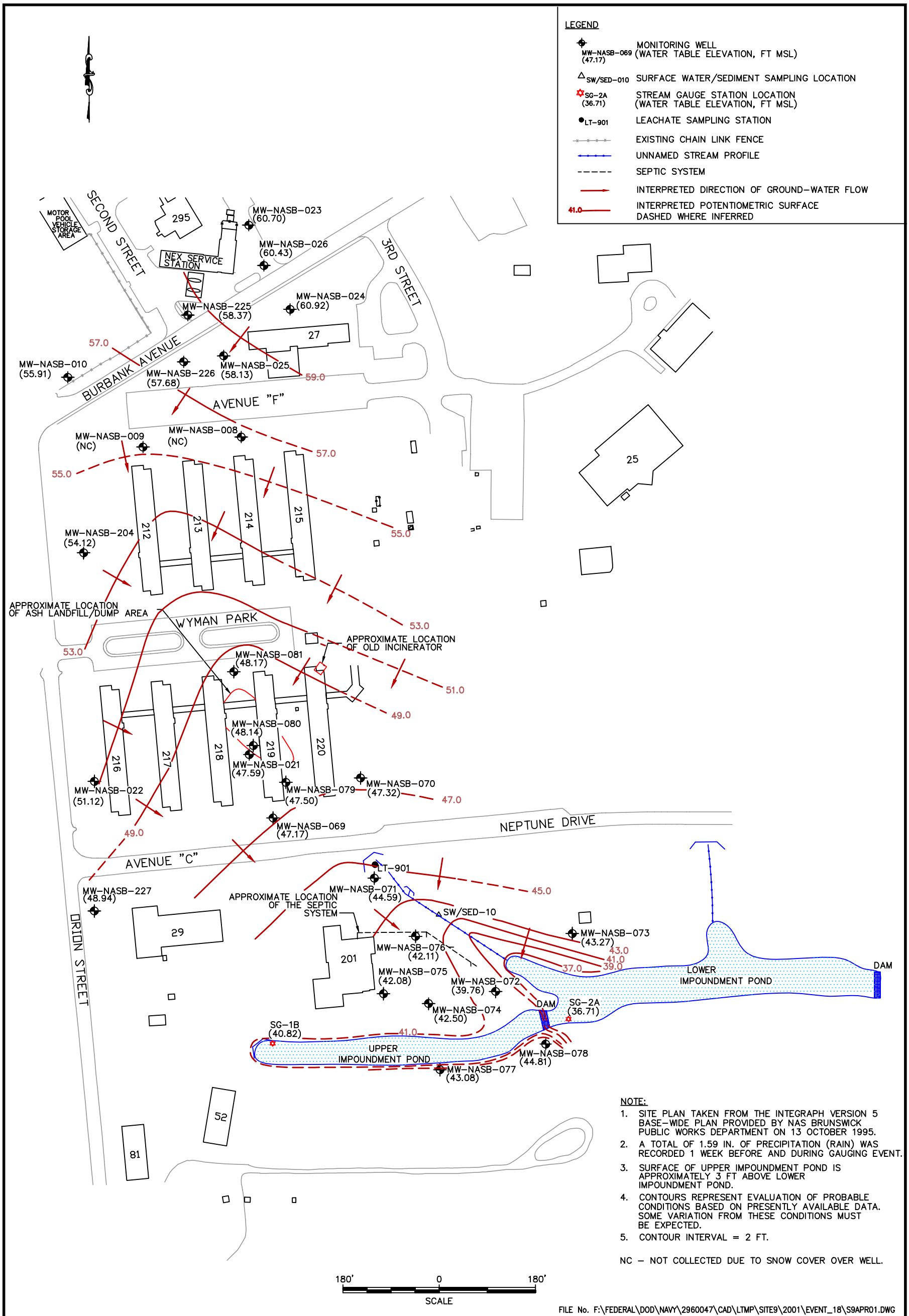
FILE No. F:\FEDERAL\DOD\NAVY\2960047\CAD\LTMP\SITE9\2000\EVENT_18\SITEPLAN.DWG

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	SYC	1"=180'	1 MAY 2001	29600.47	SITEPLAN



NOTE:

1. SITE PLAN TAKEN FROM THE INTEGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.
2. A TOTAL OF 1.59 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 DUE TO SNOW COVER OVER WELL.

FILE No. F:\FEDERAL\DOD\NAVY\2960047\CAD\LTMP\SITE9\2001\EVENT_18\S9APR01.DWG

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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

FIGURE 3
INTERPRETED POTENTIOMETRIC SURFACE ELEVATIONS, 2 APRIL 2001 WELL GAUGING DATA

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
AE	SAP	SAP	SYC	AS SHOWN	10 SEP 2001	29600.47	S9APR01

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

Well Designation	Previous Well Designation	Monitoring Frequency	Sample Parameters			Monitoring Event 18	
			TCL VOC	TAL Elements	Field Parameters[a]	Gauged	Sampled
Monitoring Wells							
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	NR	X	X	X
MW-NASB-077	MW-909	Bi-Annual	NR[d]	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 18	
		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	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-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.

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
2 APRIL 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	10.18	47.17
MW-NASB-070	MW-902	58.26	27.32	10.94	47.32
MW-NASB-071	MW-903	46.25	21.54	1.66	44.59
MW-NASB-072	MW-904	49.81	14.63	10.05	39.76
MW-NASB-073	MW-905	51.71	32.12	8.44	43.27
MW-NASB-074	MW-906	51.68	27.12	9.18	42.50
MW-NASB-075	MW-907	54.91	21.22	12.83	42.08
MW-NASB-076	MW-908	52.79	19.94	10.68	42.11
MW-NASB-077	MW-909	58.89	37.29	15.81	43.08
MW-NASB-078	MW-910	53.74	14.93	8.93	44.81
MW-NASB-079	MW-914	58.15	18.92	10.65	47.50
MW-NASB-080	MW-915	58.51	19.04	10.37	48.14
MW-NASB-081	MW-916	58.22	18.85	10.05	48.17
MW-NASB-021	None	58.35	50.30	10.76	47.59
MW-NASB-022	None	59.52	17.97	8.40	51.12
MW-NASB-204	None	62.09	17.93	7.97	54.12
MW-NASB-227	None	58.39	40.60	9.45	48.94
Stream Gauging Station					
SG-1B	None	36.92[(a)]	NA	3.90	40.82
SG-2A	None	34.41[(a)]	NA	2.30	36.71

(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
NAVY EXCHANGE SERVICE STATION
2 APRIL 2001

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	No data[(a)]	---
MW-NASB-9	59.00	11.50	No data[(a)]	---
MW-NASB-10	62.03	12.40	6.12	55.91
MW-NASB-23	67.29	21.90	6.59	60.70
MW-NASB-24	65.31	13.15	4.39	60.92
MW-NASB-25	64.34	14.70	6.21	58.13
MW-NASB-26	66.61	12.55	6.18	60.43
MW-NASB-225	64.61	14.31	6.24	58.37
MW-NASB-226	62.22	12.68	4.54	57.68

(a) Unable to gauge well due to snow and ice cover, restricting access to the well.

NOTE: MSL = Mean sea level.
PVC = Polyvinyl chloride.
Monitoring wells listed on this table are not part of Site 9.
Dashes indicate that data are not available.
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 25-26 APRIL 2001 AT SITE 9

Well Designation	Previous Well Designation	pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Low-Flow Sampling							
MW-NASB-069	MW-901	5.98	15.13	377	0.1	5	164
MW-NASB-070	MW-902	5.69	12.08	112	2.0	6	-235
MW-NASB-071	MW-903	6.39	13.85	259	0.2	34	-327
MW-NASB-072	MW-904	6.10	12.51	86	5.2	12	-213
MW-NASB-074	MW-906	6.34	13.85	317	0.3	103	-311
MW-NASB-075	MW-907	6.01	15.52	306	0.6	18	-285
MW-NASB-076	MW-908	6.09	12.83	411	0.7	7	-276
MW-NASB-079	MW-914	6.88	12.03	154	1.4	8	-239
MW-NASB-021	None	6.15	15.56	276	0.1	2	53
MW-NASB-022	None	5.87	9.41	74	10.1	7	286
MW-NASB-227	None	5.77	13.84	235	0.5	8	174
Diffusion Sampling							
MW-NASB-069	MW-901	6.28	13.48	372	1.6	NA	128
MW-NASB-071	MW-903	6.60	12.66	343	1.1	NA	131
MW-NASB-072	MW-904	6.20	7.78	61	7.0	NA	51
MW-NASB-074	MW-906	7.11	10.78	242	0.8	NA	225
MW-NASB-075	MW-907	6.05	10.74	312	2.1	NA	242
MW-NASB-076	MW-908	6.12	11.95	358	1.3	NA	137
MW-NASB-021	None	6.54	13.46	370	1.1	NA	78
MW-NASB-022	None	6.37	6.21	53	11.1	NA	-215
MW-NASB-227	None	6.56	12.45	223	0.9	NA	207

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 2 MAY 2001 AT SITE 9

Sample Designation	pH	Temperature (°C)	Conductivity (Φmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Surface Water						
SW-010	6.76	18.7	319	8.4	9	67
Leachate Seep						
LT-901	6.70	17.72	228	4.2	45	7

NOTE: NTU = Nephelometric turbidity unit.

REFERENCES

ABB Environmental Services, Inc. (ABB-ES). 1994. Interim Ground-Water Record of Decision for the Ground-Water Operable Unit at Site 9. September.

EA Engineering, Science, and Technology. 1996. Final Report, Quarterly Monitoring Event 4 - November 1995, Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine. February.

EA. 1999a. Final Record of Decision for Site 9, Naval Air Station, Brunswick, Maine. September.

EA. 1999b. Final Long-Term Monitoring Plan, Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine. August.

EA. 2001. Summary of the April 2001 Aqueous Diffusion Sampling Pilot Study for Site 9, Naval Air Station, Brunswick, Maine. 29 August.

Appendix A

Laboratory Analytical Data Summary Tables

TABLE A-1 SUMMARY OF GROUND-WATER SAMPLES COLLECTED FROM SITE 9 ON 25 AND 26 APRIL 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			MW-NASB-021			MW-NASB-021 (Dup)	MW-NASB-022			
			Diffusion sample		Ground water	Ground water	Diffusion sample			Ground water
			Deep Diffusion Sample	Shallow Diffusion Sample	Low-flow 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	---	---	ND	ND	ND	ND	ND	ND	ND	ND
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	---	---	13B	13B	(<5U)	(<5U)	15B	16B	17B	(<5U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<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-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	Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample
Compound/Element	MEG (a)	MCL (b)								
Total VOC	---	---	113	117	66	97	123	101	44	108
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	52	67	36	44	57	58	29	51
Acetone	---	---	14B	14B	12B	(<5U)	16B	14	14	(<5U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<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	**61**	**50**	**30**	**53**	**66**	**43**	**15**	**57**
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

TABLE A-1 (CONTINUED)

			MW-NASB-071				MW-NASB-072		
			Diffusion sample			Ground water	Diffusion sample		Ground water
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Deep Diffusion Sample	Shallow Diffusion Sample	Low-flow sample
Compound/Element	MEG (a)	MCL (b)							
Total VOC	---	---	ND	ND	ND	ND	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	---	---	13	12B	15	(<5U)	9	10	(<5U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<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	(<1U)	(<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-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	2	2.5	ND	ND	ND	ND
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	2	2	2	2	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	---	---	16	16	14	(<5U)	7	15	13	(<5U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	0.5J	(<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-227			
			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	---	---	ND	ND	ND	2	4.6	4.6	6.9	2.6
1,1-Dichloroethane	70	---	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethene, total	70	70	(<1U)	(<1U)	(<1U)	(<1U)	2	2	2	2
Acetone	---	---	13	13	13	(<5U)	16B	15B	15B	(<5U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Tetrachloroethene	3	5	(<1U)	(<1U)	(<1U)	(<1U)	0.6J	0.6J	0.9J	0.6J
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	(<1U)	(<1U)	(<1U)	(<1U)	2	2	4	(<1U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	**2J**	(<2U)	(<2U)	(<2U)	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<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).
ND = Not detected, except possibly acetone which is not included in the total VOC value, because it is a common laboratory contaminant and is not a contaminant of concern at Site 9.
Total VOC is the sum of all detected volatile organic compounds except acetone and methylene chloride (common laboratory contaminants), or VOCs detected in the trip or method blank samples.
U = Not detected. Sample quantitation limits are shown as (<____U).
J = Estimated concentration.
B = Compound detected in associated method blank.
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 ON 25 AND 26 APRIL 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
Compound/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.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NO SVOC DETECTED

TABLE A-3 SUMMARY OF GROUND-WATER SAMPLES COLLECTED FROM SITE 9 ON 25 AND 26 APRIL 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	90.1B*	98.2B*	(<29.54U)	35.5B*
Barium	1,500	2,000	9.7	8.4	14.1	181
Cadmium	5	5	(<0.24U)	(<0.24U)	(<0.24U)	(<0.24U)
Calcium	---	---	6,980	7,340	11,900	21,500
Chromium	100	100	0.82B*	(<0.57U)	(<0.57U)	(<0.57U)
Copper	---	1,300	1.2B*	(<0.84U)	6.3B*	(<0.84U)
Iron	---	300	**407**	**337**	22.9B*	**13,900**
Lead	---	15	2B*	(<1.48U)	1.7B*	(<1.48U)
Magnesium	---	---	2,880	3,000	1,120	1,430
Manganese	200	50	**488**	**516**	**203**	**77.4**
Nickel	100	100	2.5B*	2B*	1.7B*	1.3B*
Potassium	---	---	1,510	1,590	500B*	2,310
Sodium	---	---	62,500	64,200	12,900	4,970
Vanadium	---	---	1.3B*	1.3B*	(<0.52U)	(<0.52U)
Zinc	---	5,000	2.7B*	1.6B*	(<0.47U)	(<0.47U)

(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 02 MAY 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SW-10	SW-10 (Dup)
			Surface water	Surface water
			Grab sample	Grab sample
Compound/Element	MEG (a)	MCL (b)		
Total VOC	---	---	ND	ND
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).
ND = Not detected.
Total VOC is the sum of all detected volatile organic compounds except acetone and methylene chloride (common laboratory contaminants), or VOCs detected in the trip or method blank samples
SW = Surface water sample locations.
U = Not detected. Sample quantitation limits are shown as (<____U).
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 SAMPLES COLLECTED FROM SITE 9 ON 02 MAY 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			LT-901
			Leachate
			Grab sample
Compound/Element	MEG (a)	MCL (b)	
Total VOC	---	---	ND
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).
ND = Not detected.
Total VOC is the sum of all detected volatile organic compounds except acetone and methylene chloride (common laboratory contaminants), or VOCs detected in the trip or method blank samples.
LT = Leachate sample.
U = Not detected. Sample quantitation limits are shown as (<___U).
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 02 MAY 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	---	---	6	11
1,2-Dichloroethene, total	---	---	6	4
Acetone	---	---	30	(<6U)
Carbon disulfide	---	---	(<1U)	4
Methylene chloride	---	---	4	3
Vinyl chloride	---	---	(<2U)	3

(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 is the sum of all detected volatile organic compounds except acetone and methylene chloride (common laboratory contaminants), or VOCs detected in the trip or method blank samples.
U = Not detected. Sample quantitation limits are shown as (<___U).
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 24 APRIL AND 03 MAY 2001
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			EP-QD-001	EP-QS-001	QT-002	QT-003	QT-004
			Source Water Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
Compound/Element	MEG (a)	MCL (b)					
Total VOC	---	---	ND	2	ND	ND	ND
Acetone	---	---	(<5U)	19	(<5U)	(<5U)	(<5U)
Benzene	---	---	(<1U)	2	(<1U)	(<1U)	(<1U)
Methylene chloride	---	---	(<1U)	(<1U)	0.6J	0.6JB	0.7J
Vinyl chloride	---	---	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)

			QT-005	S1-QD-001	S9-QS-001	S9-QS-002
			Trip Blank	Source Water Blank	Rinsate Blank	Rinsate Blank
Compound/Element	MEG (a)	MCL (b)				
Total VOC	---	---	ND	ND	ND	ND
Acetone	---	---	(<5U)	4J	(<5U)	(<5U)
Benzene	---	---	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	---	---	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	---	---	(<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).
ND = Not detected, except possibly acetone and methylene chloride which are not included in the total VOC value, because they are common laboratory contaminants and are not contaminants of concern at Site 9.
Total VOC is the sum of all detected volatile organic compounds except acetone and methylene chloride (common laboratory contaminants), or VOCs detected in the trip or method blank samples.
QT = Trip blank.
QS = Equipment rinsate blank.
QD =Source water 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 and vinyl chloride are shown on this table.

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: LTMP Event 18 Site 9	Project No: 29600.47.0506	Date: 4/2/01
Weather/Temperature: overcast, 25°		
EA Personnel: SC	Equipment: TVA-1000, Slope indicator.	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm) Air Ambient	VOCs Concentration (ppm) Well Mouth	Casing/Seal Condition	Protective Casing Elevation (ft)	PVC Casing Elevation (ft)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft)
MW-N4SB-69	Y Y	Y	0	0	Good	--	57.35	10.18	42.42	47.17
70	Y Y	Y	0	0	Good		58.26	10.94	27.32	47.32
71	Y Y	Y	0	0	Good		46.25	1.66	21.54	44.59
72	Y Y	Y	0	0	Good		49.81	10.05	14.63	39.76
73	Y Y	Y	0	0	Good		51.71	8.44	32.12	43.27
74	Y Y	Y	0	0	Good		51.68	9.18	27.12	42.50
75	Y Y	Y	0	0	Good		54.91	12.83	21.22	42.08
76	Y Y	Y	0	0	Good		52.79	10.68	19.94	42.11
77	Y Y	Y	0	0	Good		58.89	15.81	37.29	43.08
78	Y Y	Y	0	0	Good		53.74	8.93	14.93	44.81
79	Y Y	Y	0	0	Good		58.15	10.65	18.92	47.50
80	Y Y	Y	0	0	Good		58.51	10.37	19.04	48.14
81	Y Y	Y	0	0	Good		58.22	10.05	18.85	48.17

NOTE: All measurements in feet mean sea level (MSL).

ground covered with snow across site

f:\wp\29600\47

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name: LTMP Event 18 Site 9	Project No: 29600.47.1506	Date: 4/2/01
Weather/Temperature: overcast 25°		
EA Personnel: SC	Equipment: TVA-1000, Slope indicator	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm) Air Ambient	VOCs Concentration (ppm) Well Mouth	Casing/Seal Condition	Protective Casing Elevation (ft)	PVC Casing Elevation (ft)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft)
MW-NASB-21	Y Y	Y	0	0	Good	--	58.35	10.76	50.30	47.59
22	Y Y	Y	0	0	Good		59.52	8.40	17.97	51.12
227	Y Y	Y	0	0	Good		58.39	9.45	40.60	~~—~~ 48.94
204	Y Y	Y	0	0	Good		62.09	7.97	17.93	54.12
SG-1B	—	—	0	0	—		36.92[a]	3.90	—	40.82
SG-2A	—	—	0	0	—		34.41[a]	2.30	—	36.71

NOTE: All measurements in feet mean sea level (MSL).

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

ground covered with snow across site

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EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name/Site Name: LTMP Event 18 Site 9	Project No. 2960047.1506
Weather/Temperature: overcast, 25°	Date: 4/2/01
EA Personnel: SC	Equipment: TVA-1000 interface probe

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm) Air Ambient	VOCs Concentration (ppm) Well Mouth	Casing/Seal Condition	Protective Casing Elevation (ft MSL)	PVC Casing Elevation (ft MSL)	Depth to Water (ft)	Depth to LNAPL (ft MSL)	LNAPL Thickness (ft MSL)	Measured Well Depth (ft)	Water Table Elevation[a] (ft MSL)
MW-N4SB-8		inaccessible due to snow					—					
9		inaccessible due to snow					—					
10	Y Y	Y	0	0	Good		62.03	6.12	—	—	72.40	55.91
23	Y Y	Y	0	0	Good		67.29	6.59	—	—	21.90	60.70
24	Y Y	Y	0	0	Good		65.31	4.39	—	—	13.15	60.92
25	Y Y	Y	0	0	Good		64.34	6.21	—	—	14.70	58.13
26	Y Y	Y	0	0	Good		66.61	6.18	—	—	12.55	60.43
225	Y Y	Y	0	0	Good		64.61	6.24	—	—	14.31	58.37
226	Y Y	Y	0	0	Good		62.22	4.54	—	—	12.68	57.68

(a) Based on an assumed specific gravity of 0.___ for LNAPL.

NOTE: LNAPL = Light, non-aqueous phase liquid; MSL = Mean sea level; PVC = Polyvinyl chloride; VOC = Volatile organic compounds.

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: Site9
PROJECT NUMBER: 2960047
WELL I.D.: MW-NASB-69
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: overcast, 40°

GAUGE DATE: 4-25-01
GAUGE TIME: 1421
SOUNDING METHOD: Slope indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.45
WELL DIAMETER (in.): 2

PURGE DATE: 4-25-01
PURGE TIME: 1422
PURGE METHOD: Low Flow
FIELD PERSONNEL: RW SC
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 42.42
B. DEPTH TO WATER (ft): 9.89
C. LIQUID DEPTH (ft) (A-B): 32.53
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 20
F. THREE WELL VOLUMES (L) (E*3): 60

Parameter	Beginning	1	2	3	4	5
Time (min)	1426	1430	1434	1438	1442	1446
Depth to Water (ft)	9.95	9.95	9.95	9.95	9.95	9.95
Purge Rate (L/min)	0.4	0.25	0.25	0.25	0.25	0.25
Volume Purged (L)	1.6	2.6	3.6	4.6	5.6	6.6
pH	5.86	5.93	5.95	5.96	5.97	5.98
Temperature (°C)	13.68	14.28	14.94	15.10	15.10	15.13
Conductivity (μmhos/cm)	391	378	378	367	372	377
Dissolved Oxygen (mg/L)	0.67	0.33	0.10	0.08	0.08	0.08
Turbidity (NTU)	57	32	15	1	4	5
Eh (mv)	169	161	160	165	165	164

TOTAL QUANTITY OF WATER REMOVED (L): 7.6

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1450
SAMPLING DATE: 4-25-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL HNO_3
SAMPLE BOTTLE IDs: BN-18-S9-MW69 BN-18-S9-MWXD1
SAMPLE PARAMETERS: VOC SVOC metals

COMMENTS AND OBSERVATIONS:

BN-18-S9-DS695 1400 DSXD15 pH 6.28 DO 1.60
M 1405 DSXD1M temp 13.48 Eh 128
D 1410 DSXD1D cond 372

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
PROJECT NUMBER: 29600.47
WELL I.D.: MW-NASB-070
WELL LOCK STATUS: good
WELL CONDITION: good
WEATHER: sun, cool

GAUGE DATE: 4/25/01
GAUGE TIME: 1228
SOUNDING METHOD: water level meter
MEASUREMENT REF: TOC
STICK UP/DOWN (ft):
WELL DIAMETER (in.): 2"

PURGE DATE: 4/25/01
PURGE TIME: 1238
PURGE METHOD: Low Flow
FIELD PERSONNEL: KB, BA
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): ~7.30
B. DEPTH TO WATER (ft): 10.74
C. LIQUID DEPTH (ft) (A-B): 16.56
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 10
F. THREE WELL VOLUMES (L) (E*3): 30

Parameter	Beginning	1	2	3	4	5
Time (min)	1240	1245	1250	1255	1310*	1313
Depth to Water (ft)	11.09	11.11	11.08	11.01	11.00	11.00
Purge Rate (L/min)	.4	.4	.2	.2	.2	.2
Volume Purged (L)	2.8	4.8	5.8	6.8	7.8	8.4
pH	3.90	5.20	5.62	4.81	5.56	5.63
Temperature (°C)	10.53	10.73	11.46	11.50	12.04	12.07
Conductivity (μmhos/cm)	128	128	128	128	118	113
Dissolved Oxygen (mg/L)	4.76	3.56	2.62	2.59	2.18	2.05
Turbidity (NTU)	142	126	99	99	6	6
Eh (mv)	-210	-223	-233	-233	-233	-236

TOTAL QUANTITY OF WATER REMOVED (L): 10

SAMPLERS: KB, BA
SAMPLING TIME (START/END): 1320
SAMPLING DATE: 4/25/01
DECONTAMINATION FLUIDS USED: Alcohol - DI
SAMPLE TYPE: GRAB
SAMPLE PRESERVATIVES: HNO3
SAMPLE BOTTLE IDs: BN-18-59-MW70
SAMPLE PARAMETERS: SVOC, metals
COMMENTS AND OBSERVATIONS: * problems with sonde power.

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 29600.47	Date: 4/25/01
Well ID: MW-NASB-070	Field Personnel: KB, BA	

Parameter	6	7	8	9	10	11
Time (min.)	1316					
Depth to Water (ft)	11.00					
Purge Rate (L/min)	.2					
Volume Purged (L)	9					
pH	5.69					
Temperature (°C)	12.08					
Conductivity (μmhos/cm)	112					
Dissolved Oxygen (mg/L)	2.04					
Turbidity (NTU)	6					
Eh (mv)	-235					

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
WELL I.D.: MW-NASB-71
WELL CONDITION: good
PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: Sunny, 50

GAUGE DATE: 4-26-01
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 2.80
GAUGE TIME: 1304
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 4-26-01
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
PURGE TIME: 1325
FIELD PERSONNEL: RW SC
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 21.54
B. DEPTH TO WATER (ft): 1.53
C. LIQUID DEPTH (ft) (A-B): 20
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 12
F. THREE WELL VOLUMES (L) (E*3): 36

Parameter	Beginning	1	2	3	4	5
Time (min)	1329	1333	1337	1341	1345	1349
Depth to Water (ft)	2.26	2.28	2.28	2.29	2.30	2.30
Purge Rate (L/min)	1.5	1.5	1.5	1.5	1.5	1.5
Volume Purged (L)	6	12	18	24	30	36
pH	6.48	6.47	6.45	6.45	6.41	6.42
Temperature (°C)	13.74	13.80	13.81	13.83	13.81	13.83
Conductivity (μmhos/cm)	312	295	284	279	269	270
Dissolved Oxygen (mg/L)	0.32	0.24	0.20	0.19	0.19	0.17
Turbidity (NTU)	382	153	130	100	118	74
Eh (mv)	-315	-321	-322	-324	-319	-323

TOTAL QUANTITY OF WATER REMOVED (L): 60

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1405
SAMPLING DATE: 4-26-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-18-59-MW71
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

Diffusion BN-18-59-MW71 S 1305 MS/MSD pH 6.60 DO 1.09
M 1310 temp 12.66 Eh 131
lowest flow rate possibly D 1315 Cond 343

EA Engineering, Science, and Technology

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

Site Name: Site 1		Project No.: 2460047	Date: 4-26-01
Well ID: MW-NASB-71		Field Personnel: SC RW	

Parameter	6	7	8	9	10	11
Time (min.)	1353	1357	1401			
Depth to Water (ft)	2.30	2.31	2.31			
Purge Rate (L/min)	1.5	1.5	1.5			
Volume Purged (L)	42	48	54			
pH	6.41	6.40	6.39			
Temperature (°C)	13.85	13.85	13.85			
Conductivity (μmhos/cm)	265	263	259			
Dissolved Oxygen (mg/L)	0.17	0.17	0.17			
Turbidity (NTU)	34	34	34			
Eh (mv)	-325	-325	-327			

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: 29600047
WELL I.D.: MW-NASB-72
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: sunny, 50°

GAUGE DATE: 4-26-01
GAUGE TIME: 1030
SOUNDING METHOD: Slope indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.25
WELL DIAMETER (in.): 2

PURGE DATE: 4-26-01
PURGE TIME: 1125
PURGE METHOD: Low Flow
FIELD PERSONNEL: RW SC
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 14.60
B. DEPTH TO WATER (ft): 9.00
C. LIQUID DEPTH (ft) (A-B): 5.6
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 3.4
F. THREE WELL VOLUMES (L) (E*3): 10

Parameter	Beginning	1	2	3	4	5
Time (min)	1129	1135	1140	1145	1150	1155
Depth to Water (ft)	9.21	9.18	9.18	9.18	9.18	9.18
Purge Rate (L/min)	0.2	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	0.8	2	3	4	5	6
pH	4.91	5.69	5.94	5.98	6.02	6.06
Temperature (°C)	11.00	11.19	11.45	11.51	11.72	11.96
Conductivity (μmhos/cm)	77	71	75	78	80	81
Dissolved Oxygen (mg/L)	5.74	5.62	5.47	5.43	5.36	5.50
Turbidity (NTU)	289	66	34	25	18	14
Eh (mv)	-207	-210	-213	-213	-212	-213

TOTAL QUANTITY OF WATER REMOVED (L): 10

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1210
SAMPLING DATE: 4-26-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-18-S9-MW72
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

BN-18-S9-MW 72S 1035 pH 6.20 DO 6.98
temp 7.78 Eh 51
D 1045 Cond 61

EA Engineering, Science, and Technology

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

Site Name: Site9	Project No.: 2960047	Date: 4-26-01
Well ID: MW-NASB-72	Field Personnel: SC RW	

Parameter	6	7	8	9	10	11
Time (min.)	1159	1203	1207			
Depth to Water (ft)	9.18	9.18	9.18			
Purge Rate (L/min)	0.2	0.2	0.2			
Volume Purged (L)	6.8	7.6	8.4			
pH	6.09	6.09	6.10			
Temperature (°C)	12.00	12.30	12.51			
Conductivity (μmhos/cm)	83	84	86			
Dissolved Oxygen (mg/L)	5.16	5.17	5.17			
Turbidity (NTU)	12	11	12			
Eh (mv)	-215	-213	-213			

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: Site9
PROJECT NUMBER: 2960047
WELL I.D.: MW-NASB-74
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: Sunny 50°

GAUGE DATE: 4-26-01
GAUGE TIME: 1000
SOUNDING METHOD: Slope indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 1.9
WELL DIAMETER (in.): 2

PURGE DATE: 4-26-01
PURGE TIME: 1019
PURGE METHOD: Low Flow
FIELD PERSONNEL: SC RW
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 27.12
B. DEPTH TO WATER (ft): 9.14
C. LIQUID DEPTH (ft) (A-B): 17.98
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 11
F. THREE WELL VOLUMES (L) (E*3): 33

Parameter	Beginning	1	2	3	4	5
Time (min)	1024	1029	1039	1044	1049	1059
Depth to Water (ft)	9.40	9.49	9.51	9.51	9.51	9.51
Purge Rate (L/min)	0.2	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	1	2	4	5	6	7
pH	5.93	6.25	6.34	6.35	6.35	6.34
Temperature (°C)	12.59	13.35	13.58	13.66	13.72	13.85
Conductivity (μmhos/cm)	322	322	323	324	322	315
Dissolved Oxygen (mg/L)	0.89	0.31	0.29	0.28	0.29	0.27
Turbidity (NTU)	2451	894	368	253	194	106
Eh (mv)	-289	-303	-305	-306	-307	-311

TOTAL QUANTITY OF WATER REMOVED (L): 11

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1112

SAMPLING DATE: 4-26-01
DECONTAMINATION FLUIDS USED: none

SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL

SAMPLE BOTTLE IDs: BN-18-S9-MW74

SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

Diffusion BN-18-S9-DS745 950 ph 7.11 DO 0.82
M 955 temp 10.78 Eh 225
D 1000 cond 242

EA Engineering, Science, and Technology

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

Site Name: Site9	Project No.: 29160047	Date: 4-26-01
Well ID: MW-NASB-74	Field Personnel: SC RW	

Parameter	6	7	8	9	10	11
Time (min.)	1104	1109				
Depth to Water (ft)	9.51	9.51				
Purge Rate (L/min)	0.2	0.2				
Volume Purged (L)	8	9				
pH	6.33	6.34				
Temperature (°C)	13.85	13.85				
Conductivity (μmhos/cm)	316	317				
Dissolved Oxygen (mg/L)	0.27	0.26				
Turbidity (NTU)	102	103				
Eh (mv)	-311	-311				

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: 2160047
WELL I.D.: MW NASB-75
WELL LOCK STATUS: locked
WELL CONDITION: good
WEATHER: sunny, 40°

GAUGE DATE: 4-26-01
GAUGE TIME: 917
SOUNDING METHOD: slope indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.00
WELL DIAMETER (in.): 2

PURGE DATE: 4-26-01
PURGE TIME: 928
PURGE METHOD: Low Flow
FIELD PERSONNEL: SC RW
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): 12.80
C. LIQUID DEPTH (ft) (A-B): 8.42
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 5
F. THREE WELL VOLUMES (L) (E*3): 15

Parameter	Beginning	1	2	3	4	5
Time (min)	932	936	940	944	950	955
Depth to Water (ft)	12.94	13.01	13.02	13.03	13.04	13.04
Purge Rate (L/min)	0.2	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	0.8	1.6	2.4	3.2	4.4	5.4
pH	5.93	5.84	5.97	6.00	6.01	6.02
Temperature (°C)	10.65	13.50	14.94	15.31	15.47	15.51
Conductivity (μmhos/cm)	320	322	306	312	304	302
Dissolved Oxygen (mg/L)	1.67	0.83	0.59	0.49	0.55	0.60
Turbidity (NTU)	61	62	45	33	18	19
Eh (mv)	-234	-278	-294	-298	-290	-288

TOTAL QUANTITY OF WATER REMOVED (L): 8

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1002
SAMPLING DATE: 4-26-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BV-18-S1-MW 75
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

DIFFUSION BV-18-S1-MS-75S 900 pH 6.05 DO 0.11
M 905 temp 10.74 Eh 242
D 910 Cond 312

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 29600147	Date: 4-26-01
Well ID: MW-N4SB-75	Field Personnel: SC DW	

Parameter	6	7	8	9	10	11
Time (min.)	959					
Depth to Water (ft)	13.04					
Purge Rate (L/min)	0.2					
Volume Purged (L)	6.2					
pH	6.01					
Temperature (°C)	15.52					
Conductivity (μmhos/cm)	306					
Dissolved Oxygen (mg/L)	0.62					
Turbidity (NTU)	18					
Eh (mv)	-285					

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:	2960047
WELL I.D.:	MW-NASB-76	WELL LOCK STATUS:	locked
WELL CONDITION:	good	WEATHER:	Sunny, 50°
GAUGE DATE:	4-26-01	GAUGE TIME:	1220
SOUNDING METHOD:	Slope indicator	MEASUREMENT REF:	TOC
STICK UP/DOWN (ft):		WELL DIAMETER (in.):	2
PURGE DATE:	4-26-01	PURGE TIME:	1224
PURGE METHOD:	Low Flow	FIELD PERSONNEL:	RW SC
AMBIENT AIR VOCs (ppm)	Start: 0 End: 0	WELL MOUTH VOCs (ppm):	Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft):	19.94	D. WELL VOLUME/FT (L):	0.605
B. DEPTH TO WATER (ft):	10.86	E. WELL VOLUME (L) (C*D):	5.5
C. LIQUID DEPTH (ft) (A-B):	9.08	F. THREE WELL VOLUMES (L) (E*3):	16.5

Parameter	Beginning	1	2	3	4	5
Time (min)	~~10~~ 1234	1238	1242	1246	1249	1252
Depth to Water (ft)	10.98	11.00	11.08	11.10	11.12	11.14
Purge Rate (L/min)	0.25	0.25	0.25	0.25	0.25	0.25
Volume Purged (L)	250	3.5	4.5	5.5	6.25	7
pH	5.66	5.97	6.03	6.06	6.09	6.09
Temperature (°C)	14.75	13.34	12.81	12.83	12.82	12.83
Conductivity (μmhos/cm)	283	475	374	417	405	411
Dissolved Oxygen (mg/L)	0.98	0.98	0.84	0.70	0.69	0.66
Turbidity (NTU)	42	26	14	9	8	7
Eh (mv)	-260	-262	-268	-272	-274	-276

TOTAL QUANTITY OF WATER REMOVED (L): 9

SAMPLERS:	RW SC	SAMPLING TIME (START/END):	1255
SAMPLING DATE:	4-26-01	DECONTAMINATION FLUIDS USED:	none
SAMPLE TYPE:	Grab	SAMPLE PRESERVATIVES:	HCL
SAMPLE BOTTLE IDs:	BN-18-S9-MW76		
SAMPLE PARAMETERS:	VOC		

COMMENTS AND OBSERVATIONS:

DIFF.	BN-18-S9-DS765	1100	ph	6.12	DO	1.25
	M	1105	temp	11.95	EH	137
	D	1110	Cond	358		

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
PROJECT NUMBER: 29600.47
WELL I.D.: MW-NASB 079
WELL LOCK STATUS: good
WELL CONDITION: good
WEATHER: cloudy, cool

GAUGE DATE: 4/25/01
GAUGE TIME: 1345
SOUNDING METHOD: water level indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft):
WELL DIAMETER (in.): 2"

PURGE DATE: 4/25/01
PURGE TIME: 1350
PURGE METHOD: low flow
FIELD PERSONNEL: KB/BA
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 19.00
B. DEPTH TO WATER (ft): 10.53
C. LIQUID DEPTH (ft) (A-B): 8.47
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 5
F. THREE WELL VOLUMES (L) (E*3): 15

Parameter	Beginning	1	2	3	4	5
Time (min)	1352 *	1357	1402	1407	1412	1417
Depth to Water (ft)	10.53	10.69	10.75	10.69	10.69	10.69
Purge Rate (L/min)	.4	.4	.4	.4	.4	.4
Volume Purged (L)	0.8	2.8	4.8	6.8	8.8	10.8
pH	7.09	7.06	7.07	7.02	6.98	6.94
Temperature (°C)	11.39	11.61	11.95	11.83	12.04	12.07
Conductivity (μmhos/cm)	207	209	206	185	177	163
Dissolved Oxygen (mg/L)	0.81	0.32	0.31	0.64	0.90	1.16
Turbidity (NTU)	2600	225	131	72	42	28
Eh (mv)	-278	-284	-293	-267	-260	-253

TOTAL QUANTITY OF WATER REMOVED (L): 23

SAMPLERS: KB, BA
SAMPLING TIME (START/END): 1450
SAMPLING DATE: 4/25/01
DECONTAMINATION FLUIDS USED: DI
SAMPLE TYPE: GRAB
SAMPLE PRESERVATIVES: HNO_3
SAMPLE BOTTLE IDs: BN-18-59-MW 79
SAMPLE PARAMETERS: SVOC, metals
COMMENTS AND OBSERVATIONS: * water orange color (Fe)

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 29600.47	Date: 4/25/01
Well ID: MW-NASB-079	Field Personnel: KB, BF	

Parameter	6	7	8	9	10	11
Time (min.)	1422	1427	1432	1437	1440	1443
Depth to Water (ft)	10.68	10.68	10.68	10.68	10.68	10.68
Purge Rate (L/min)	.4	.4	.4	.4	.4	.4
Volume Purged (L)	12.8	14.8	16.8	18.8	20	21.2
pH	6.92	6.92	6.90	6.89	6.88	6.88
Temperature (°C)	12.10	12.12	11.94	11.98	12.05	12.03
Conductivity (μmhos/cm)	166	162	155	152	155	154
Dissolved Oxygen (mg/L)	1.16	1.80	1.22	1.33	1.41	1.44
Turbidity (NTU)	23	18	13	9	8	8
Eh (mv)	-252	-237	-245	-241	-240	-239

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
WELL I.D.: MW-N ASB-21
WELL CONDITION: good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: overcast

GAUGE DATE: 4-25-01
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft):

GAUGE TIME: 1234
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 4-25-01
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1257
FIELD PERSONNEL: SC RW
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft):
B. DEPTH TO WATER (ft): 10.42
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)	1301	1305	1309	1313	1317	1321
Depth to Water (ft)	10.68	10.70	10.71	10.74	10.75	10.76
Purge Rate (L/min)	0.25	0.25	0.25	0.25	0.25	0.25
Volume Purged (L)	1	2	3	4	5	6
pH	6.25	6.22	6.19	6.19	6.18	6.17
Temperature (°C)	13.30	14.55	14.93	15.06	15.15	15.24
Conductivity (μmhos/cm)	290	291	287	283	282	281
Dissolved Oxygen (mg/L)	0.67	0.13	0.06	0.04	0.02	0.04
Turbidity (NTU)	506	313	182	114	76	56
Eh (mv)	118	68	65	64	62	60

TOTAL QUANTITY OF WATER REMOVED (L): 14

SAMPLERS: RW, SC
SAMPLING TIME (START/END): 1350
SAMPLING DATE: 4-25-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL, HNO_3
SAMPLE BOTTLE IDs: BN-18-S1-MW21 BN-18-S1-MW XD2
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:
BN-18 S9-DS2DS 1235 ph - 6.54 DO - 1.10
D 1240 temp - 13.46 Eh - 78
cond - 370

EA Engineering, Science, and Technology

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

Site Name: Site9	Project No.: 29600047	Date: 4-25-01
Well ID: MW-NASB-21	Field Personnel: SC, RW	

Parameter	6	7	8	9	10	11
Time (min.)	1325	1329	1333	1337	1341	1345
Depth to Water (ft)	10.76	10.77	10.78	10.79	10.79	10.80
Purge Rate (L/min)	0.25	0.25	0.25	0.25	0.25	0.25
Volume Purged (L)	7	8	9	10	11	12
pH	6.16	6.16	6.16	6.16	6.16	6.16
Temperature (°C)	15.34	15.38	15.43	15.49	15.49	15.51
Conductivity (μmhos/cm)	279	278	277	277	277	276
Dissolved Oxygen (mg/L)	0.08	0.11	0.10	0.10	0.07	0.06
Turbidity (NTU)	35	28	21	14	9	9
Eh (mv)	59	58	56	54	54	53

Parameter	12	13	14	15	16	17
Time (min)	1348					
Depth to Water (ft)	10.81					
Purge Rate (L/min)	0.25					
Volume Purged (L)	13					
pH	6.15					
Temperature (°C)	15.56					
Conductivity (μmhos/cm)	276					
Dissolved Oxygen (mg/L)	0.05					
Turbidity (NTU)	2					
Eh (mv)	53					

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site9
WELL I.D.: MW-NAS1322
WELL CONDITION: Good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: overcast, 40°

GAUGE DATE: 4-25-01
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft):

GAUGE TIME: 1013
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 4-25-01
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1036
FIELD PERSONNEL: SC RW
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 17.97
B. DEPTH TO WATER (ft): 8.87
C. LIQUID DEPTH (ft) (A-B): 9.1

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 5.5
F. THREE WELL VOLUMES (L) (E*3): 16.5

Parameter	Beginning	1	2	3	4	5
Time (min)	1040	1044	1048	1052	1055	1058
Depth to Water (ft)	9.01	9.07	9.09	9.11	9.12	9.12
Purge Rate (L/min)	0.25	0.25	0.25	0.25	0.25	0.25
Volume Purged (L)	1	2	3	4	4.8	5.5
pH	3.01	4.63	5.44	5.74	5.82	5.87
Temperature (°C)	6.17	7.42	8.80	9.21	9.37	9.41
Conductivity (μmhos/cm)	~~742~~ SC 78	70	78	71	71	74
Dissolved Oxygen (mg/L)	10.54	10.08	10.05	10.13	10.12	10.12
Turbidity (NTU)	364	148	16	3	8	7
Eh (mv)	336	311	298	291	288	286

TOTAL QUANTITY OF WATER REMOVED (L): 6

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1100
SAMPLING DATE: 4-25-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-18-S9-MW22
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

BN-18-S9-DS22S 1020 pH 6.37 DO 11.05
M 1025 temp 6.21 Eh -25
D 1030 cond 53

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB 227
WELL CONDITION: good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: Overcast, 40°

GAUGE DATE: 4-25-01
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft):

GAUGE TIME: 851
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 4-25-01
PURGE METHOD: Low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 925
FIELD PERSONNEL: RW SC
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 40.60
B. DEPTH TO WATER (ft): 9.17
C. LIQUID DEPTH (ft) (A-B): 31.43

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 19
F. THREE WELL VOLUMES (L) (E*3): 57

Parameter	Beginning	1	2	3	4	5
Time (min)	929	933	937	941	945	951
Depth to Water (ft)	9.27	9.31	9.34	9.36	9.36	9.37
Purge Rate (L/min)	0.3	0.3	0.3	0.3	0.3	0.3
Volume Purged (L)	1.2	2.4	3.6	4.8	6	7.8
pH	3.31	5.07	5.46	5.10	5.29	5.67
Temperature (°C)	11.25	12.65	13.28	13.53	13.66	13.76
Conductivity (μmhos/cm)	233	247	239	235	237	238
Dissolved Oxygen (mg/L)	1.76	0.95	0.75	0.79	0.70	0.63
Turbidity (NTU)	665	508	455	193	113	38
Eh (mv)	228	166	142	154	156	164

TOTAL QUANTITY OF WATER REMOVED (L): 14

SAMPLERS: RW SC
SAMPLING TIME (START/END): 1010
SAMPLING DATE: 4-25-01
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-1859-MW227
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

Diffusion S 855 MS/MSD BN-1859-DS227S ph 6.56 DO 0.86
M 900 227M temp 12.45 Eh 207
D 905 227D Cond 223

EA Engineering, Science, and Technology

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

Site Name: Site9	Project No.: 2960047	Date: 4-25-01
Well ID: MW-NASB-227	Field Personnel: SC RW	

Parameter	6	7	8	9	10	11
Time (min.)	955	959	1002	1005		
Depth to Water (ft)	9.37	9.37	9.38	9.38		
Purge Rate (L/min)	0.3	0.3	0.3	0.3		
Volume Purged (L)	9	10.2	11.1	12		
pH	5.71	5.75	5.77	5.77		
Temperature (°C)	13.79	13.81	13.84	13.84		
Conductivity (μmhos/cm)	236	242	236	235		
Dissolved Oxygen (mg/L)	0.60	0.55	0.52	0.52		
Turbidity (NTU)	15	4	7	8		
Eh (mv)	167	170	173	174		

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

Site Name: Site 9			Project Number: 2960047
Sample Location ID: SW-10			Date: 2 May 01
Sampling Time:	~~Start~~ water 1445	~~End~~ sediment:	Sample Team Members: BAR W

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 1 (ft)

Depth of Sample from Top of Water 0.8 (ft)

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

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

Water Quality Parameters
( ) Temperature 18.7 °C
( ) Conductivity 319 µmhs/cm
( ) ph 6.76 units
( ) Dissolved oxygen 8.35 mg/L
( ) Turibidity 9 NTU
( ) Eh 67 mv

Velocity Measurements Obtained? ( ) No (X) Yes, See Flow Measurement Data Record 0.2 Ft/sec

Field QC Data: (X) Field Duplicate Collected
Duplicate ID XD1
( ) MS/MSD

Sample Location Sketch:
( ) Yes
( ) No

Method Used:
( ) Winkler
( ) Probe

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
( ) Odor _____
( ) Color gray/brown
( ) _____

Field QC Data: (X) Field Duplicate Collected
Duplicate ID XD1
(X) MS/MSD

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-18-59-SW10
✓	✓		✓	120ml	✓	BN-18-59-SWXD1
✓		✓	✓	40ml	✓	BN-18-59-SD010
✓		✓	✓	40ml	✓	BN-18-59-SDXD1

NOTES/SKETCH

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 2960047
Sample Location ID: LT-901			Date: 2 May 01
Sampling Time:	Start:	End:	Sample Team Members: RW BA

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 0.6 (ft)

Depth of Sample from Top of Water 0.5 (ft)

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

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

Water Quality Parameters
( ) Temperature 17.72°C
( ) Conductivity 228 µmhs/cm
( ) ph 6.70 units
( ) Dissolved oxygen 4.23 mg/L
( ) Turibidity 95 NTU
( ) Eh 7 mv

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

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID _____
(X) 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
( ) Stainless Steel Auger
( ) _____

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 _____
( ) MS/MSD

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
✓	✓		✓	360ml	✓	BN-18-59-LT901

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 43 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 (4 trip blanks, 3 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 duplicates (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 18. 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.

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	✔	✔	✔	100%✔	100%✔
	Metals	✔	✔	✔	✔	NA	✔	✔	100%✔	100%✔
	SVOC	✔	✔	✔	✔	✔	✔	✔	100%✔	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.
- NA = The quality measurement does not apply to this matrix or analytical methodology.
- SVOC = Semivolatile organic compound.

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

C.1.1 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 blank and the field rinsate blank were also associated with samples collected at Sites 1 and 3 and Eastern Plume under a separate SDG.

C.1.2 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. Sediment samples were collected for analysis of Target Compound List 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

The analytical precision was determined to be acceptable and the aqueous and sediment volatile organic data usable as reported based on the review of laboratory precision. 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 4 samples (MW-NASB-227 [shallow], MW-NASB-071 [shallow], LT-901 [seep], and SD-010). There were no monitoring well and surface water samples designated for MS/MSD analyses, therefore, no monitoring well and surface water samples were evaluated for analytical precision. The leachate seep 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 diffusion sample MS/MSD RPDs were within the established control limits in Sample MW-NASB-227 (shallow) with the exception of 2-butaone (31 percent), 1,1-dichloroethene (21 percent), and vinyl chloride (27 percent) in Sample MW-NASB-071 (shallow) and 1,4-dichlorobenzene (41 percent), 1,1,1-trichloroethane (58 percent), bromoform (31 percent), bromodichloromethane (35 percent), benzene (54 percent), 4-methyl-2-pentanone (31 percent), 2-hexanone (26 percent), carbon disulfide (49 percent), 2-butanone (30 percent), carbon tetrachloride (70 percent), 1,3-dichlorobenzene (44 percent), 1,2-dichloropropane (38 percent), 1,2-dichloroethane (37 percent), 1,2-dichlorobenzene (38 percent), 1,1-dichloroethene (62 percent), 1,1-dichloroethane (36 percent), 1,1,2-trichloroethane (30 percent), 1,1,2,2-tetrachloroethane (23 percent), styrene (43 percent), trichloroethene (44 percent), *trans*-1,3-dichloropropene (38 percent), total xylenes (49 percent), total 1,2-dichloroethene (39 percent), toluene (45 percent), bromomethane (40 percent), tetrachloroethene (56 percent), vinyl chloride (76 percent), methylene chloride (26 percent), ethylbenzene (48 percent), dibromochloromethane (31 percent), *cis*-1,3-dichloropropene (46 percent), chloromethane (59 percent), chloroform (32 percent), chloroethane (48 percent), and chlorobenzene (40 percent), which were reported outside the control limits for these compounds. The results for 2-butaone and 1,1-dichloroethene in Sample MW-NASB-071 (shallow) and 1,4-dichlorobenzene, 1,1,1-trichloroethane, bromoform, bromodichloromethane, benzene, 4-methyl-2-pentanone, 2-hexanone, carbon disulfide, 2-butanone, carbon tetrachloride, 1,3-dichlorobenzene, 1,2-dichloropropane, 1,2-dichloroethane, 1,2-dichlorobenzene, 1,1-dichloroethene, 1,1-dichloroethane, 1,1,2-trichloroethane, 1,1,2,2-tetrachloroethane, styrene, *trans*-1,3-dichloropropene, total xylenes, toluene, bromomethane, ethylbenzene, dibromochloromethane, *cis*-1,3-dichloropropene, chloromethane, chloroform, chloroethane, and chlorobenzene in Sample MW-NASB-227 (shallow) suggest potential high biases for these compounds. However, because these compounds were not detected in the diffusion samples, the data are usable as reported.

The positive results for vinyl chloride in 6 samples (MW-NASB-069 [shallow], MW-NASB-069 [mid], MW-NASB-069 [deep], MW-NASB-069 DUP [shallow], MW-NASB-069 DUP [mid], and MW-NASB-069 DUP [deep]) and the non-detect results in 14 samples (MW-NASB-071 [mid], MW-NASB-071 [deep], MW-NASB-072 [shallow], MW-NASB-072 [deep], MW-NASB-074 [shallow], MW-NASB-074 [mid], MW-NASB-074 [deep], MW-NASB-075 [shallow], MW-NASB-075 [mid], MW-NASB-075 [deep], MW-NASB-076 [shallow], MW-NASB-076 [mid], MW-NASB-076 [deep], and MW-NASB-071 [shallow]) should be considered estimated with a low bias. The results for total 1,2-dichloroethene in 6 samples (MW-NASB-069 [shallow], MW-NASB-069 DUP [shallow], MW-NASB-227 [shallow], MW-NASB-227 [deep], MW-NASB-227 [mid], and MW-NASB-069 DUP [deep]) should be considered estimated with a low bias. The results for trichloroethene in 3 samples (MW-NASB-227

[shallow], MW-NASB-227 [mid], and MW-NASB-227 [deep]) should be considered estimated with a low bias. The results for tetrachloroethene in 3 samples (MW-NASB-227 [shallow], MW-NASB-227 [mid], and MW-NASB-227 [deep]) should be considered estimated with a low bias. The results for methylene chloride in the trip blank (QT-002) should be considered estimated with a low bias.

The sediment sample MS/MSD RPDs were within the established control limits in Sample SED-010 with the exception of acetone (47 percent), 4-methyl-2-pentanone (38 percent), 2-hexanone (48 percent), carbon disulfide (36 percent), 2-butanone (61 percent), carbon tetrachloride (38 percent), 1,1-dichloroethene (33 percent), trichloroethene (33 percent), total 1,2-dichloroethene (32 percent), tetrachloroethene (38 percent), vinyl chloride (37 percent), and chloroethane (42 percent). The results for 4-methyl-2-pentanone, 2-hexanone, carbon disulfide, 2-butanone, carbon tetrachloride, 1,1-dichloroethene, trichloroethene, total 1,2-dichloroethene, tetrachloroethene, and chloroethane suggest that there is a potential low bias that could be applied. However, none of these compounds were detected in the sediment samples, therefore, the data are usable as reported. The results for vinyl chloride suggest that there is a potential low bias that could be applied. However, the MS/MSD recoveries are within the control limits, therefore, the usability of the data is not affected and no actions are required. The results for acetone in Sample SED-010 should be considered estimated with a low bias.

C.3.2 Target Analyte List Metals

The sediment laboratory duplicate precision measurements were within the laboratory control limits, therefore, the sediment 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-079.

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-079.

The monitoring well sample MS/MSD RPDs were within the established control limits with the exception of 3,3’-dichlorobenzidine (49 percent), 4,6-dinitro-2-methylphenol (190 percent), 2-methylphenol (52 percent), 4-methylphenol (69 percent), 4-nitrophenol (200 percent), 4-chloro-3-methylphenol (78 percent), 2,4,5-trichlorophenol (180 percent), 2-nitrophenol (180 percent), 2,4-dichlorophenol (170 percent), 2,4-dinitrophenol (200 percent), 2-chlorophenol (170 percent), 2,4,6-trichlorophenol (180 percent), pentachlorophenol (190 percent), and phenol (150 percent). The results for the above mentioned compounds suggest potential biases; however, since these compounds were not detected in the monitoring well samples, the data are usable as reported.

C.4 ACCURACY

C.4.1 Volatile Organic Compounds

The surface water, leachate seep, sediment, diffusion, and low-flow ground-water samples collected from monitoring well 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.

Based on the conformance of MS/MSD and accuracy of LCS recoveries, analytical results are usable as reported. 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 carbon disulfide (53 and 58 percent), 1,1-dichloroethene (47 and 59 percent), tetrachloroethene (54 and 58 percent), and vinyl chloride (50 percent) in Sample MW-NASB-071 (shallow) and 1,4-dichlorobenzene (52 percent), 1,1,1-trichloroethane (40 percent), benzene (52 percent), acetone (54 and 54 percent), carbon disulfide (37 percent), carbon tetrachloride (37 percent), 1,3-dichlorobenzene (52 percent), 1,2-dichlorobenzene (58 percent), 1,1-dichloroethene (32 percent), 1,1-dichloroethane (56 percent), trichloroethene (43 percent), total xylenes (49 percent), total 1,2-dichloroethene (48 percent), toluene (52 percent), bromomethane (45 percent), tetrachloroethene (36 percent), vinyl chloride (29 percent), methylene chloride (45 and 59 percent), ethylbenzene (47 percent), *cis*-1,3-dichloropropene (55 percent), chloromethane (38 percent), chloroethane (41 percent), and chlorobenzene (56 percent) in Sample MW-NASB-227 (shallow).

The recoveries for carbon disulfide, 1,1-dichloroethene, 1,4-dichlorobenzene, 1,1,1-trichloroethane, benzene, carbon tetrachloride, 1,3-dichlorobenzene, 1,2-dichlorobenzene, 1,1-dichloroethene, 1,1-dichloroethane, total xylenes, toluene, bromomethane, ethylbenzene, *cis*-1,3-dichloropropene, chloromethane, chloroethane, and chlorobenzene were below the QAPP limits. As none of these recoveries grossly exceeded the control limits, and the SMC recoveries alone were acceptable, the usability of the data is unaffected.

The results for vinyl chloride, trichloroethene, total 1,2-dichloroethene, tetrachloroethene, and methylene chloride were qualified as estimated based on both MS/MSD RPDs and MS/MSD recoveries (see Section C.3.1). The data user should note that the positive results for acetone in Samples MW-NASB-069 (shallow), MW-NASB-069 (mid), MW-NASB-069 (deep), and MW-NASB-071 (mid) should be considered false-positive due method blank contamination and, therefore, the accuracy criteria would not apply (see Section C.6 for discussion).

The leachate seep sample MS/MSD recoveries were within the established control limits, with the exception of 1,1,1-trichloroethane (53 and 52 percent), carbon disulfide (47 and 48 percent), carbon tetrachloride (48 and 45 percent), 1,1-dichloroethene (44 and 46 percent), trichloroethene (58 and 56 percent), bromomethane (48 and 54 percent), tetrachloroethene (52 and 51 percent), methylene chloride (49 and 47 percent), chloromethane (51 and 52 percent), and chloroethane (58 and 57 percent). The recoveries for the above mentioned compounds were below the QAPP limits. As none of these recoveries grossly exceeded the control limits, and the SMC recoveries alone were acceptable, the usability of the data is unaffected.

The sediment sample MS/MSD recoveries were within the established control limits, with the exception of 1,4-dichlorobenzene (57 percent), acetone (53 percent), 4-methyl-1,2-pentanone (192 percent), 2-hexanone (172 percent), 2-butanone (223 percent), 1,2-dichloroethane (141 percent), 1,2-dichlorobenzene (58 percent), and 1,1,2,2-tetrachloroethane (172 and 154 percent). The results for 1,4-dichlorobenzene, 4-methyl-1,2-pentanone, 2-hexanone, 2-butanone, 1,2-dichloroethane, 1,2-dichlorobenzene, and 1,1,2,2-tetrachloroethane suggest potential biases for these compounds. However, since these compounds were not detected in the sediment samples, the data are usable as reported. The positive result for acetone was qualified as estimated based on both MS/MSD RPDs and MS/MSD recoveries (see Section C.3.1 for discussion).

All 40 VOCs were used to quantify the LCS recoveries against laboratory established control limits. The sediment LCS recoveries were compliant. All sediment data are usable based on the review of the LCS accuracy. Aqueous LCS recoveries were within laboratory established control limits, with the exception of methylene chloride (59 percent) for the diffusion samples. The results for methylene chloride were qualified as estimated in Sample QT-002 due to MS/MSD RPDs and MS/MSD recoveries (see Section C.3.1 for discussion).

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, therefore, all ground-water data are usable as reported based on the review of MS accuracy.

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.

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: 3,3'-dichlorobenzidine (49 percent), 4,6-dinitro-2-methylphenol (1.2 percent), 2-methylphenol (46 percent), 4-methylphenol (42 percent), 4-nitrophenol (0 percent), 4-chloro-3-methylphenol (36 percent), 2,4,5-trichlorophenol (5.0 percent), 2-nitrophenol (4.7 percent), 2,4-dichlorophenol (5.6 percent), 2,4-dinitrophenol (0), 2-chlorophenol (6.3 percent), 2,4,6-trichlorophenol (4.1 percent), hexachlorocyclopentadiene (27 and 27 percent), pentachlorophenol (2.8 percent), and phenol (11 percent). The results for the above-mentioned compounds suggest potential low bias. However, since these compounds were not detected in the monitoring well samples, the data are usable as reported.

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 bis(2-ethylhexyl) phthalate (139 percent), butylbenzylphthalate (140 percent), di-N-octylphthalate (150 percent), hexachlorocyclopentadiene (37 percent), and N-nitrosodiphenylamine (130 percent). As none of these recoveries grossly exceeded the control limits, and the SMC recoveries alone were acceptable, the usability of the data is unaffected. The data are usable as reported based on the review of LCS accuracy.

C.5 COMPLETENESS

Usable analytical data were available for all analytes/compounds for all field samples, and total analytical completeness is 100 percent.

Forty-four of the planned 44 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 4 trip blanks were collected for Site 9. There were 3 rinsate blanks collected (associated with the surface water/seep samples and the sediment samples) and 1 field blank collected (associated with the diffusion samples). In addition, 2 source water blanks (QD-001 associated with the 2 rinsate blanks and DSDQ1 associated with the field blank) 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 4 trip blanks, 3 equipment rinsate blanks, and 2 source water blanks. The rinsate blank (QS-001) associated with the collection of surface water sampling, the rinsate blank (QS-002) associated with the collection of sediment sampling, the field blank (DSQS1) associated with the collection of the diffusion sampling, and the source water blank (QD-001) associated with the collection of surface water and sediment sampling, and the source water blank (DSQD1) associated with the collection of 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: bromomethane, tetrachloroethene, ethylbenzene, methylene chloride, total xylenes, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, acetone, and toluene.

The positive acetone results for 13 samples (MW-NASB-069 [shallow], MW-NASB-069 [mid], MW-NASB-069 [deep], MW-NASB-071 [mid], MW-NASB-069 DUP [deep], MW-NASB-021 [shallow], MW-NASB-021 [deep], MW-NASB-022 [shallow], MW-NASB-022 [mid], MW-NASB-022 [deep], MW-NASB-227 [mid], MW-NASB-227 [deep], and MW-NASB-227 [shallow]) should be considered false-positives due to method blank contamination.

C.6.2 Trip Blanks

The field quality control blanks collected for this site included 4 trip blanks. The trip blanks (QT-002, QT-003, QT-004, and QT-005) were analyzed for VOCs and no 8620B VOCs were reported with the exception of methylene chloride. Methylene chloride was not detected in any of the aqueous environmental samples. Therefore, the analytical results of the trip blanks indicate that there was no cross-contamination of VOCs during sample shipment for aqueous samples.

C.6.3 Rinsate Blank

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	S1-QD-001	S9-QS-001	S9-QS-002
Acetone	µg/L	4J	(<5U)	(<5U)

NOTE: J = Estimated concentration below detection limit.
U = Not detected. Sample quantitation limits are shown as (<___U).

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 (QD-001) and the rinsate blanks (QS-001 and QS-002) were reported free of VOC contamination, with the exception of acetone in the source water blank. The rinsate blanks were performed on the dedicated sampling equipment to show that the sampling equipment was free of contamination.

C.6.4 Field Blanks

The results of the field blank (EP-QS-001) and associated source water blank (EP-QD-001) associated with the diffusion samples taken at Site 9 are shown in the table below:

Compound	Units	EP-QD-001	EP-QS-001
Benzene	µg/L	(<1U)	2
Acetone	µg/L	(<5U)	19

NOTE: U = Not detected. Sample quantitation limits are shown as (<___U).

The analytical results of the field blank and source water blank indicate that there was minor VOC contamination present. The positive results for acetone in 15 samples (MW-NASB-069 DUP [mid], MW-NASB-069 DUP [shallow], MW-NASB-071 [deep], MW-NASB-071 [shallow], MW-NASB-072 [deep], MW-NASB-072 [shallow], MW-NASB-074 [deep], MW-NASB-074 [mid], MW-NASB-074 [shallow], MW-NASB-075 [deep], MW-NASB-075 [mid], MW-NASB-075 [shallow], MW-NASB-076 [deep], MW-NASB-076 [mid], and MW-NASB-076 [shallow]) should be considered false-positive due to field blank contamination.

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-021, MW-NASB-216 DUP, MW-NASB-069 [shallow], MW-NASB-069 DUP [shallow], MW-NASB-069 [mid], MW-NASB-069 DUP [mid], MW-NASB-069 [deep], MW-NASB-069 DUP [deep], SED-010, SED-010 DUP, SW-010, and SW-010 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 I 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, sediment 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	44	51	15	---
Vinyl chloride	µg/L	53	57	7	---
Aluminum	µg/L	90.1B*	98.2B*	NA	8.1
Barium	µg/L	9.7	8.4	NA	1.3
Calcium	µg/L	6,980	7,340	5	NR
Chromium	µg/L	0.82B*	(<0.57U)	NA	0.53
Cobalt	µg/L	1.2B*	(<0.84U)	NA	0.78
Iron	µg/L	407	337	NA	70
Lead	µg/L	2.0B*	(<1.48U)	NA	1.26
Magnesium	µg/L	2,880	3,000	4	NR
Manganese	µg/L	488	516	6	NR
Nickel	µg/L	2.5B*	2.0B*	NA	0.5
Potassium	µg/L	1,150	1,590	NA	80
Sodium	µg/L	62,500	64,200	3	NR
Vanadium	µg/L	1.3B*	1.3B*	NA	0
Zinc	µg/L	2.7B*	1.6B*	NA	1.1

NOTE: B* = Analyte concentration is between the IDL and the CRDL.
NA = Not applicable; analyte concentration was less than 5 times the reporting limit.
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.

All precision requirements were met for organic and inorganic results for the duplicate analyses of Sample MW-NASB-069; the results are usable as reported.

The second set of field duplicate sample results for the ground-water samples associated with SDG S9MW069 (MW-NASB-021) had no VOCs detected and, therefore, met all precision requirements. The analytical results for MW-NASB-021 are usable as reported based on review of the field duplicate precision.

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

Compound	Units	MW-NASB-069 (shallow)	MW-NASB-069 DUP (shallow)	RPD%
Total 1,2-Dichloroethene	µg/L	36	29	**40**
Acetone	µg/L	12B	14	15
Vinyl chloride	µg/L	30	15	**66.7**

NOTE: 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 vinyl chloride and total 1,2-dichloroethene. The results for total 1,2-dichloroethene should be considered estimations of their true concentrations in Sample MW-NASB-069 (shallow). The data user should note that the results for vinyl chloride were previously qualified as estimated based on precision criteria (see Section C.3.1 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-069 (mid)	MW-NASB-069 DUP (mid)	RPD%
Total 1,2-Dichloroethene	µg/L	67	58	14
Acetone	µg/L	14B	14	0
Vinyl chloride	µg/L	50	43	15

NOTE: B = Compound detected in associated method blank.

All precision requirements were met for the field duplicate analyses; the results are usable as reported.

The following table shows the set of field duplicate diffusion sample results that are associated with SDG S9DSXD1D:

Compound	Units	MW-NASB-069 (deep)	MW-NASB-069 DUP (deep)	RPD%
Total 1,2-Dichloroethene	µg/L	52	57	9
Acetone	µg/L	14B	16B	13
Vinyl chloride	µg/L	61	66	7

NOTE: B = Compound detected in associated method blank.

All precision requirements were met for the field duplicate analyses; the results are usable as reported.

The field duplicate sample results for the surface water samples associated with SDG S9LT901 (SW-010) had no VOCs detected and, therefore, met all precision requirements. The analytical results for SW-010 are usable as reported based on review of the field duplicate precision.

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

Compound	Units	SED-010	SED-010 DUP	RPD%
Vinyl chloride	µg/Kg	(<2U)	3	**100**
Methylene chloride	µg/Kg	4	3	29
Acetone	µg/Kg	30	(<6U)	**164**
Carbon disulfide	µg/Kg	(<1U)	4	**156**
Total 1,2-dichloroethene	µg/Kg	6	4	40

NOTE: U = Not detected. Sample quantitation limits are shown as (<__U).

All precision requirements were met for the field duplicate analyses with the exception of vinyl chloride, acetone, and carbon disulfide. The results for vinyl chloride and carbon disulfide were reported at or below the CRDL in the duplicate sample (SD-010 DUP), where the analytical measurement error is anticipated, and were not detected in the sample. Therefore, RPD discrepancies are not considered significant and the data are usable as reported. The data user should note that the results for acetone in Sample SD-010 were previously considered estimated due to precision criteria (see Section C.3.1 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

Date: 4/12/2000 12:35:17 PM

Matrix: AQ

Compound List: SIM VC

Instrument: 5973-U

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
41100	0.1	U3661-68

Analyst: HMP

Reviewed and Approved by:

Date: 041200

File:

Compound	Spike	U3661	U3662	U3663	U3664	U3665	U3666	U3667	U3668	AVG	STD DEV	MDL
VINYL CHLORIDE	0.10	0.09	0.07	0.10	0.08	0.10	0.09	0.08	0.09	0.09	0.01	0.03

Date: 3/29/2000 5:21:36 PM

Matrix: AQ

Compound List: sim vcl

Instrument: HP5972-M

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
32800	0.1	M4227-34

Analyst: HMP

Reviewed and Approved by:

File:

Date: 033000

Compound	Spike	M4227	M4228	M4229	M4230	M4231	M4232	M4233	M4234	AVG	STD DEV	MDL
VINYL CHLORIDE	0.10	0.12	0.11	0.10	0.10	0.09	0.09	0.09	0.09	0.10	0.01	0.03

Date: 2/26/2000 8:36:49 AM

Matrix: AQ

Compound List: SIM VCL

Instrument: HP5972F

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
22500	0.1	F4255-F4261

Analyst: KMC

Reviewed and Approved by:

File: FSIMWMDL.XLS

Date: 022800

Compound	Spike	F4255	F4256	F4257	F4258	F4259	F4260	F4261	AVG	STD DEV	MDL
VINYL CHLORIDE	0.10	0.14	0.17	0.16	0.16	0.15	0.13	0.14	0.15	0.01	0.04

Date: 2/26/2000 9:00:53 AM

Matrix: AQ

Compound List: SIM VCL

Instrument: HP5972S

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
22500	0.1	S8724-S8730

Analyst: KMC

Reviewed and Approved by: JB

Date: 022802

File: SSIMWMDL.XLS

Compound	Spike	S8724	S8725	S8726	S8727	S8728	S8729	S8730	AVG	STD DEV	MDL
VINYL CHLORIDE	0.10	0.21	0.20	0.18	0.20	0.20	0.20	0.18	0.20	0.01	0.04

Date: 1/31/2000 11:23:02 AM

Matrix: AQ

Compound List: 8260

Instrument: 5972-F

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
012700 and 020800	1.00,5.00	F3921-27 ;F4050-56

Analyst: KMC

Reviewed and Approved by: JB

Date: 020800

File: F0127MDL.XLS

Compound	Spike	F3921	F3922	F3923	F3924	F3925	F3926	F3927	AVG	STD DEV	MDL
1,1,1,2-TETRACHLOROETHANE	1.00	1.03	1.03	1.12	1.05	1.10	0.96	1.19	1.07	0.07	0.23
1,1,1-TRICHLOROETHANE	1.00	1.06	1.05	0.92	1.05	1.07	0.95	1.37	1.07	0.15	0.46
1,1,2,2-TETRACHLOROETHANE	1.00	0.90	0.98	0.94	1.02	0.93	0.90	1.17	0.98	0.10	0.30
1,1,2-TRICHLOROETHANE	1.00	0.97	0.99	0.90	1.05	0.91	0.91	1.09	0.97	0.07	0.23
1,1-DICHLOROETHANE	1.00	1.06	1.00	1.04	1.04	1.00	0.99	1.34	1.07	0.12	0.39
1,1-DICHLOROETHENE	1.00	0.93	0.88	0.96	0.78	0.89	0.74	1.21	0.91	0.15	0.48
1,1-DICHLOROPROPENE	1.00	1.08	1.01	1.05	0.94	0.99	0.92	1.47	1.07	0.19	0.59
1,2,3-TRICHLOROBENZENE	1.00	1.08	1.08	1.00	1.13	1.04	1.10	1.38	1.12	0.12	0.39
1,2,3-TRICHLOROPROPANE	1.00	0.91	1.04	0.99	1.00	0.92	0.93	1.20	1.00	0.10	0.32
1,2,4-TRICHLOROBENZENE	1.00	1.09	1.13	0.99	1.11	1.05	1.10	1.36	1.12	0.12	0.36
1,2,4-TRIMETHYLBENZENE	1.00	1.18	1.00	1.04	1.01	0.96	1.00	1.28	1.07	0.12	0.37
1,2-DIBROMO-3-CHLOROPROPANE	1.00	0.77	0.80	1.19	0.90	0.87	1.22	1.42	1.02	0.25	0.79
1,2-DIBROMOETHANE	1.00	0.94	0.98	0.94	0.93	0.92	0.97	1.04	0.96	0.04	0.13
1,2-DICHLOROBENZENE	1.00	1.05	1.09	1.07	1.05	1.01	1.06	1.31	1.09	0.10	0.31
1,2-DICHLOROETHANE	1.00	1.35	1.34	1.53	1.59	1.42	1.50	1.59	1.47	0.11	0.33
1,2-DICHLOROETHENE (CIS)	1.00	0.96	0.90	0.96	0.92	0.97	0.87	1.07	0.95	0.06	0.20
1,2-DICHLOROETHENE (TRANS)	1.00	1.10	0.92	0.89	0.94	0.94	0.97	1.28	1.01	0.14	0.43
1,2-DICHLOROPROPANE	1.00	1.06	0.96	1.05	0.99	1.00	0.86	1.20	1.02	0.10	0.33
1,3,5-TRICHLOROBENZENE	1.00	1.14	1.04	1.09	1.02	0.93	1.10	1.23	1.08	0.10	0.30
1,3,5-TRIMETHYLBENZENE	1.00	1.09	1.00	1.03	1.04	1.00	0.99	1.33	1.07	0.12	0.38
1,3-DICHLOROBENZENE	1.00	1.19	1.07	1.07	1.07	1.03	1.02	1.37	1.12	0.12	0.39
1,3-DICHLOROPROPANE	1.00	1.03	0.99	1.01	1.10	0.98	1.01	1.06	1.03	0.04	0.13
1,4-DICHLOROBENZENE	1.00	1.17	1.06	1.04	1.05	1.01	0.96	1.28	1.08	0.11	0.34
2,2-DICHLOROPROPANE	1.00	1.11	1.06	1.04	1.01	1.00	1.01	1.36	1.08	0.13	0.40
2-BUTANONE	1.00	0.75	1.03	0.67	1.23	0.85	0.78	0.85	0.88	0.19	0.60
2-CHLOROETHYLVINYLETHER	5.00	1.76	2.55	4.49	2.25	3.13	2.25	3.24	2.81	0.90	2.84
2-CHLOROTOLUENE	1.00	1.11	1.01	1.01	1.04	0.97	0.99	1.29	1.06	0.11	0.35
2-HEXANONE	1.00	1.37	0.97	1.00	1.07	0.90	0.96	1.04	1.04	0.15	0.48
4-CHLOROTOLUENE	1.00	1.17	1.05	1.04	1.10	1.01	0.97	1.38	1.10	0.14	0.43
4-METHYL-2-PENTANONE	1.00	1.12	1.00	0.82	1.26	1.01	0.92	1.01	1.02	0.14	0.44
ACETONE	1.00	0.87	1.12	0.99	1.04	0.81	1.17	1.00	1.00	0.13	0.40
ACROLEIN	5.00	3.13	4.12	4.98	2.32	3.53	0.96	1.81	2.98	1.39	4.35
ACRYLONITRILE	1.00	0.86	0.71	0.91	0.74	0.84	0.70	0.65	0.77	0.10	0.30
BENZENE	1.00	1.07	1.03	1.05	1.01	0.98	0.96	1.35	1.06	0.13	0.41

Date: 1/31/2000 11:23:02 AM

Matrix: AQ

Compound List: 8260

Instrument: 5972-F

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
012700 and 020800	1.00,5.00	F3921-27 ;F4050-56

Analyst: KMC

Reviewed and Approved by: Date:

File: F0127MDL.XLS

Compound	Spike	F3921	F3922	F3923	F3924	F3925	F3926	F3927	AVG	STD DEV	MDL
BROMOBENZENE	1.00	1.10	1.02	1.01	1.09	1.03	0.99	1.22	1.07	0.08	0.25
BROMOCHLOROMETHANE	1.00	1.11	1.07	1.07	1.09	1.07	1.05	1.05	1.07	0.02	0.07
BROMODICHLOROMETHANE	1.00	1.08	1.03	1.01	1.00	1.12	1.07	1.21	1.07	0.07	0.23
BROMOFORM	1.00	0.94	1.04	1.02	1.04	0.86	0.95	1.28	1.02	0.13	0.42
BROMOMETHANE	1.00	1.08	0.97	0.90	0.97	0.77	0.84	1.18	0.96	0.14	0.44
CARBON DISULFIDE	1.00	1.02	0.92	0.93	0.92	0.94	0.85	1.25	0.98	0.13	0.41
CARBON TETRACHLORIDE	1.00	1.05	1.01	1.05	1.13	1.03	1.00	1.47	1.11	0.17	0.52
CHLOROBENZENE	1.00	1.13	1.10	1.06	1.02	1.02	1.00	1.33	1.09	0.11	0.36
CHLOROETHANE	1.00	1.26	1.26	1.07	1.09	1.05	0.94	1.43	1.16	0.17	0.52
CHLOROFORM	1.00	0.93	0.90	0.96	0.97	0.92	0.88	1.21	0.97	0.11	0.35
CHLOROMETHANE	1.00	1.00	1.04	1.03	1.02	0.93	0.83	1.42	1.04	0.18	0.58
CIS-1,3-DICHLOROPROPENE	1.00	1.18	1.00	1.02	1.01	0.94	1.03	1.05	1.03	0.07	0.23
DIBROMOCHLOROMETHANE	1.00	1.01	1.10	1.03	1.11	1.07	0.93	1.27	1.07	0.11	0.33
DIBROMOMETHANE	1.00	0.94	1.09	1.05	0.96	1.05	0.93	1.08	1.01	0.07	0.22
DICHLORODIFLUOROMETHANE	1.00	1.07	0.99	1.08	1.03	1.08	0.97	1.16	1.05	0.06	0.20
DIETHYL ETHER	1.00	1.00	0.94	0.97	1.02	0.90	1.07	1.03	0.99	0.06	0.18
ETHYL METHACRYLATE	1.00	0.79	0.79	0.95	0.80	1.00	0.89	0.81	0.86	0.09	0.27
ETHYLBENZENE	1.00	1.08	0.98	1.02	0.98	0.97	0.97	1.37	1.05	0.15	0.46
FREON-113	1.00	1.10	0.93	0.87	0.94	0.95	0.97	1.01	0.97	0.07	0.23
HEXACHLOROBUTADIENE	1.00	1.08	1.20	1.04	1.04	0.92	1.02	1.35	1.09	0.14	0.44
ISOPROPYLBENZENE	1.00	1.11	1.03	1.01	0.98	0.96	0.95	1.32	1.05	0.13	0.41
M+P-XYLENE	2.00	2.24	2.03	2.13	2.03	1.95	1.97	2.66	2.14	0.25	0.78
METHYLENE CHLORIDE	1.00	1.39	1.47	1.40	1.56	1.25	1.35	1.50	1.42	0.10	0.32
MTBE	1.00	1.01	0.98	0.95	1.06	0.99	0.99	1.04	1.00	0.04	0.12
N-BUTYLBENZENE	1.00	1.05	0.97	0.98	0.93	0.91	0.90	1.28	1.00	0.13	0.42
N-PROPYLBENZENE	1.00	1.06	0.98	0.98	0.96	0.94	0.95	1.32	1.03	0.13	0.42
NAPHTHALENE	1.00	0.97	1.00	0.98	1.04	0.99	1.06	1.27	1.04	0.10	0.33
O-XYLENE	1.00	1.02	1.00	1.03	0.97	0.96	0.93	1.15	1.01	0.07	0.22
P-ISOPROPYLTOLUENE	1.00	1.06	0.99	1.05	0.96	0.93	0.91	1.35	1.04	0.15	0.47
SEC-BUTYLBENZENE	1.00	1.08	0.97	1.01	0.97	0.95	0.89	1.34	1.03	0.15	0.47
STYRENE	1.00	1.03	0.94	0.96	0.97	0.93	0.94	1.19	0.99	0.09	0.29
TERT-BUTYLBENZENE	1.00	1.19	1.02	1.01	0.98	0.96	0.95	1.38	1.07	0.16	0.50
TETRACHLOROETHENE	1.00	1.18	1.08	1.19	1.07	1.06	1.02	1.34	1.13	0.11	0.35
TETRAHYDROFURAN	5.00	5.00	4.29	3.33	2.64	3.75	3.17	3.32	3.64	0.79	2.47

Date: 1/31/2000 11:23:02 AM

Matrix: AQ

Compound List: 8260

Instrument: 5972-F

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
012700 and 020800	1.00,5.00	F3921-27 ;F4050-56

Analyst: KMC

Reviewed and Approved by: Date:

File: F0127MDL.XLS

Compound	Spike	F3921	F3922	F3923	F3924	F3925	F3926	F3927	AVG	STD DEV	MDL
TOLUENE	1.00	1.10	1.03	1.09	1.01	0.98	1.04	1.30	1.08	0.11	0.33
TRANS-1,3-DICHLOROPROPENE	1.00	1.00	1.03	1.08	1.01	1.01	1.01	1.18	1.05	0.07	0.20
TRICHLOROETHENE	1.00	1.11	0.97	1.04	1.06	1.01	0.99	1.33	1.07	0.12	0.39
TRICHLOROFLUOROMETHANE	1.00	1.09	0.95	1.06	1.00	1.07	1.05	1.23	1.06	0.09	0.27
VINYL ACETATE	1.00	0.92	0.83	0.86	0.86	1.07	0.64	0.64	0.83	0.15	0.48
VINYL CHLORIDE	1.00	1.04	0.99	0.93	0.86	0.82	0.82	1.19	0.95	0.14	0.42

Date: 1/5/2000 8:19:57 AM

Matrix: AQ

Compound List: 8260

Instrument: 5972-S

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
10400 AND 020400	1.00,2.00	S8093-96,S8098-S8100

S8542-748

Analyst: KMC

Reviewed and Approved by: JB

Date: 020702

File: S0104MDL.XLS

Compound	Spike	S8093	S8094	S8095	S8096	S8098	S8099	S8100	AVG	STD DEV	MDL
1,1,1,2-TETRACHLOROETHANE	1.00	1.05	1.05	1.06	1.01	0.99	1.06	1.02	1.03	0.03	0.09
1,1,1-TRICHLOROETHANE	1.00	1.07	1.20	1.11	1.06	1.04	0.91	0.96	1.05	0.10	0.30
1,1,2,2-TETRACHLOROETHANE	1.00	0.97	1.07	1.01	0.97	1.05	1.05	0.97	1.01	0.04	0.14
1,1,2-TRICHLOROETHANE	1.00	0.94	1.14	1.12	1.09	1.10	1.04	0.98	1.06	0.07	0.24
1,1-DICHLOROETHANE	1.00	1.08	1.17	1.17	1.11	1.22	1.05	1.05	1.12	0.07	0.21
1,1-DICHLOROETHENE	2.00	1.99	1.60	1.94	1.52	1.84	1.75	1.66	1.76	0.18	0.55
1,1-DICHLOROPROPENE	1.00	1.22	1.26	1.15	1.23	1.20	1.06	1.12	1.18	0.07	0.22
1,2,3-TRICHLOROBENZENE	1.00	1.41	1.16	1.07	1.01	1.00	0.90	0.82	1.05	0.19	0.60
1,2,3-TRICHLOROPROPANE	1.00	1.41	1.12	1.27	1.12	1.19	1.15	1.06	1.19	0.12	0.37
1,2,4-TRICHLOROBENZENE	1.00	1.25	1.15	1.08	1.14	1.04	0.96	0.88	1.07	0.12	0.39
1,2,4-TRIMETHYLBENZENE	1.00	1.06	1.09	0.99	0.89	0.89	0.92	0.83	0.95	0.10	0.30
1,2-DIBROMO-3-CHLOROPROPANE	1.00	1.31	1.29	0.67	1.09	1.07	1.00	0.67	1.01	0.26	0.82
1,2-DIBROMOETHANE	1.00	0.97	0.98	0.90	0.96	1.02	1.06	1.07	0.99	0.06	0.19
1,2-DICHLOROBENZENE	1.00	1.18	1.19	1.14	1.10	1.06	0.97	0.97	1.09	0.09	0.29
1,2-DICHLOROETHANE	1.00	1.36	1.50	1.50	1.45	1.53	1.47	1.41	1.46	0.06	0.19
1,2-DICHLOROETHENE (CIS)	1.00	1.01	1.14	1.10	0.99	1.11	1.01	1.00	1.05	0.06	0.20
1,2-DICHLOROETHENE (TRANS)	1.00	1.06	1.23	1.11	1.11	1.02	0.99	1.00	1.07	0.08	0.26
1,2-DICHLOROPROPANE	1.00	0.96	1.10	1.08	1.09	1.03	1.01	1.00	1.04	0.05	0.17
1,3,5-TRICHLOROBENZENE	1.00	1.22	1.31	1.26	1.08	1.03	0.87	0.97	1.11	0.16	0.51
1,3,5-TRIMETHYLBENZENE	1.00	1.06	1.12	1.02	0.99	0.97	0.88	0.92	0.99	0.08	0.26
1,3-DICHLOROBENZENE	1.00	1.12	1.12	1.07	1.06	1.11	1.03	0.91	1.06	0.07	0.23
1,3-DICHLOROPROPANE	1.00	1.04	1.15	1.15	1.11	1.13	0.97	1.09	1.09	0.07	0.21
1,4-DICHLOROBENZENE	1.00	1.18	1.20	1.12	1.06	1.10	1.03	0.99	1.10	0.08	0.24
2,2-DICHLOROPROPANE	1.00	1.06	0.96	1.07	0.91	0.98	0.91	0.83	0.96	0.09	0.27
2-BUTANONE	1.00	1.18	1.26	1.00	1.05	0.87	1.19	0.79	1.05	0.17	0.55
2-CHLOROETHYLVINYLETHER	1.00	0.88	0.80	0.75	0.58	0.86	0.75	0.86	0.78	0.10	0.33
2-CHLOROTOLUENE	1.00	1.18	1.13	1.10	1.09	1.04	1.01	0.94	1.07	0.08	0.25
2-HEXANONE	1.00	0.93	0.78	1.06	0.66	0.91	0.78	0.85	0.85	0.13	0.41
4-CHLOROTOLUENE	1.00	1.11	1.08	1.04	1.00	1.00	0.96	0.91	1.01	0.07	0.22
4-METHYL-2-PENTANONE	1.00	0.86	1.11	1.03	0.89	1.10	0.99	1.06	1.01	0.10	0.31
ACETONE	1.00	1.09	1.24	1.01	1.00	1.15	1.46	0.88	1.12	0.19	0.60
ACROLEIN	1.00	1.33	0.75	0.67	1.43	0.75	1.13	0.87	0.99	0.31	0.96
ACRYLONITRILE	1.00	0.95	0.81	1.23	1.06	0.92	1.23	1.02	1.03	0.16	0.49
BENZENE	2.00	2.13	2.15	2.18	2.00	2.04	2.05	2.01	2.08	0.07	0.23

Date: 1/5/2000 8:19:57 AM

Matrix: AQ

Compound List: 8260

Instrument: 5972-S

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
10400 AND 020400	1.00,2.00	S8093-96,S8098-S8100

Analyst: KMC

Reviewed and Approved by: Date:

File: S0104MDL.XLS

Compound	Spike	S8093	S8094	S8095	S8096	S8098	S8099	S8100	AVG	STD DEV	MDL
BROMOBENZENE	1.00	1.09	1.15	1.10	1.08	1.08	1.03	1.08	1.09	0.04	0.11
BROMOCHLOROMETHANE	1.00	1.16	1.18	1.06	1.02	1.06	1.16	1.05	1.10	0.07	0.21
BROMODICHLOROMETHANE	1.00	0.99	1.07	1.01	1.07	1.05	0.96	1.05	1.03	0.04	0.13
BROMOFORM	1.00	0.80	0.97	0.94	0.86	0.90	0.83	0.96	0.89	0.07	0.21
BROMOMETHANE	1.00	1.01	1.19	0.94	1.18	0.92	1.19	0.93	1.05	0.13	0.41
CARBON DISULFIDE	1.00	1.13	1.21	1.07	1.07	1.08	1.04	0.99	1.08	0.07	0.22
CARBON TETRACHLORIDE	1.00	1.02	1.02	1.10	1.07	1.00	0.96	0.99	1.02	0.05	0.15
CHLOROBENZENE	1.00	1.45	1.54	1.50	1.52	1.44	1.40	1.34	1.46	0.07	0.22
CHLOROETHANE	1.00	1.18	1.36	1.18	1.24	1.18	1.23	1.15	1.22	0.07	0.22
CHLOROFORM	1.00	1.17	1.13	1.07	1.13	1.13	1.12	1.11	1.12	0.03	0.09
CHLOROMETHANE	1.00	1.08	1.14	1.12	1.23	1.08	1.17	1.07	1.13	0.06	0.18
CIS-1,3-DICHLOROPROPENE	1.00	1.08	1.02	0.99	0.91	0.89	0.90	0.87	0.95	0.08	0.25
DIBROMOCHLOROMETHANE	1.00	0.99	1.05	1.00	0.93	0.96	0.93	0.92	0.97	0.05	0.15
DIBROMOMETHANE	1.00	1.02	1.15	1.01	1.06	1.17	1.14	1.04	1.08	0.07	0.21
DICHLORODIFLUOROMETHANE	1.00	1.01	1.09	0.94	0.95	0.98	0.72	0.81	0.93	0.12	0.39
DIETHYL ETHER	1.00	1.16	1.16	1.10	0.93	1.07	1.09	1.05	1.08	0.08	0.25
ETHYLBENZENE	1.00	1.12	1.13	1.07	1.10	1.04	0.98	0.93	1.05	0.07	0.24
FREON-113	1.00	1.16	1.23	1.27	1.22	0.96	1.05	1.06	1.14	0.11	0.36
HEXACHLOROBUTADIENE	1.00	1.31	1.27	1.15	1.09	1.23	1.03	0.90	1.14	0.15	0.46
ISOPROPYLBENZENE	1.00	1.05	1.10	0.97	1.00	1.02	0.93	0.89	0.99	0.07	0.22
M+P-XYLENE	2.00	2.20	2.35	2.17	2.16	1.92	1.95	1.82	2.08	0.19	0.59
METHYLENE CHLORIDE	1.00	2.06	1.82	1.82	2.22	1.83	1.92	2.16	1.98	0.17	0.53
MTBE	1.00	1.10	1.08	1.10	1.10	1.11	1.07	1.10	1.09	0.01	0.04
N-BUTYLBENZENE	1.00	1.00	0.99	0.92	0.84	0.89	0.79	0.68	0.87	0.11	0.36
N-PROPYLBENZENE	1.00	1.08	1.05	1.03	0.96	0.97	0.94	0.86	0.98	0.08	0.24
NAPHTHALENE	1.00	1.17	1.02	0.88	0.92	0.82	0.84	0.88	0.93	0.12	0.39
O-XYLENE	1.00	0.96	1.08	0.98	1.02	0.95	1.00	0.97	0.99	0.04	0.14
P-ISOPROPYLTOLUENE	1.00	1.04	0.99	0.94	0.87	0.87	0.83	0.82	0.91	0.08	0.26
SEC-BUTYLBENZENE	1.00	1.07	1.02	1.04	0.98	0.94	0.89	0.86	0.97	0.08	0.25
STYRENE	1.00	0.92	0.97	0.88	0.81	0.86	0.76	0.87	0.87	0.07	0.22
TERT-BUTYLBENZENE	1.00	1.10	1.10	1.05	0.96	0.99	0.86	0.86	0.99	0.10	0.32
TETRACHLOROETHENE	1.00	1.16	1.25	1.10	1.14	1.02	1.04	0.94	1.09	0.10	0.32
TETRAHYDROFURAN	1.00	1.34	1.23	1.31	1.43	1.24	1.42	1.58	1.36	0.12	0.39
TOLUENE	2.00	2.29	2.14	2.32	2.19	2.15	2.11	2.07	2.18	0.09	0.29

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Matrix: AQ

Compound List: 8260

Instrument: 5972-S

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
10400 AND 020400	1.00,2.00	S8093-96,S8098-S8100

Analyst: KMC

Reviewed and Approved by: Date:

File: S0104MDL.XLS

Compound	Spike	S8093	S8094	S8095	S8096	S8098	S8099	S8100	AVG	STD DEV	MDL
TRANS-1,3-DICHLOROPROPENE	1.00	1.05	0.95	0.93	0.81	0.92	0.88	0.86	0.91	0.08	0.24
TRICHLOROETHENE	2.00	2.23	2.20	2.34	2.11	2.12	1.94	2.04	2.14	0.13	0.41
TRICHLOROFLUOROMETHANE	1.00	1.14	1.12	1.05	1.12	1.01	0.98	0.97	1.06	0.07	0.22
VINYL ACETATE	2.00	1.95	1.96	1.87	1.92	1.74	1.86	1.68	1.85	0.11	0.34
VINYL CHLORIDE	1.00	1.14	1.27	1.13	1.09	0.87	1.05	0.99	1.08	0.13	0.40

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Matrix: AQ

Compound List: 8260

Instrument: 5973-U

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
11,200,020,400	1.00,5.00	U2686-91,93

Analyst: KMC

Reviewed and Approved by: Date: 020702

File: U0112MDL.XLS

Compound	Spike	U2686	U2687	U2688	U2689	U2690	U2691	U2693	AVG	STD DEV	MDL
1,1,1,2-TETRACHLOROETHANE	1.00	0.82	0.99	0.94	0.87	0.91	0.87	0.88	0.90	0.06	0.17
1,1,1-TRICHLOROETHANE	1.00	0.89	1.13	1.01	1.00	1.24	1.01	1.01	1.04	0.11	0.35
1,1,2,2-TETRACHLOROETHANE	1.00	1.00	1.04	1.10	1.06	0.91	1.00	1.03	1.02	0.06	0.19
1,1,2-TRICHLOROETHANE	1.00	0.97	1.01	0.92	0.94	0.95	1.02	1.01	0.97	0.04	0.12
1,1-DICHLOROETHANE	1.00	1.00	1.08	1.13	1.14	1.40	1.17	1.15	1.15	0.12	0.39
1,1-DICHLOROETHENE	1.00	1.21	1.35	1.30	1.25	1.36	1.41	1.37	1.32	0.07	0.22
1,1-DICHLOROPROPENE	1.00	1.74	1.78	1.71	1.77	1.64	1.66	1.65	1.71	0.06	0.18
1,2,3-TRICHLOROBENZENE	1.00	0.55	0.57	0.55	0.55	0.51	0.51	0.61	0.55	0.03	0.11
1,2,3-TRICHLOROPROPANE	1.00	1.01	0.88	1.23	1.10	0.96	1.11	1.11	1.06	0.12	0.36
1,2,4-TRICHLOROBENZENE	1.00	0.57	0.57	0.59	0.59	0.58	0.51	0.61	0.57	0.03	0.10
1,2,4-TRIMETHYLBENZENE	1.00	0.58	0.60	0.62	0.57	0.59	0.57	0.59	0.59	0.02	0.06
1,2-DIBROMO-3-CHLOROPROPANE	1.00	1.09	1.09	1.22	1.11	0.93	0.86	0.80	1.01	0.15	0.48
1,2-DIBROMOETHANE	1.00	0.90	0.87	0.96	0.99	0.96	0.87	0.91	0.92	0.05	0.15
1,2-DICHLOROBENZENE	1.00	0.84	0.91	0.89	0.85	0.92	0.87	0.94	0.89	0.04	0.12
1,2-DICHLOROETHANE	1.00	1.33	1.35	1.40	1.45	1.40	1.33	1.38	1.38	0.04	0.14
1,2-DICHLOROETHENE (CIS)	1.00	0.90	1.02	0.92	0.91	0.93	0.92	0.95	0.94	0.04	0.13
1,2-DICHLOROETHENE (TRANS)	1.00	1.08	1.33	1.00	1.17	1.51	1.51	1.24	1.26	0.20	0.63
1,2-DICHLOROPROPANE	1.00	0.96	0.93	0.92	0.95	1.06	0.97	0.94	0.96	0.05	0.15
1,3,5-TRICHLOROBENZENE	1.00	1.07	1.06	1.20	1.10	0.88	0.90	0.69	0.99	0.17	0.54
1,3,5-TRIMETHYLBENZENE	1.00	0.64	0.65	0.68	0.64	0.64	0.64	0.66	0.65	0.02	0.05
1,3-DICHLOROBENZENE	1.00	0.82	0.87	0.85	0.84	0.90	0.89	0.85	0.86	0.03	0.09
1,3-DICHLOROPROPANE	1.00	0.97	0.88	0.99	0.90	0.96	0.95	0.93	0.94	0.04	0.12
1,4-DICHLOROBENZENE	1.00	0.99	0.99	1.04	1.00	1.10	1.05	1.06	1.03	0.04	0.13
2,2-DICHLOROPROPANE	1.00	1.01	1.03	1.03	1.06	1.12	0.98	1.02	1.04	0.04	0.14
2-BUTANONE	1.00	1.32	1.34	1.17	1.20	1.30	1.17	1.20	1.24	0.07	0.23
2-CHLOROETHYLVINYLETHER	5.00	0.77	2.78	2.82	1.98	0.89	2.08	1.08	1.77	0.87	2.73
2-CHLOROTOLUENE	1.00	0.81	0.86	0.85	0.83	0.79	0.81	0.84	0.83	0.02	0.08
2-HEXANONE	1.00	0.78	0.74	0.80	0.81	0.88	0.55	0.82	0.77	0.11	0.33
4-CHLOROTOLUENE	1.00	0.80	0.79	0.79	0.77	0.75	0.74	0.78	0.77	0.02	0.07
4-METHYL-2-PENTANONE	1.00	1.05	0.86	1.11	1.02	1.12	0.88	0.89	0.99	0.11	0.35
ACETONE	1.00	1.26	1.11	1.20	1.05	1.15	1.00	0.97	1.11	0.11	0.33
ACROLEIN	5.00	4.57	4.97	4.30	4.45	4.17	4.39	3.56	4.34	0.43	1.35
ACRYLONITRILE	1.00	1.47	1.45	1.06	1.42	1.01	1.32	1.23	1.28	0.19	0.59
BENZENE	1.00	0.89	0.84	0.97	0.92	1.06	1.00	0.92	0.94	0.07	0.23

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Matrix: AQ

Compound List: 8260

Instrument: 5973-U

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
11,200,020,400	1.00,5.00	U2686-91,93

Analyst: KMC

Reviewed and Approved by: Date:

File: U0112MDL.XLS

Compound	Spike	U2686	U2687	U2688	U2689	U2690	U2691	U2693	AVG	STD DEV	MDL
BROMOBENZENE	1.00	0.97	1.05	1.00	0.95	1.01	0.98	0.97	0.99	0.03	0.10
BROMOCHLOROMETHANE	1.00	1.14	1.15	1.20	1.23	1.13	1.27	1.24	1.19	0.06	0.17
BROMODICHLOROMETHANE	1.00	1.04	0.95	0.95	0.91	0.98	0.92	0.89	0.95	0.05	0.16
BROMOFORM	1.00	0.81	0.76	0.80	0.85	0.67	0.74	0.74	0.77	0.06	0.18
BROMOMETHANE	1.00	1.40	1.23	1.23	1.29	1.26	1.48	1.35	1.32	0.09	0.30
CARBON DISULFIDE	1.00	1.32	1.33	1.38	1.31	1.62	1.48	1.43	1.41	0.11	0.35
CARBON TETRACHLORIDE	1.00	1.06	1.08	1.03	1.06	1.12	0.96	1.00	1.04	0.05	0.17
CHLOROBENZENE	1.00	0.98	1.03	1.01	1.00	1.11	1.09	1.02	1.03	0.05	0.15
CHLOROETHANE	1.00	1.06	1.22	1.35	1.11	1.24	1.62	1.40	1.29	0.19	0.60
CHLOROFORM	1.00	1.05	1.19	1.14	1.18	1.32	1.18	1.19	1.18	0.08	0.25
CHLOROMETHANE	1.00	1.30	1.42	1.34	1.14	1.45	1.73	1.41	1.40	0.18	0.56
CIS-1,3-DICHLOROPROPENE	1.00	0.70	0.72	0.77	0.70	0.65	0.65	0.66	0.69	0.04	0.14
DIBROMOCHLOROMETHANE	1.00	0.86	0.84	0.84	0.89	0.72	0.79	0.80	0.82	0.06	0.17
DIBROMOMETHANE	1.00	1.04	0.91	1.09	1.02	0.94	1.01	0.99	1.00	0.06	0.19
DICHLORODIFLUOROMETHANE	1.00	1.37	1.41	1.54	1.51	1.69	1.52	1.49	1.50	0.10	0.32
DIETHYL ETHER	1.00	1.28	1.17	1.11	1.15	1.40	1.18	1.11	1.20	0.11	0.33
ETHYLBENZENE	1.00	0.77	0.80	0.81	0.79	0.92	0.92	0.75	0.82	0.07	0.22
FREON-113	1.00	1.15	1.06	1.14	1.03	1.10	1.35	1.21	1.15	0.11	0.34
HEXACHLOROBUTADIENE	1.00	0.95	1.00	0.90	0.91	0.91	0.87	0.90	0.92	0.04	0.13
ISOPROPYLBENZENE	1.00	0.60	0.65	0.66	0.63	0.63	0.58	0.58	0.62	0.03	0.10
M+P-XYLENE	2.00	1.36	1.34	1.37	1.32	1.58	1.52	1.29	1.40	0.11	0.34
METHYLENE CHLORIDE	1.00	2.17	2.19	2.21	2.29	2.18	2.34	2.34	2.25	0.08	0.24
MTBE	1.00	1.07	0.97	1.27	1.20	1.30	1.21	1.16	1.17	0.12	0.36
N-BUTYLBENZENE	1.00	0.64	0.69	0.67	0.61	0.61	0.56	0.57	0.62	0.05	0.15
N-PROPYLBENZENE	1.00	0.77	0.81	0.82	0.79	0.77	0.75	0.75	0.78	0.03	0.09
NAPHTHALENE	1.00	0.38	0.36	0.36	0.36	0.30	0.32	0.36	0.35	0.03	0.09
O-XYLENE	1.00	0.59	0.60	0.64	0.58	0.65	0.65	0.54	0.61	0.04	0.13
P-ISOPROPYLTOLUENE	1.00	0.58	0.57	0.56	0.57	0.56	0.55	0.52	0.56	0.02	0.06
SEC-BUTYLBENZENE	1.00	0.62	0.67	0.64	0.60	0.64	0.63	0.63	0.63	0.02	0.07
STYRENE	1.00	0.58	0.57	0.57	0.56	0.58	0.62	0.59	0.58	0.02	0.06
TERT-BUTYLBENZENE	1.00	0.60	0.63	0.63	0.60	0.61	0.55	0.61	0.60	0.03	0.08
TETRACHLOROETHENE	1.00	1.15	1.12	1.17	1.13	1.25	1.15	1.01	1.14	0.07	0.22
TETRAHYDROFURAN	1.00	1.25	0.66	1.10	1.07	0.90	0.59	0.77	0.91	0.25	0.77
TOLUENE	1.00	1.03	1.11	1.11	1.09	1.15	1.10	1.07	1.09	0.04	0.12

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Matrix: AQ

Compound List: 8260

Instrument: 5973-U

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
11,200,020,400	1.00,5.00	U2686-91,93

Analyst: KMC

Reviewed and Approved by: Date:

File: U0112MDL.XLS

Compound	Spike	U2686	U2687	U2688	U2689	U2690	U2691	U2693	AVG	STD DEV	MDL
TRANS-1,3-DICHLOROPROPENE	1.00	0.70	0.74	0.68	0.67	0.82	0.69	0.69	0.71	0.05	0.16
TRICHLOROETHENE	1.00	0.98	0.92	0.98	0.90	1.09	1.01	0.97	0.98	0.06	0.19
TRICHLOROFLUOROMETHANE	1.00	1.24	1.28	1.41	1.35	1.38	1.37	1.36	1.34	0.06	0.19
VINYL ACETATE	1.00	0.63	0.52	0.51	0.44	0.57	0.38	0.30	0.48	0.11	0.36
VINYL CHLORIDE	1.00	1.36	1.41	1.36	1.29	1.53	1.42	1.46	1.40	0.08	0.24

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Matrix: AQ

Compound List: 8260

Instrument: HP5970Q

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
20900	5	Q8425-Q8432

Analyst: HMP

Reviewed and Approved by: JB

Date: 021000

File: Q82WMDL1.XLS

Compound	Spike	Q8425	Q8427	Q8428	Q8429	Q8430	Q8431	Q8432	AVG	STD DEV	MDL
1,1,1,2-TETRACHLOROETHANE	5.00	4.71	4.63	4.67	4.24	3.95	4.26	4.06	4.36	0.31	0.97
1,1,1-TRICHLOROETHANE	5.00	4.07	4.14	4.90	3.66	3.84	3.77	4.02	4.06	0.41	1.29
1,1,2,2-TETRACHLOROETHANE	5.00	4.82	5.09	5.32	5.27	4.93	5.11	4.97	5.07	0.18	0.57
1,1,2-TRICHLOROETHANE	5.00	4.68	4.71	5.01	5.10	4.50	4.76	5.01	4.82	0.22	0.69
1,1-DICHLOROETHANE	5.00	4.79	4.87	5.16	4.55	4.42	4.74	4.70	4.75	0.24	0.74
1,1-DICHLOROETHENE	5.00	4.02	4.22	4.94	3.32	3.72	3.37	4.05	3.95	0.56	1.75
1,1-DICHLOROPROPENE	5.00	7.58	7.73	8.14	7.37	7.44	7.40	7.91	7.65	0.29	0.91
1,2,3-TRICHLOROBENZENE	5.00	3.36	1.90	1.50	1.18	1.16	0.97	1.99	1.72	0.82	2.57
1,2,3-TRICHLOROPROPANE	5.00	5.11	5.08	5.24	4.57	5.13	4.77	5.25	5.02	0.25	0.80
1,2,4-TRICHLOROBENZENE	5.00	3.37	2.89	2.85	2.01	2.06	2.08	2.55	2.54	0.52	1.64
1,2,4-TRIMETHYLBENZENE	5.00	5.07	4.89	5.11	4.44	4.27	4.55	4.17	4.64	0.38	1.20
1,2-DIBROMO-3-CHLOROPROPANE	5.00	4.31	4.99	4.73	4.75	4.80	4.70	4.71	4.71	0.20	0.64
1,2-DIBROMOETHANE	5.00	4.23	4.33	4.48	4.46	4.21	4.42	4.40	4.36	0.11	0.34
1,2-DICHLOROBENZENE	5.00	5.13	5.34	5.34	4.63	4.69	4.21	4.50	4.83	0.44	1.38
1,2-DICHLOROETHANE	5.00	5.21	5.25	5.35	5.18	4.89	5.17	5.14	5.17	0.14	0.44
1,2-DICHLOROETHENE (CIS)	5.00	4.75	4.65	4.84	4.50	4.17	4.61	4.51	4.58	0.22	0.68
1,2-DICHLOROETHENE (TRANS)	5.00	4.41	4.44	4.67	4.00	3.78	4.07	4.11	4.21	0.31	0.96
1,2-DICHLOROPROPANE	5.00	4.87	5.07	5.31	4.98	4.77	4.84	4.72	4.94	0.20	0.64
1,3,5 TRICHLOROBENZENE	5.00	4.51	4.32	4.49	3.80	3.36	3.75	3.80	4.00	0.44	1.38
1,3,5-TRIMETHYLBENZENE	5.00	4.85	4.84	5.03	4.19	4.49	4.11	4.59	4.59	0.35	1.09
1,3-DICHLOROBENZENE	5.00	4.65	4.46	4.81	4.29	4.05	4.20	4.10	4.37	0.29	0.90
1,3-DICHLOROPROPANE	5.00	4.92	4.95	4.97	4.92	4.64	4.95	4.70	4.86	0.14	0.42
1,4-DICHLOROBENZENE	5.00	4.84	4.66	4.82	4.36	4.06	4.22	4.27	4.46	0.31	0.98
1-CHLOROHEXANE	5.00	6.40	5.28	6.64	5.74	5.90	5.80	5.85	5.94	0.45	1.41
2,2-DICHLOROPROPANE	5.00	4.46	4.59	5.28	4.12	4.25	3.78	4.27	4.39	0.47	1.47
2-BUTANONE	5.00	6.42	10.42	8.09	8.85	8.48	9.19	9.82	8.75	1.30	4.07
2-CHLOROETHYLVINYLETHER	5.00	3.42	3.61	3.84	4.06	3.55	3.89	4.40	3.82	0.34	1.06
2-CHLOROTOLUENE	5.00	3.71	3.83	4.04	3.21	3.03	3.13	4.34	3.61	0.50	1.57
2-HEXANONE	5.00	6.16	5.09	4.01	5.05	5.65	6.04	6.45	5.49	0.84	2.64
4-CHLOROTOLUENE	5.00	4.96	4.90	4.46	4.58	4.14	4.28	3.75	4.44	0.43	1.34
4-METHYL-2-PENTANONE	5.00	6.37	5.53	6.51	6.07	7.09	6.81	6.11	6.36	0.52	1.62
ACETONE	5.00	10.13	9.71	8.32	9.62	10.75	8.30	9.48	9.47	0.90	2.82
ACROLEIN	5.00	2.09	4.18	4.98	4.82	3.66	3.59	3.67	3.86	0.96	3.03
ACRYLONITRILE	5.00	2.54	3.09	4.34	5.58	4.07	4.87	4.20	4.10	1.03	3.22

Date: 2/10/2000 9:04:30 AM

Matrix: AQ

Compound List: 8260

Instrument: HP5970Q

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
20900	5	Q8425-Q8432

Analyst: HMP

Reviewed and Approved by: Date:

File: Q82WMDL1.XLS

Compound	Spike	Q8425	Q8427	Q8428	Q8429	Q8430	Q8431	Q8432	AVG	STD DEV	MDL
BENZENE	5.00	4.58	4.72	5.00	4.34	4.14	4.54	4.49	4.54	0.27	0.86
BROMOBENZENE	5.00	4.62	4.74	4.59	4.42	3.95	4.40	3.90	4.37	0.33	1.03
BROMOCHLOROMETHANE	5.00	4.57	4.71	4.78	4.26	4.50	4.75	4.77	4.62	0.19	0.60
BROMODICHLOROMETHANE	5.00	4.67	4.77	4.82	4.45	4.43	4.53	4.48	4.59	0.16	0.50
BROMOFORM	5.00	4.09	4.21	4.35	4.18	3.99	4.19	3.94	4.14	0.14	0.44
BROMOMETHANE	5.00	5.17	4.86	5.16	4.83	4.36	4.69	4.76	4.83	0.28	0.88
CARBON DISULFIDE	5.00	4.29	4.29	4.88	3.68	3.90	3.71	4.25	4.14	0.42	1.32
CARBON TETRACHLORIDE	5.00	3.99	3.97	4.90	3.44	3.84	3.64	4.21	4.00	0.47	1.48
CHLOROBENZENE	5.00	4.80	4.68	4.81	4.29	3.93	4.40	4.08	4.43	0.35	1.10
CHLOROETHANE	5.00	4.24	4.65	5.10	4.10	4.31	3.99	4.46	4.41	0.38	1.18
CHLOROFORM	5.00	4.85	4.84	4.97	4.48	4.41	4.80	4.54	4.70	0.22	0.68
CHLOROMETHANE	5.00	4.24	4.65	5.32	4.53	4.89	4.52	5.03	4.74	0.36	1.14
CIS-1,3-DICHLOROPROPENE	5.00	4.67	4.52	4.72	4.53	4.07	4.38	4.18	4.44	0.24	0.76
DIBROMOCHLOROMETHANE	5.00	4.46	4.61	4.62	4.32	4.06	4.41	4.12	4.37	0.22	0.69
DIBROMOMETHANE	5.00	4.60	4.55	4.65	4.16	4.39	4.68	4.57	4.51	0.18	0.57
DICHLORODIFLUOROMETHANE	5.00	3.19	3.11	4.43	2.53	3.22	2.64	3.93	3.29	0.68	2.13
DIETHYL ETHER	5.00	5.09	5.11	5.28	5.07	5.22	5.35	5.41	5.22	0.13	0.42
ETHYLBENZENE	5.00	4.65	4.79	4.95	4.03	4.14	4.21	4.16	4.42	0.37	1.16
FREON-113	5.00	4.94	4.88	4.92	3.82	4.03	4.20	4.07	4.41	0.49	1.53
HEXACHLOROBUTADIENE	5.00	4.37	4.18	4.60	3.43	3.57	3.47	3.60	3.89	0.48	1.51
ISOPROPYLBENZENE	5.00	4.72	4.73	5.26	4.22	4.33	4.22	4.42	4.56	0.38	1.18
M+P-XYLENE	5.00	9.14	9.19	9.65	8.05	7.78	8.39	8.29	8.64	0.69	2.16
METHYLENE CHLORIDE	5.00	6.69	6.86	7.07	6.54	8.61	7.00	7.50	7.18	0.70	2.20
MTBE	5.00	4.72	5.18	5.12	5.06	5.16	5.19	5.21	5.09	0.17	0.54
N-BUTYLBENZENE	5.00	4.81	4.67	5.04	4.04	4.25	3.80	4.25	4.41	0.44	1.40
N-PROPYLBENZENE	5.00	4.73	4.82	5.39	4.13	4.32	4.01	4.42	4.55	0.47	1.49
NAPHTHALENE	5.00	2.34	1.40	1.29	1.17	1.00	1.20	1.74	1.45	0.46	1.43
O-XYLENE	5.00	4.81	4.99	4.98	4.07	4.17	4.53	4.29	4.55	0.38	1.21
P-ISOPROPYLTOLUENE	5.00	4.82	4.82	5.31	4.28	4.40	3.96	4.41	4.57	0.44	1.40
SEC-BUTYLBENZENE	5.00	4.74	4.60	5.28	4.03	3.94	3.79	4.21	4.37	0.53	1.66
STYRENE	5.00	4.53	4.68	4.65	4.08	3.86	4.10	3.84	4.25	0.36	1.14
TERT-BUTYLBENZENE	5.00	4.75	4.70	5.29	4.23	4.17	4.06	4.25	4.49	0.44	1.38
TETRACHLOROETHENE	5.00	4.21	4.20	4.38	3.44	3.60	3.39	3.81	3.86	0.40	1.27
TETRAHYDROFURAN	5.00	5.44	4.60	4.39	5.76	5.49	5.13	5.41	5.17	0.50	1.58

Date: 2/10/2000 9:04:30 AM

Matrix: AQ

Compound List: 8260

Instrument: HP5970Q

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
20900	5	Q8425-Q8432

Analyst: HMP

Reviewed and Approved by: Date:

File: Q82WMDL1.XLS

Compound	Spike	Q8425	Q8427	Q8428	Q8429	Q8430	Q8431	Q8432	AVG	STD DEV	MDL
TOLUENE	5.00	4.38	4.50	4.87	4.14	3.98	4.17	4.19	4.32	0.30	0.93
TRANS-1,3-DICHLOROPROPENE	5.00	4.44	4.60	4.71	4.18	4.27	4.37	4.26	4.40	0.19	0.61
TRICHLOROETHENE	5.00	4.45	4.40	4.79	3.87	3.89	3.75	4.03	4.17	0.38	1.20
TRICHLOROFLUOROMETHANE	5.00	3.60	3.57	4.81	2.92	3.82	3.02	4.09	3.69	0.64	2.03
VINYL ACETATE	5.00	5.32	5.01	5.25	5.53	5.69	5.90	5.60	5.47	0.30	0.94
VINYL CHLORIDE	5.00	4.08	4.13	5.12	3.44	3.76	3.69	4.41	4.09	0.56	1.75

Date: 2/11/2000 7:46:16 AM

Matrix: AQ

Compound List: 8260 5ML

Instrument: 5972-M

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
21000 and 021100	1.00; 2.00	M3696-3 ,

Analyst: KMC

Reviewed and Approved by: JA

Date: 021400

File: M0210MDL.XLS

Compound	Spike	M3696	M3697	M3698	M3699	M3700	M3701	M3702	AVG	STD DEV	MDL
1,1,1,2-TETRACHLOROETHANE	1.00	0.92	0.90	0.99	0.92	0.85	0.90	0.92	0.91	0.04	0.13
1,1,1-TRICHLOROETHANE	1.00	0.96	0.95	0.95	0.86	0.85	0.98	1.04	0.94	0.07	0.21
1,1,2,2-TETRACHLOROETHANE	1.00	0.73	0.67	0.75	0.72	0.73	0.68	0.66	0.71	0.04	0.11
1,1,2-TRICHLOROETHANE	1.00	0.92	0.71	0.81	0.82	0.77	0.89	0.82	0.82	0.07	0.22
1,1-DICHLOROETHANE	1.00	1.07	1.01	1.04	0.96	0.95	1.03	1.04	1.01	0.04	0.14
1,1-DICHLOROETHENE	1.00	0.95	0.98	0.94	0.86	0.81	0.92	1.03	0.93	0.07	0.23
1,1-DICHLOROPROPENE	1.00	1.03	1.06	1.10	1.00	0.95	1.06	1.16	1.05	0.07	0.21
1,2,3-TRICHLOROBENZENE	1.00	0.59	0.54	0.57	0.56	0.52	0.55	0.60	0.56	0.03	0.09
1,2,3-TRICHLOROPROPANE	1.00	0.66	0.55	0.63	0.65	0.60	0.58	0.57	0.61	0.04	0.13
1,2,4-TRICHLOROBENZENE	1.00	0.74	0.67	0.75	0.73	0.64	0.74	0.75	0.72	0.04	0.14
1,2,4-TRIMETHYLBENZENE	1.00	0.99	0.91	0.94	0.88	0.80	0.99	0.99	0.93	0.07	0.22
1,2-DIBROMO-3-CHLOROPROPANE	1.00	0.38	0.20	0.47	0.57	0.51	0.52	0.58	0.46	0.13	0.42
1,2-DIBROMOETHANE	1.00	0.71	0.69	0.78	0.79	0.71	0.72	0.76	0.74	0.04	0.12
1,2-DICHLOROBENZENE	1.00	0.95	0.83	0.89	0.91	0.81	0.93	0.95	0.90	0.06	0.18
1,2-DICHLOROETHANE	1.00	1.06	1.08	1.10	1.18	1.14	1.14	1.06	1.11	0.05	0.14
1,2-DICHLOROETHENE (CIS)	1.00	0.97	0.93	1.00	0.91	0.88	0.95	1.01	0.95	0.05	0.15
1,2-DICHLOROETHENE (TRANS)	1.00	0.99	0.95	0.98	0.91	0.91	0.94	1.03	0.96	0.04	0.14
1,2-DICHLOROPROPANE	1.00	1.07	1.00	1.01	1.07	0.97	1.07	1.02	1.03	0.04	0.13
1,3,5-TRICHLOROBENZENE	1.00	0.83	0.88	0.81	0.76	0.74	0.78	0.83	0.80	0.05	0.15
1,3,5-TRIMETHYLBENZENE	1.00	0.97	0.90	0.94	0.88	0.79	0.96	1.00	0.92	0.07	0.22
1,3-DICHLOROBENZENE	1.00	1.03	0.94	0.99	0.89	0.84	0.96	1.02	0.95	0.07	0.22
1,3-DICHLOROPROPANE	1.00	0.86	0.78	0.82	0.85	0.72	0.84	0.77	0.81	0.05	0.16
1,4-DICHLOROBENZENE	1.00	1.02	0.92	1.00	0.97	0.84	0.98	0.97	0.96	0.06	0.19
2,2-DICHLOROPROPANE	1.00	0.75	0.62	0.61	0.62	0.63	0.63	0.64	0.64	0.05	0.15
2-BUTANONE	1.00	0.82	0.64	0.64	0.69	0.66	0.58	0.67	0.67	0.07	0.23
2-CHLOROETHYLVINYLETHER	2.00	0.71	0.46	0.69	0.47	0.50	0.57	0.88	0.61	0.16	0.49
2-CHLOROTOLUENE	1.00	1.04	0.96	1.01	0.91	0.87	1.01	1.05	0.98	0.07	0.21
2-HEXANONE	1.00	0.67	0.69	0.66	0.75	0.60	0.63	0.49	0.64	0.08	0.26
4-CHLOROTOLUENE	1.00	1.01	0.95	0.98	0.93	0.88	0.98	1.08	0.97	0.06	0.20
4-METHYL-2-PENTANONE	1.00	0.86	0.68	0.72	0.74	0.74	0.77	0.59	0.73	0.08	0.26
ACETONE	1.00	1.34	1.25	1.18	1.17	1.41	1.43	1.31	1.30	0.10	0.33
ACROLEIN	1.00	0.21	0.49	1.13	0.41	0.43	0.53	0.48	0.53	0.29	0.90
ACRYLONITRILE	1.00	0.52	0.47	0.56	0.72	0.49	0.41	0.21	0.48	0.15	0.49
BENZENE	1.00	1.16	1.14	1.11	1.01	1.00	1.09	1.22	1.10	0.08	0.25

Date: 2/11/2000 7:46:16 AM

Matrix: AQ

Compound List: 8260 5ML

Instrument: 5972-M

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
21000 and 021100	1.00; 2.00	M3696-3 ,

Analyst: KMC

Reviewed and Approved by: Date:

File: M0210MDL.XLS

Compound	Spike	M3696	M3697	M3698	M3699	M3700	M3701	M3702	AVG	STD DEV	MDL
BROMOBENZENE	1.00	0.93	0.86	0.91	0.90	0.84	1.00	0.95	0.91	0.05	0.17
BROMOCHLOROMETHANE	1.00	1.00	0.77	0.80	0.97	0.80	0.97	0.86	0.88	0.10	0.30
BROMODICHLOROMETHANE	1.00	0.94	0.87	0.89	0.89	0.84	0.96	0.89	0.90	0.04	0.13
BROMOFORM	1.00	0.71	0.66	0.74	0.70	0.54	0.60	0.66	0.66	0.07	0.22
BROMOMETHANE	1.00	0.52	0.57	0.49	0.66	0.60	0.56	0.51	0.56	0.06	0.18
CARBON DISULFIDE	1.00	1.18	1.15	1.08	1.06	1.03	1.16	1.24	1.13	0.07	0.23
CARBON TETRACHLORIDE	1.00	0.97	0.94	0.93	0.83	0.82	0.93	0.99	0.92	0.07	0.21
CHLOROBENZENE	1.00	1.06	1.01	1.06	0.98	0.94	1.05	1.10	1.03	0.05	0.17
CHLOROETHANE	1.00	1.42	1.37	1.05	1.11	0.98	1.05	1.10	1.15	0.17	0.54
CHLOROFORM	1.00	1.06	0.94	1.03	1.00	0.90	1.04	1.07	1.01	0.06	0.20
CHLOROMETHANE	1.00	0.94	1.02	0.95	0.90	0.90	0.85	1.06	0.95	0.07	0.23
CIS-1,3-DICHLOROPROPENE	1.00	0.71	0.69	0.75	0.76	0.65	0.75	0.77	0.73	0.04	0.14
DIBROMOCHLOROMETHANE	1.00	0.75	0.72	0.79	0.82	0.77	0.79	0.78	0.77	0.03	0.10
DIBROMOMETHANE	1.00	0.81	0.75	0.81	0.88	0.76	0.79	0.79	0.80	0.04	0.13
DICHLORODIFLUOROMETHANE	1.00	0.67	0.67	0.61	0.62	0.59	0.70	0.78	0.66	0.06	0.20
DIETHYL ETHER	1.00	0.73	0.81	0.69	0.71	0.79	0.64	0.70	0.72	0.06	0.18
ETHYLBENZENE	1.00	1.07	0.99	1.01	0.96	0.91	1.00	1.11	1.01	0.07	0.21
FREON-113	1.00	0.95	0.99	0.98	0.82	0.89	0.88	1.02	0.93	0.07	0.22
HEXACHLOROBUTADIENE	1.00	0.99	0.86	0.77	0.84	0.67	0.87	0.85	0.84	0.10	0.31
ISOPROPYLBENZENE	1.00	1.03	0.92	0.95	0.89	0.84	0.98	1.07	0.95	0.08	0.25
M+P-XYLENE	2.00	2.18	2.05	2.02	2.00	1.80	2.09	2.17	2.04	0.13	0.40
METHYLENE CHLORIDE	2.00	2.61	2.53	2.59	2.58	2.87	2.53	2.35	2.58	0.15	0.49
MTBE	1.00	0.68	0.65	0.71	0.73	0.67	0.70	0.66	0.69	0.03	0.09
N-BUTYLBENZENE	1.00	0.92	0.82	0.85	0.76	0.71	0.82	0.87	0.82	0.07	0.22
N-PROPYLBENZENE	1.00	0.96	0.92	0.92	0.85	0.80	0.96	1.01	0.92	0.07	0.22
NAPHTHALENE	1.00	0.32	0.31	0.34	0.33	0.30	0.31	0.30	0.32	0.02	0.05
O-XYLENE	1.00	1.08	1.03	1.04	1.01	0.92	1.06	1.10	1.03	0.06	0.18
P-ISOPROPYLTOLUENE	1.00	0.93	0.88	0.86	0.80	0.74	0.89	0.94	0.86	0.07	0.22
SEC-BUTYLBENZENE	1.00	0.94	0.89	0.87	0.81	0.77	0.94	0.98	0.89	0.08	0.24
STYRENE	1.00	0.90	0.91	0.90	0.88	0.80	0.95	0.93	0.90	0.05	0.15
TERT-BUTYLBENZENE	1.00	1.00	0.93	0.93	0.88	0.82	0.93	0.99	0.93	0.06	0.19
TETRACHLOROETHENE	1.00	1.04	1.00	0.97	0.98	0.86	1.03	1.08	0.99	0.07	0.22
TETRAHYDROFURAN	1.00	1.14	0.99	1.08	1.01	0.93	0.86	0.99	1.00	0.09	0.29
TOLUENE	1.00	1.13	1.07	1.11	1.08	1.02	1.16	1.19	1.11	0.06	0.18

Date: 2/11/2000 7:46:16 AM

Matrix: AQ

Compound List: 8260 5ML

Instrument: 5972-M

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
21000 and 021100	1.00; 2.00	M3696-3 ,

Analyst: KMC

Reviewed and Approved by: Date:

File: M0210MDL.XLS

Compound	Spike	M3696	M3697	M3698	M3699	M3700	M3701	M3702	AVG	STD DEV	MDL
TRANS-1,3-DICHLOROPROPENE	1.00	0.61	0.56	0.61	0.64	0.59	0.63	0.61	0.61	0.03	0.08
TRICHLOROETHENE	1.00	1.07	1.06	1.08	0.93	0.96	1.10	1.20	1.06	0.09	0.28
TRICHLOROFLUOROMETHANE	1.00	0.93	0.88	0.82	0.79	0.78	0.99	1.01	0.89	0.09	0.30
VINYL ACETATE	1.00	0.30	0.18	0.19	0.21	0.08	0.16	0.14	0.18	0.07	0.21
VINYL CHLORIDE	1.00	0.87	0.88	0.76	0.75	0.69	0.83	0.90	0.81	0.08	0.25

Date: 1/28/2000 2:13:20 PM

Matrix: Low level waters, extracted by method 3520

Compound List: 8270-TCL-B

Instrument: 5970-X

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
various	50 ug/L	various
01/20/00	10/20 ug/L	X4283-88,X4290
01/19/00, 01/20/00	2/4 ug/L	X4275, 77, 78, 80-82, 91

Analyst: SW

File: 3520-827.xls

Reviewed and Approved by: JR

Date: 050202 (phenol needs to be redone)

		X4544	X4460	X4385	X3118	X2965	X2964	X2922			
		X4283	X4284	X4285	X4286	X4287	X4288	X4290			
Compound	Spike	X4275	X4277	X4278	X4280	X4281	X4282	X4291	AVG	STD DEV	MDL
1,2,4-TRICHLOROBENZENE	2.00	1.36	1.30	1.42	1.54	1.11	1.34	1.26	1.33	0.13	0.42
1,2-DICHLOROBENZENE	2.00	1.30	1.43	1.35	1.45	1.18	1.27	1.36	1.33	0.09	0.29
1,2-DIPHENYLHYDRAZINE	2.00	1.34	1.15	1.20	1.23	1.07	1.17	1.26	1.20	0.09	0.27
1,3-DICHLOROBENZENE	2.00	1.34	1.20	1.33	1.11	1.07	1.15	1.25	1.21	0.10	0.33
1,4-DICHLOROBENZENE	2.00	1.39	1.15	1.38	1.30	1.17	1.20	1.36	1.28	0.10	0.33
1,4-DIOXANE	2.00	1.64	1.43	1.43	1.91	1.42	1.58	1.54	1.56	0.17	0.55
2,2'-OXYBIS(1-CHLOROPROPANE)	2.00	1.82	1.63	1.83	1.85	1.34	1.64	1.71	1.69	0.18	0.56
2,4,5-TRICHLOROPHENOL	4.00	1.91	2.15	2.39	2.39	1.99	2.29	2.29	2.20	0.19	0.60
2,4,6-TRICHLOROPHENOL	4.00	2.11	2.24	2.09	2.88	1.79	2.47	2.39	2.28	0.35	1.08
2,4-DICHLOROPHENOL	4.00	2.00	2.30	2.01	2.45	2.05	2.37	2.38	2.22	0.20	0.61
2,4-DIMETHYLPHENOL	4.00	1.59	1.71	1.87	1.73	0.87	1.29	1.32	1.48	0.34	1.08
2,4-DINITROPHENOL	20.00	5.62	8.69	6.94	7.64	2.71	8.00	9.49	7.01	2.26	7.12
2,4-DINITROTOLUENE	2.00	0.47	0.54	0.45	0.38	0.20	0.36	0.39	0.40	0.11	0.34
2,6-DINITROTOLUENE	2.00	0.41	0.51	0.59	0.41	0.43	0.31	0.66	0.47	0.12	0.38
2-CHLORONAPHTHALENE	2.00	1.80	1.60	1.76	1.56	1.40	1.80	1.82	1.68	0.16	0.50
2-CHLOROPHENOL	4.00	2.26	2.08	1.90	2.94	2.44	2.69	2.64	2.42	0.37	1.15
2-METHYLNAPHTHALENE	2.00	1.44	1.46	1.62	1.38	1.16	1.35	1.42	1.40	0.14	0.43
2-METHYLPHENOL	4.00	2.61	2.55	2.47	2.75	1.98	2.51	2.58	2.49	0.24	0.76
2-NITROANILINE	2.00	0.51	0.49	0.62	0.45	0.39	0.41	0.54	0.49	0.08	0.25
2-NITROPHENOL	4.00	1.46	1.45	1.29	1.91	1.38	1.62	1.91	1.57	0.25	0.79
3,3'-DICHLOROBENZIDINE	10.00	0.74	1.36	1.23	2.02	2.83	1.03	1.39	1.51	0.70	2.20
3-NITROANILINE	10.00	1.94	3.35	3.20	4.03	5.02	3.27	3.44	3.46	0.93	2.92
4,6-DINITRO-2-METHYLPHENOL	20.00	12.93	17.24	13.53	14.71	16.98	14.50	15.57	15.07	1.63	5.13
4-BROMOPHENYL-PHENYLETHER	2.00	1.35	1.51	1.59	1.43	1.38	1.63	1.60	1.50	0.11	0.36
4-CHLORO-3-METHYLPHENOL	2.00	2.33	2.28	2.47	2.27	1.95	2.38	2.31	2.28	0.16	0.51
4-CHLOROANILINE	2.00	0.33	0.16	0.11	0.11	0.05	0.14	0.38	0.18	0.12	0.39
4-CHLOROPHENYL-PHENYLETHER	2.00	1.39	1.50	1.73	1.62	1.29	1.42	1.57	1.50	0.15	0.47
4-METHYLPHENOL	4.00	2.41	2.14	2.30	2.48	1.91	2.42	2.46	2.30	0.21	0.66
4-NITROANILINE	10.00	3.29	4.37	3.96	4.15	4.50	4.14	4.24	4.09	0.39	1.24
4-NITROPHENOL	4.00	0.69	0.97	1.14	0.83	0.38	0.87	0.59	0.78	0.25	0.79
ACENAPHTHENE	2.00	1.50	1.48	1.52	1.44	1.19	1.42	1.44	1.43	0.11	0.35
ACENAPHTHYLENE	2.00	1.30	1.30	1.39	1.27	0.98	1.31	1.32	1.27	0.13	0.41
ANILINE	2.00	0.39	0.13	0.11	0.19	0.08	0.19	0.33	0.20	0.12	0.36
ANTHRACENE	2.00	1.49	1.48	1.41	1.41	1.30	1.34	1.41	1.41	0.07	0.22

Date: 1/28/2000 2:13:20 PM

Matrix: Low level waters, extracted by method 3520

Compound List: 8270-TCL-B

Instrument: 5970-X

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
various	50 ug/L	various
01/20/00	10/20 ug/L	X4283-88,X4290
01/19/00, 01/20/00	2/4 ug/L	X4275, 77, 78, 80-82, 91

Analyst: SW File: 3520-827.xls

Reviewed and Approved by: Date:

		X4544	X4460	X4385	X3118	X2965	X2964	X2922			
		X4283	X4284	X4285	X4286	X4287	X4288	X4290			
Compound	Spike	X4275	X4277	X4278	X4280	X4281	X4282	X4291	AVG	STD DEV	MDL
BENZIDINE	50.00	16.60	32.87	19.01	30.29	27.71	19.08	28.97	24.93	6.51	20.47
BENZO[A]ANTHRACENE	2.00	1.55	1.62	1.55	1.41	1.50	1.46	1.49	1.51	0.07	0.22
BENZO[A]PYRENE	2.00	0.95	1.19	0.88	0.86	0.86	0.84	1.00	0.94	0.12	0.39
BENZO[B]FLUORANTHENE	2.00	0.99	1.13	1.06	0.98	0.92	0.95	1.03	1.01	0.07	0.22
BENZO[G,H,I]PERYLENE	2.00	1.19	1.19	1.11	0.77	0.82	0.96	0.93	1.00	0.17	0.54
BENZO[K]FLUORANTHENE	2.00	1.66	1.81	1.56	1.56	0.92	1.44	1.57	1.50	0.28	0.88
BENZOIC ACID	4.00	0.31	0.25	0.55	0.14	0.32	0.50	0.28	0.34	0.14	0.45
BENZYL ALCOHOL	2.00	1.18	0.92	1.49	1.48	1.21	1.32	1.76	1.34	0.27	0.85
BIS (2-ETHYLHEXYL) ADIPATE	2.00	0.60	0.79	0.64	0.47	0.50	0.61	0.71	0.62	0.11	0.35
BIS(2-CHLOROETHOXY)METHANE	2.00	1.37	1.36	1.49	1.32	1.11	1.34	1.29	1.33	0.11	0.36
BIS(2-CHLOROETHYL)ETHER	2.00	1.66	1.36	1.50	1.44	1.13	1.28	1.43	1.40	0.17	0.53
BIS(2-ETHYLHEXYL)PHTHALATE	10.00	8.23	8.38	7.35	7.63	9.23	9.84	8.19	8.41	0.87	2.73
BUTYLBENZYLPHTHALATE	2.00	0.86	1.07	0.95	0.77	0.89	0.88	0.92	0.91	0.09	0.29
CARBAZOLE	2.00	1.55	1.51	1.57	1.56	1.24	1.35	1.37	1.45	0.13	0.41
CHRYSENE	2.00	1.64	1.64	1.56	1.55	1.50	1.53	1.52	1.56	0.06	0.18
DI-N-BUTYLPHTHALATE	2.00	1.49	1.64	1.91	1.57	1.49	1.88	1.65	1.66	0.17	0.54
DI-N-OCTYLPHTHALATE	2.00	0.51	0.71	0.61	0.63	0.58	0.57	0.59	0.60	0.06	0.19
DIBENZ[A,H]ANTHRACENE	2.00	0.71	0.80	0.77	0.61	0.52	0.60	0.65	0.67	0.10	0.31
DIBENZOFURAN	2.00	1.45	1.39	1.68	1.47	1.15	1.43	1.52	1.44	0.16	0.50
DIETHYL ADIPATE	2.00	1.24	1.46	1.53	1.41	1.16	1.34	1.52	1.38	0.14	0.44
DIETHYLPHTHALATE	2.00	1.77	2.11	3.40	2.07	1.43	1.75	2.09	2.09	0.63	1.98
DIMETHYL PHTHALATE	2.00	1.54	1.75	1.65	1.54	1.31	1.55	1.60	1.56	0.13	0.42
FLUORANTHENE	2.00	1.57	1.55	1.60	1.66	1.33	1.45	1.30	1.49	0.14	0.43
FLUORENE	2.00	1.43	1.42	1.56	1.36	1.10	1.32	1.38	1.37	0.14	0.44
HEXACHLOROBENZENE	2.00	1.47	1.65	1.68	1.44	1.38	1.57	1.68	1.55	0.12	0.39
HEXACHLOROBUTADIENE	2.00	1.16	1.25	1.33	1.32	1.09	1.38	1.41	1.28	0.12	0.37
HEXACHLOROCYCLOPENTADIENE	10.00	0.54	0.93	0.73	1.35	1.53	1.57	1.25	1.13	0.40	1.26
HEXACHLOROETHANE	2.00	1.02	1.04	1.32	1.21	0.93	0.97	1.17	1.09	0.14	0.45
INDENO[1,2,3-CD]PYRENE	2.00	0.87	0.99	0.93	0.62	0.71	0.70	0.75	0.80	0.14	0.43
ISOPHORONE	2.00	1.46	1.40	1.44	1.33	1.12	1.25	1.38	1.34	0.12	0.38
N-NITROSO-DI-N-PROPYLAMINE	2.00	1.35	1.33	1.37	1.14	0.91	1.00	1.35	1.21	0.19	0.60
N-NITROSODIMETHYLAMINE	2.00	0.23	0.44	0.88	0.51	0.36	1.37	0.86	0.66	0.40	1.24
N-NITROSODIPHENYLAMINE	2.00	3.04	3.31	3.17	2.98	2.84	2.81	3.18	3.05	0.19	0.58
NAPHTHALENE	2.00	1.47	1.41	1.53	1.70	1.32	1.36	1.40	1.46	0.13	0.40

Date: 1/28/2000 2:13:20 PM

Matrix: Low level waters, extracted by method 3520

Compound List: 8270-TCL-B

Instrument: 5970-X

Katahdin Analytical Services
MDL Study

Dates of Analysis	Spike	Data Files
various	50 ug/L	various
01/20/00	10/20 ug/L	X4283-88,X4290
01/19/00, 01/20/00	2/4 ug/L	X4275, 77, 78, 80-82, 91

Analyst: SW File: 3520-827.xls

Reviewed and Approved by: Date:

		X4544	X4460	X4385	X3118	X2965	X2964	X2922			
		X4283	X4284	X4285	X4286	X4287	X4288	X4290			
Compound	Spike	X4275	X4277	X4278	X4280	X4281	X4282	X4291	AVG	STD DEV	MDL
NITROBENZENE	2.00	1.48	1.48	1.50	1.58	1.23	1.30	1.50	1.44	0.12	0.39
PENTACHLOROPHENOL	4.00	1.69	1.74	1.79	1.55	1.24	1.58	1.58	1.60	0.18	0.57
PHENANTHRENE	2.00	1.61	1.63	1.62	1.68	1.41	1.58	1.58	1.59	0.09	0.27
PHENOL	4.00	11.89	10.41	10.03	7.63	8.69	20.63	7.41	10.96	4.55	14.31 *
PYRENE	2.00	1.53	1.58	1.41	1.52	1.42	1.40	1.35	1.46	0.08	0.27
PYRIDINE	2.00	1.08	0.63	0.30	0.76	0.54	0.73	0.49	0.65	0.25	0.77

METHOD DETECTION LIMIT STUDY

Method: SW846 Method 8081 Matix: Water
Prep. Method:Seperatory Funnel 3510 Sample Amount: 1 Liter
Instrument ID: GC08 Channel A Detector: ECD
Column ID: 198 Phase: Rtx-CLPest. Length: 30 Meters ID: 0.53 m Film Thickness: 0.50 um

Compound	SPIKE CONC. (ug/L)	#1 MDL 1 (ug/L)	#2 MDL 2 (ug/L)	#3 MDL 3 (ug/L)	#4 MDL 4 (ug/L)	#5 MDL 5 (ug/L)	#6 MDL 6 (ug/L)	#7 MDL 7 (ug/L)	#8 MDL 8 (ug/L)	Average Conc. (ug/L)	Standard Deviation	MDL (ug/L)	PQL (ug/L)
ALPHA-BHC	0.050	0.0455	0.0472	0.0425	0.0543	0.0500	0.0494	0.0477	0.0496	0.0455	0.0035	0.0104	0.050
BETA-BHC	0.050	0.0490	0.0478	0.0398	0.0558	0.0602	0.0537	0.0586	0.0541	0.0524	0.0066	0.0199	0.050
GAMMA-BHC(LINDANE)	0.050	0.0454	0.0467	0.0403	0.0518	0.0493	0.0498	0.0490	0.0490	0.0477	0.0035	0.0106	0.050
DELTA-BHC	0.050	0.0535	0.0527	0.0516	0.0576	0.0546	0.0568	0.0568	0.0550	0.0548	0.0021	0.0064	0.050
HEPTACHLOR	0.050	0.0379	0.0400	0.0322	0.0453	0.0411	0.0426	0.0416	0.0420	0.0403	0.0039	0.0117	0.050
ALDRIN	0.050	0.0429	0.0451	0.0384	0.0503	0.0467	0.0485	0.0470	0.0474	0.0458	0.0037	0.0111	0.050
HEPTACHLOR EPOXIDE	0.050	0.0467	0.0473	0.0432	0.0539	0.0506	0.0525	0.0511	0.0508	0.0495	0.0035	0.0105	0.050
GAMMA-CHLORDANE	0.050	0.0475	0.0473	0.0441	0.0539	0.0509	0.0531	0.0514	0.0513	0.0499	0.0033	0.0100	0.050
ENDOSULFAN I	0.050	0.0466	0.0471	0.0441	0.0535	0.0510	0.0520	0.0512	0.0511	0.0496	0.0032	0.0097	0.050
ALPHA-CHLORDANE	0.050	0.0469	0.0468	0.0439	0.0538	0.0509	0.0527	0.0512	0.0515	0.0497	0.0034	0.0103	0.050
DIELDRIN	0.050	0.0490	0.0494	0.0466	0.0553	0.0528	0.0531	0.0531	0.0531	0.0516	0.0029	0.0087	0.10
4,4'-DDE	0.050	0.0497	0.0495	0.0488	0.0550	0.0528	0.0538	0.0527	0.0528	0.0519	0.0023	0.0068	0.10
ENDRIN	0.050	0.0476	0.0474	0.0457	0.0530	0.0504	0.0514	0.0507	0.0478	0.0493	0.0025	0.0074	0.10
ENDOSULFAN II	0.050	0.0481	0.0484	0.0491	0.0555	0.0525	0.0539	0.0537	0.0534	0.0518	0.0029	0.0086	0.10
4,4'-DDD	0.050	0.0517	0.0518	0.0527	0.0578	0.0552	0.0574	0.0567	0.0562	0.0549	0.0025	0.0075	0.10
ENDRIN ALDEHYDE	0.050	0.0474	0.0481	0.0510	0.0567	0.0520	0.0555	0.0535	0.0521	0.0520	0.0033	0.0097	0.10
ENDOSULFAN SULFATE	0.050	0.0506	0.0520	0.0531	0.0578	0.0554	0.0561	0.0563	0.0536	0.0544	0.0024	0.0073	0.10
4,4'-DDT	0.050	0.0452	0.0451	0.0468	0.0509	0.0485	0.0502	0.0499	0.0471	0.0480	0.0023	0.0068	0.10
ENDRIN KETONE	0.050	0.0511	0.0512	0.0536	0.0587	0.0557	0.0574	0.0571	0.0564	0.0552	0.0029	0.0086	0.10
METHOXYCHLOR	0.050	0.0402	0.0402	0.0430	0.0474	0.0451	0.0464	0.0459	0.0419	0.0438	0.0028	0.0085	0.50
RESULT FILES		8QA1163.rst	8QA1164.rst	8QA1165.rst	8QA1166.rst	8QA1167.rst	8QA1168.rst	8QA1169.rst	8QA1170.rst				
Date Analyzed		1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00				
Analyst		DBG	DBG	DBG	DBG	DBG	DBG	DBG	DBG		t value =	2.9980	

METHOD DETECTION LIMIT STUDY

Method: SW846 Method 8081 Matix: Water
Prep. Method:Seperatory Funnel 3510 Sample Amount: 1 Liter
Instrument ID: GC08 Channel B Detector: ECD
Column ID: 199 Phase: Rtx-CLPest. I Length: 30 Meters ID: 0.53 m Film Thickness: 0.50 um

Compound	SPIKE CONC. (ug/L)	#1 MDL 1 (ug/L)	#2 MDL 2 (ug/L)	#3 MDL 3 (ug/L)	#4 MDL 4 (ug/L)	#5 MDL 5 (ug/L)	#6 MDL 6 (ug/L)	#7 MDL 7 (ug/L)	#8 MDL 8 (ug/L)	Average Conc. (ug/L)	Standard Deviation	MDL (ug/L)	PQL (ug/L)
ALPHA-BHC	0.050	0.0505	0.0523	0.0476	0.0582	0.0552	0.0549	0.0531	0.0546	0.053	0.0032	0.0097	0.050
GAMMA-BHC(LINDANE)	0.050	0.0510	0.0519	0.0456	0.0582	0.0550	0.0553	0.0542	0.0542	0.053	0.0038	0.0113	0.050
HEPTACHLOR	0.050	0.0396	0.0404	0.0320	0.0454	0.0413	0.0431	0.0401	0.0411	0.040	0.0039	0.0116	0.050
ALDRIN	0.050	0.0544	0.0538	0.0516	0.0622	0.0570	0.0662	0.0597	0.0558	0.058	0.0048	0.0145	0.050
BETA-BHC	0.050	0.0512	0.0506	0.0435	0.0579	0.0533	0.0565	0.0546	0.0544	0.053	0.0045	0.0134	0.050
DELTA-BHC	0.050	0.0583	0.0579	0.0550	0.0628	0.0598	0.0616	0.0608	0.0594	0.059	0.0024	0.0073	0.050
HEPTACHLOR EPOXIDE	0.050	0.0494	0.0497	0.0456	0.0560	0.0529	0.0548	0.0537	0.0531	0.052	0.0034	0.0102	0.050
ENDOSULFAN I	0.050	0.0496	0.0497	0.0467	0.0556	0.0531	0.0545	0.0537	0.0532	0.052	0.0030	0.0091	0.050
GAMMA-CHLORDANE	0.050	0.0487	0.0486	0.0454	0.0547	0.0522	0.0539	0.0526	0.0522	0.051	0.0032	0.0095	0.050
ALPHA-CHLORDANE	0.050	0.0491	0.0489	0.0465	0.0553	0.0525	0.0545	0.0529	0.0523	0.052	0.0030	0.0091	0.050
4,4'-DDE	0.050	0.0512	0.0510	0.0496	0.0563	0.0543	0.0558	0.0548	0.0544	0.053	0.0025	0.0074	0.10
DIELDRIN	0.050	0.0530	0.0531	0.0519	0.0589	0.0562	0.0579	0.0573	0.0568	0.056	0.0026	0.0078	0.10
ENDRIN	0.050	0.0474	0.0469	0.0456	0.0525	0.0499	0.0506	0.0500	0.0467	0.049	0.0024	0.0071	0.10
ENDOSULFAN II	0.050	0.0492	0.0493	0.0506	0.0563	0.0531	0.0543	0.0539	0.0537	0.053	0.0026	0.0077	0.10
4,4'-DDD	0.050	0.0529	0.0529	0.0537	0.0588	0.0561	0.0585	0.0576	0.0569	0.056	0.0024	0.0073	0.10
4,4'-DDT	0.050	0.0470	0.0467	0.0482	0.0522	0.0504	0.0511	0.0511	0.0486	0.049	0.0021	0.0062	0.10
ENDRIN ALDEHYDE	0.050	0.0487	0.0501	0.0523	0.0582	0.0549	0.0570	0.0550	0.0536	0.054	0.0033	0.0098	0.10
ENDOSULFAN SULFATE	0.050	0.0542	0.0549	0.0564	0.0607	0.0586	0.0584	0.0591	0.0566	0.057	0.0022	0.0066	0.10
METHOXYCHLOR	0.050	0.0421	0.0419	0.0441	0.0481	0.0457	0.0463	0.0465	0.0428	0.045	0.0023	0.0069	0.10
ENDRINE KETONE	0.050	0.0555	0.0557	0.0569	0.0623	0.0590	0.0603	0.0602	0.0597	0.059	0.0024	0.0073	0.50
RESULT FILES		8QA2163.rst	8QA2164.rst	8QA2165.rst	8QA2166.rst	8QA2167.rst	8QA2168.rst	8QA2169.rst	8QA2170.rst				
Date Analyzed		1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00				
Analyst		DBG	DBG	DBG	DBG	DBG	DBG	DBG	DBG		t value =	2.9980	

Katahdin Analytical Services, Inc.
Method Detection Limit Study

Instrument Name:	**TJA Trace 61**
Instrument ID:	**A**
Matrix:	**Aqueous**
Prep Method:	**EPA 3010A**
Analysis Method:	**EPA 6010B**

Element	Run ID	Spike (ug/L)	Rep.1 (ug/L)	Rep.2 (ug/L)	Rep.3 (ug/L)	Rep.4 (ug/L)	Rep.5 (ug/L)	Rep.6 (ug/L)	Rep.7 (ug/L)	Rep.8 (ug/L)	Rep.9 (ug/L)	Rep.10 (ug/L)	AVG (ug/L)	Rcvy (%)	Std.Dev. (ug/L)	MDL (ug/L)
Aluminum	AQC07A	40.00	42.57	48.86	51.68	48.60	52.27	50.65	54.17	54.56	59.07	61.46	52.39	131.0	5.391	15.208
Antimony	AQC07A	6.00	6.95	7.20	7.63	6.86	8.29	6.37	6.77	6.00	5.75	6.46	6.83	113.8	0.755	2.130
Arsenic	AQC07A	6.00	4.37	4.05	3.76	5.32	4.32	4.76	3.64	5.30	4.14	4.87	4.45	74.2	0.593	1.672
Barium	AQC07A	0.40	O0.78	0.56	0.62	0.62	0.58	0.61	0.59	0.56	0.58	0.61	0.59	148.1	0.024	0.069
Beryllium	AQC07A	0.40	0.46	0.44	0.42	0.41	0.43	0.44	0.39	0.43	0.43	0.42	0.43	106.8	0.019	0.053
Boron	AQC07A	4.00	4.68	4.49	4.00	4.59	3.92	4.90	4.23	3.87	4.69	3.88	4.33	108.1	0.390	1.101
Cadmium	AQC07A	0.60	0.85	0.83	0.81	0.84	0.73	0.69	0.78	0.72	0.74	0.83	0.78	130.3	0.058	0.163
Calcium	AQC07A	20.00	O22.41	16.07	15.34	15.25	14.63	14.40	11.95	11.62	13.38	10.84	13.72	68.6	1.862	5.392
Chromium	AQC07A	2.00	2.44	2.62	2.45	2.59	2.42	2.93	2.62	2.72	2.38	2.85	2.60	130.1	0.187	0.528
Cobalt	AQC07A	2.00	2.79	2.47	3.03	2.31	2.57	2.65	2.54	2.53	2.35	2.85	2.61	130.5	0.226	0.636
Copper	AQC07A	2.00	2.64	2.24	2.46	2.20	2.02	2.37	2.08	2.54	1.98	2.28	2.28	114.1	0.222	0.626
Iron	AQC13A	30.00	41.72	44.03	38.56	29.91	51.38	38.19	32.58	40.11	56.69	34.02	40.72	135.7	8.300	23.416
Lead	AQC07A	4.00	5.96	5.65	4.20	4.97	6.09	5.79	5.20	5.01	5.58	5.84	5.43	135.7	0.581	1.639
Magnesium	AQC07A	20.00	24.32	22.39	22.41	24.23	22.96	25.67	23.66	21.75	22.84	22.58	23.28	116.4	1.179	3.327
Manganese	AQC07A	0.40	0.64	0.62	0.76	0.63	0.67	0.60	0.68	0.72	0.75	0.73	0.68	170.0	0.057	0.162
Molybdenum	AQC07A	3.00	4.06	3.98	4.11	3.60	2.87	3.66	4.23	3.23	3.32	3.38	3.64	121.5	0.446	1.259
Nickel	AQC07A	2.00	2.35	2.23	3.13	3.16	2.42	2.53	2.38	2.49	2.47	2.78	2.59	129.7	0.323	0.912
Selenium	AQC07A	8.00	5.93	5.66	7.77	6.34	7.19	7.40	o3.91	7.64	6.54	6.11	6.73	84.1	0.785	2.273
Silver	AQC07A	3.00	4.40	3.78	3.55	3.74	3.07	3.91	3.37	3.26	3.42	3.71	3.62	120.7	0.377	1.064
Strontium	AQC13A	0.10	o0.00	0.07	0.07	0.09	0.07	0.05	0.07	0.09	0.07	0.06	0.07	71.1	0.013	0.037
Thallium	AQC07A	10.00	11.55	10.39	10.46	11.64	12.04	10.56	12.53	10.53	10.44	11.70	11.18	111.8	0.794	2.241
Tin	AQC07A	6.00	7.02	6.54	5.08	5.47	7.01	6.92	5.69	5.83	5.89	7.63	6.31	105.1	0.828	2.336
Titanium	AQC07A	1.00	0.68	0.75	0.96	1.11	1.06	0.93	0.75	0.84	0.67	0.82	0.86	85.7	0.153	0.433
Vanadium	AQC07A	2.00	2.19	2.30	2.05	2.50	2.19	2.20	2.71	2.48	2.23	2.27	2.31	115.6	0.195	0.550
Zinc	AQC07A	1.00	1.63	1.45	1.69	1.39	1.49	1.65	1.63	1.52	1.74	1.84	1.60	160.3	0.139	0.393

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Outliers have not been used in calculation of MDLs.

Katahdin Analytical Services, Inc.
Method Detection Limit Study

Instrument Name:	TJA ICAP 61
Instrument ID:	B
Matrix:	Aqueous
Prep Method:	EPA 3010A
Analysis Method:	EPA 6010B

Element	Run ID	Spike (ug/L)	Rep.1 (ug/L)	Rep.2 (ug/L)	Rep.3 (ug/L)	Rep.4 (ug/L)	Rep.5 (ug/L)	Rep.6 (ug/L)	Rep.7 (ug/L)	Rep.8 (ug/L)	Rep.9 (ug/L)	Rep.10 (ug/L)	AVG (ug/L)	Rcvy (%)	Std.Dev. (ug/L)	MDL (ug/L)
Aluminum	BQC03A	50.00	45.58	52.44	46.11	50.73	49.73	45.76	52.26	51.19	49.15	47.83	49.08	98.2	2.639	7.443
Antimony	BQC03A	20.00	7.54	5.89	14.68	5.83	20.20	8.82	8.74	26.48	15.21	17.45	13.08	65.4	6.899	19.462
Barium	BQC03A	1.50	1.22	1.55	1.20	1.19	1.19	1.20	1.36	1.75	1.27	1.03	1.30	86.4	0.209	0.589
Beryllium	BQC03A	1.00	1.06	0.77	1.05	0.78	o0.51	0.78	0.79	1.05	1.03	0.77	0.90	89.8	0.142	0.412
Boron	BQC03A	20.00	16.51	O22.21	16.34	16.07	16.17	17.44	17.24	15.49	18.35	18.71	16.92	84.6	1.087	3.149
Cadmium	BQC03A	5.00	3.36	7.23	5.40	5.87	5.41	4.50	4.92	5.54	4.77	4.61	5.16	103.2	1.013	2.859
Calcium	BQC03A	50.00	28.51	32.21	38.17	37.33	39.37	45.75	45.29	46.04	40.76	43.28	39.67	79.3	5.882	16.593
Chromium	BQC03A	10.00	6.06	6.02	9.01	11.84	2.95	2.98	5.92	9.22	3.21	9.03	6.62	66.2	3.074	8.671
Cobalt	BQC03A	10.00	12.59	11.72	12.09	11.93	10.05	11.66	12.73	12.30	9.37	10.16	11.46	114.6	1.172	3.307
Copper	BQC03A	5.00	4.94	3.91	2.91	2.82	2.86	2.89	2.83	5.99	3.20	3.89	3.62	72.5	1.084	3.057
Iron	BQC03A	15.00	18.06	14.29	15.45	17.20	13.69	18.18	15.19	14.59	18.82	21.93	16.74	111.6	2.567	7.240
Magnesium	BQC03A	50.00	55.83	61.05	51.23	53.40	59.16	53.90	53.44	67.49	48.72	54.16	55.84	111.7	5.417	15.283
Manganese	BQC03A	2.00	2.60	2.59	2.58	O8.95	2.56	2.58	2.55	2.62	O2.68	2.59	2.58	129.2	0.022	0.066
Nickel	BQC03A	20.00	25.21	14.84	29.67	16.56	23.25	22.58	18.93	15.06	18.64	17.94	20.27	101.3	4.799	13.537
Potassium	BQC03A	1000.00	1175.97	983.53	722.52	883.37	1017.34	691.45	886.00	951.63	968.00	1002.18	928.20	92.8	142.263	401.324
Selenium	BQC03A	50.00	50.27	59.29	35.11	36.57	47.77	55.37	53.04	63.79	49.74	50.08	50.10	100.2	8.954	25.260
Silicon	BQC03A	50.00	43.26	35.85	29.84	27.23	19.53	11.37	22.08	18.07	20.33	17.48	24.50	49.0	9.590	27.053
Silver	BQC03A	9.00	10.70	10.67	10.67	10.62	10.62	10.64	O11.41	10.73	9.97	9.86	10.50	116.6	0.333	0.966
Sodium	BQC03A	50.00	69.84	67.14	61.61	65.22	59.81	67.91	64.67	66.94	66.44	72.80	66.24	132.5	3.748	10.572
Vanadium	BQC03A	10.00	9.59	11.43	11.41	11.29	9.42	9.47	9.41	9.66	11.80	11.46	10.49	104.9	1.048	2.955
Zinc	BQC03A	3.00	6.24	4.24	4.19	3.90	3.65	5.17	3.39	5.08	3.96	3.99	4.38	146.0	0.863	2.434

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Outliers have not been included in calculation of MDLs.

Katahdin Analytical Services, Inc.
Method Detection Limit Study

Instrument Name:	Leeman PS200
Instrument ID:	D
Matrix:	Aqueous
Prep Method:	EPA 7470A
Analysis Method:	EPA 7470A

Element	Run ID	Spike (ug/L)	Rep.1 (ug/L)	Rep.2 (ug/L)	Rep.3 (ug/L)	Rep.4 (ug/L)	Rep.5 (ug/L)	Rep.6 (ug/L)	Rep.7 (ug/L)	Rep.8 (ug/L)	Rep.9 (ug/L)	Rep.10 (ug/L)	AVG (ug/L)	Rcvy (%)	Std.Dev. (ug/L)	MDL (ug/L)
Mercury	DQB17B	0.10	0.08	0.10	0.10	0.11	0.11	0.13	0.06	0.08	0.10		0.10	95.6	0.020	0.057

Notes: "O" denotes a high statistical outlier, as determined by the Q-test
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Katahdin Analytical Services, Inc.
Method Detection Limit Study

Instrument Name:	TJA Trace ICP
Instrument ID:	A
Matrix:	Soil
Prep Method:	EPA 3050B
Analysis Method:	EPA 6010B

Element	Run ID	Spike (ug/L)	Rep.1 (ug/L)	Rep.2 (ug/L)	Rep.3 (ug/L)	Rep.4 (ug/L)	Rep.5 (ug/L)	Rep.6 (ug/L)	Rep.7 (ug/L)	Rep.8 (ug/L)	Rep.9 (ug/L)	Rep.10 (ug/L)	AVG (ug/L)	Rcvy (%)	Std.Dev. (ug/L)	MDL (ug/L)	MDL (mg/kg)
Aluminum	AQC07A	40.00	63.52	69.41	63.21	64.66	62.05	64.46	79.64	73.07	89.28	O121.36	69.92	174.8	9.253	26.795	2.680
Antimony	AQC07A	6.00	6.75	5.53	6.17	7.64	6.00	6.58	5.64	5.58	5.75	5.14	6.08	101.3	0.737	2.078	0.208
Arsenic	AQC07A	6.00	4.61	4.75	3.38	4.50	4.21	3.76	3.38	3.96	4.25	3.48	4.03	67.1	0.514	1.451	0.145
Barium	AQC07A	0.40	1.20	2.64	1.00	2.75	1.69	5.33	1.99	1.69	1.02	3.63	2.29	573.5	1.360	3.837	0.384
Beryllium	AQC07A	0.40	0.45	0.46	0.45	o0.41	0.48	0.49	0.50	0.49	0.47	0.46	0.47	118.1	0.019	0.054	0.005
Boron	AQC07A	4.00	7.93	9.04	5.75	7.82	11.79	13.00	10.38	16.90	9.52	17.39	10.95	273.8	3.855	10.875	1.088
Cadmium	AQC07A	0.60	0.83	0.75	0.78	0.75	0.71	0.79	0.80	0.86	0.93	0.84	0.80	134.0	0.064	0.180	0.018
Calcium	AQC07A	20.00	14.84	15.05	14.20	13.29	13.14	15.54	13.81	O30.82	O55.14	O117.35	14.27	71.3	0.913	2.869	0.287
Chromium	AQC07A	2.00	2.95	3.29	2.79	3.46	2.91	2.75	3.03	3.10	2.85	2.66	2.98	149.0	0.249	0.702	0.070
Cobalt	AQC07A	2.00	2.69	2.80	2.50	2.63	2.43	2.23	2.24	2.32	2.29	2.11	2.42	121.2	0.226	0.637	0.064
Copper	AQC07A	2.00	2.13	O2.79	2.17	2.26	2.35	1.83	2.28	2.03	1.99	2.01	2.12	105.8	0.167	0.482	0.048
Iron	AQC07A	30.00	30.41	32.25	40.03	39.45	34.81	41.82	55.21	34.29	49.30	37.75	39.53	131.8	7.716	21.768	2.177
Lead	AQC07A	4.00	5.01	5.25	6.08	5.00	5.16	4.98	5.45	5.76	5.20	5.14	5.30	132.6	0.362	1.020	0.102
Magnesium	AQC07A	20.00	22.00	25.89	22.17	23.93	22.16	20.30	23.02	25.36	26.23	O33.14	23.45	117.3	2.033	5.888	0.589
Manganese	AQC07A	0.40	0.75	0.63	0.62	0.80	0.62	0.55	0.63	0.61	0.62	0.75	0.66	164.5	0.080	0.224	0.022
Molybdenum	AQC07A	3.00	4.67	4.08	3.54	4.25	3.00	3.20	2.86	3.88	3.89	3.66	3.70	123.4	0.570	1.609	0.161
Nickel	AQC07A	2.00	3.08	2.89	2.88	2.50	2.50	2.79	2.49	3.06	2.49	2.54	2.72	136.1	0.245	0.691	0.069
Selenium	AQC07A	8.00	7.07	7.47	6.01	6.94	7.50	5.47	6.51	7.99	7.09	6.48	6.85	85.7	0.752	2.120	0.212
Silver	AQC07A	3.00	3.65	4.28	3.53	4.46	3.70	3.33	3.23	3.67	3.48	3.57	3.69	123.0	0.390	1.100	0.110
Strontium	AQC13A	0.10	0.11	0.14	0.09	0.13	0.11	0.15	0.13	0.11	0.22	0.27	0.15	146.0	0.056	0.159	0.016
Thallium	AQC07A	10.00	8.15	8.61	8.81	12.15	7.91	9.69	10.64	9.52	8.95	9.01	9.34	93.4	1.259	3.553	0.355
Tin	AQC07A	6.00	40.92	41.31	43.17	41.09	40.30	39.66	39.79	39.80	38.59	37.24	40.19	669.8	1.611	4.543	0.454
Titanium	AQC07A	1.00	1.48	1.56	1.35	1.38	0.84	1.27	1.39	1.86	2.25	1.95	1.53	153.3	0.398	1.123	0.112
Vanadium	AQC07A	2.00	2.28	2.68	2.53	2.21	2.16	2.34	2.31	2.77	1.99	2.58	2.39	119.3	0.247	0.698	0.070
Zinc	AQC07A	1.00	1.45	2.04	1.83	1.22	1.30	1.55	2.34	1.48	1.21	2.35	1.68	167.7	0.438	1.234	0.123

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Outliers have not been included in calculation of MDLs.

Katahdin Analytical Services, Inc.
Method Detection Limit Study

Instrument Name:	TJA ICAP 61
Instrument ID:	B
Matrix:	Soil
Prep Method:	EPA 3050B
Analysis Method:	EPA 6010B

Element	Run ID	Spike (ug/L)	Rep.1 (ug/L)	Rep.2 (ug/L)	Rep.3 (ug/L)	Rep.4 (ug/L)	Rep.5 (ug/L)	Rep.6 (ug/L)	Rep.7 (ug/L)	Rep.8 (ug/L)	Rep.9 (ug/L)	Rep.10 (ug/L)	AVG (ug/L)	Rcvy (%)	Std.Dev. (ug/L)	MDL (ug/L)	MDL (mg/kg)
Aluminum	BQC03A	50.00	66.19	59.21	58.52	61.83	60.51	58.23	58.13	66.64	57.88	o46.12	60.79	121.6	3.433	9.942	0.994
Antimony	BQC03A	20.00	23.11	-1.23	20.59	16.94	17.20	21.51	12.39	21.38	7.90	9.26	14.91	74.5	7.762	21.896	2.190
Barium	BQC03A	1.50	2.38	1.47	1.40	O7.79	2.03	1.84	2.75	2.54	1.99	1.44	1.98	132.1	0.497	1.440	0.144
Beryllium	BQC03A	1.00	1.60	1.60	1.34	1.62	1.30	1.32	1.31	1.32	1.32	1.32	1.41	140.5	0.140	0.394	0.039
Boron	BQC03A	20.00	20.05	19.93	21.19	21.05	22.65	24.96	26.20	29.58	23.34	19.58	22.85	114.3	3.237	9.132	0.913
Cadmium	BQC03A	5.00	6.68	6.77	3.56	3.92	4.85	6.23	6.23	6.69	3.89	6.18	5.50	110.0	1.301	3.669	0.367
Calcium	BQC03A	50.00	50.71	39.42	51.26	42.85	45.94	39.23	43.78	39.85	52.55	38.06	44.37	88.7	5.486	15.476	1.548
Chromium	BQC03A	10.00	9.64	O12.79	9.15	6.42	9.75	9.69	6.48	9.58	9.52	9.47	8.86	88.6	1.375	3.981	0.398
Cobalt	BQC03A	10.00	12.82	12.36	8.29	9.03	10.00	14.50	11.61	12.30	10.21	10.97	11.21	112.1	1.882	5.310	0.531
Copper	BQC03A	5.00	5.40	4.34	3.01	3.28	3.39	2.33	4.39	4.31	3.25	4.21	3.79	75.8	0.892	2.515	0.251
Iron	BQC03A	15.00	18.86	26.82	12.09	27.11	16.90	21.03	13.82	16.57	13.95	10.12	17.73	118.2	5.813	16.398	1.640
Magnesium	BQC03A	50.00	59.77	55.16	58.81	44.85	57.15	70.11	62.72	56.47	57.61	60.24	58.29	116.6	6.334	17.869	1.787
Manganese	BQC03A	2.00	2.04	2.72	1.94	2.71	2.74	2.73	2.73	2.71	3.37	1.34	2.50	125.2	0.570	1.609	0.161
Nickel	BQC03A	20.00	18.62	13.59	19.86	24.59	24.08	10.66	6.26	20.07	26.48	19.47	18.37	91.8	6.432	18.146	1.815
Potassium	BQC03A	1000.00	1096.94	1061.07	1008.53	849.58	1208.46	1424.61	1171.93	1061.26	1243.58	1136.56	1126.25	112.6	153.287	432.422	43.242
Selenium	BQC03A	50.00	46.63	52.38	65.29	56.00	66.56	38.76	56.49	52.19	65.40	49.79	54.95	109.9	8.985	25.347	2.535
Silicon	BQC03A	50.00	81.02	76.16	91.33	104.98	93.44	97.63	125.78	O192.14	127.44	91.31	98.79	197.6	17.878	51.775	5.178
Silver	BQC03A	9.00	10.09	9.22	9.07	9.18	8.38	9.21	9.24	10.05	9.18	8.31	9.19	102.1	0.577	1.628	0.163
Sodium	BQC03A	50.00	75.80	78.97	63.60	O127.81	75.54	79.58	95.87	92.62	77.01	67.02	78.45	156.9	10.455	30.279	3.028
Vanadium	BQC03A	10.00	14.04	14.01	11.55	9.95	14.13	10.03	12.04	11.95	11.89	11.84	12.14	121.4	1.522	4.295	0.429
Zinc	BQC03A	3.00	5.15	3.32	4.07	5.05	3.61	4.64	4.40	4.30	4.24	3.72	4.25	141.7	0.598	1.686	0.169

Notes: "O" denotes a high statistical outlier, as determined by the Q-test
"o" denotes a high statistical outlier, as determined by the Q-test
Outliers have not been included in calculation of MDLs.

Katahdin Analytical Services, Inc.
Method Detection Limit Study

Instrument Name:	Leeman PS200
Instrument ID:	D
Matrix:	Soil
Prep Method:	EPA 7471A
Analysis Method:	EPA 7471A

Element	Run ID	Spike (ug/L)	Rep.1 (ug/L)	Rep.2 (ug/L)	Rep.3 (ug/L)	Rep.4 (ug/L)	Rep.5 (ug/L)	Rep.6 (ug/L)	Rep.7 (ug/L)	Rep.8 (ug/L)	Rep.9 (ug/L)	Rep.10 (ug/L)	AVG (ug/L)	Rcvy (%)	Std.Dev. (ug/L)	MDL (ug/L)	MDL (mg/kg)
Mercury	DQB01A	0.10	o0.08	0.13	0.14	0.16	0.13	0.14	0.16	0.14	0.16		0.14	144.0	0.013	0.038	0.0038

Notes: "O" denotes a high statistical outlier, as determined by the Q-test
"o" denotes a high statistical outlier, as determined by the Q-test
Outliers have not been included in calculation of MDLs.

Appendix D

Analytical Report Form I Data Tables

D.1 Ground-Water Samples
D.2 Surface Water Sample
D.3 Leachate Station Seep Sample
D.4 Sediment Samples
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-18-S9-MW069	MW-NASB-069
BN-18-S9-MWXD1	MW-NASB-069 - Duplicate
BN-18-S9-MW070	MW-NASB-070
BN-18-S9-MW071	MW-NASB-071
BN-18-S9-MW072	MW-NASB-072
BN-18-S9-MW074	MW-NASB-074
BN-18-S9-MW075	MW-NASB-075
BN-18-S9-MW076	MW-NASB-076
BN-18-S9-MW079	MW-NASB-079
BN-18-S9-MW021	MW-NASB-080
BN-18-S9-MWXD2	MW-NASB-021 – Duplicate
BN-18-S9-MW022	MW-NASB-022
BN-18-S9-MW227	MW-NASB-227
Trip Blank	
BN-18-S9-QT002	Trip Blank

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: Sue Chase | Phone #: (207) 798-5977 | Fax #: (207) 798-4636

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

Purchase Order #: | Proj. Name / No.: LTMP/Ev+18 | Katahdin Quote #:

Bill (if different than above): | Address:

Sampler (Print / Sign): | Copies To:

LAB USE ONLY WORK ORDER #: WR1362 -*

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	SVOC Filt. ☐Y☐N	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
✓	BN-18-S9-MW69	4-25-01/1450	W	6	X	X	X			~~MS/MSD~~				
✓	BN-18-S9-MW70	4-25-01/1320	W	3		X	X							
✓	BN-18-S9-MW71	4-26-01/1405	W	3	X									
✓	BN-18-S9-MW72	4-26-01/1210	W	3	X									
✓	BN-18-S9-MW74	4-26-01/1112	W	3	X									
✓	BN-18-S9-MW75	4-26-01/1002	W	3	X									
✓	BN-18-S9-MW76	4-26-01/1255	W	3	X									
✓	BN-18-S9-MW79	4-25-01/1450	W	8		X	X			MS/MSD				
✓	BN-18-S9-MW21	4-25-01/1350	W	3	X									
✓	BN-18-S9-MW22	4-25-01/1100	W	3	X									
✓	BN-18-S9-MW27	4-25-01/1010	W	3	X									
✓	BN-18-S9-MWXD1	4-25-01/—	W	6	X	X	X							
✓	BN-18-S9-MWXD2	4-25-01/—	W	3	X									
		/												
		/												
		/												

COMMENTS: Begins + Ends SDG BN-18-S9-MW69

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Jerome Chaney	4-26-01 1500	[signature]		04-26-01 1655	Shelly Well
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.

ORIGINAL

KAS-COC1 (R.0900)

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	Sue Chase	(207) 798-5977	( )

Address | City | State | Zip Code

Purchase Order # | Proj. Name / No | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To.

LAB USE ONLY WORK ORDER # WR1363

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	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-18-S9-DSXD1D	4-25-01/ —	W	3	X										
✓	BN-18-S9-DS21S	4-25-01/1235	W	3	X										
-	~~BN-18-S9-DS21M~~	~~4-25-01~~	~~W~~	~~3~~	~~X~~	not	collected								
✓	BN-18-S9-DS21D	4-25-01/1240	W	3	X										
✓	BN-18-S9-DS22S	4-25-01/1020	W	3	X										
✓	BN-18-S9-DS22M	4-25-01/1025	W	3	X										
✓	BN-18-S9-DS22D	4-25-01/1030	W	3	X										
✓	BN-18-S9-DS227S	4-25-01/855	W	9	X							MS/MSD			
✓	BN-18-S9-DS227M	4-25-01/900	W	3	X										
✓	BN-18-S9-DS227D	4-25-01/905	W	3	X										
	BN-18-S9-GT002	4-26-01/1500	W	3	X										
		/													
		/													
		/													
		/													
		/													

COMMENTS Begins + Ends SOC BN-18-S9-DSXD1D

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	4-26-01 1500	[illegible]		04-26-01 1605	[illegible]
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.

KAS-COC1 (R 0900)

ORIGINAL

0000007

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client:	SHERRI PULLAR	**Lab Number:**	WR1362-10
	EA Engineering	**SDG:**	BN18S9MW69
	3 Washington Center	**Report Date:**	5/15/01
		PO No. :	29600.47
	Newburgh, NY 12550	**Project:**	LTMP EVENT 18
Proj. ID:	NASB	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW21	AQ	4/25/01	4/26/01	5/1/01	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	<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: NASB

Lab Number: WR1362-10
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW21	AQ	4/25/01	4/26/01	5/1/01	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	109	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	89	%	1.0		
1,2-DICHLOROETHANE-D4	105	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-13
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD2	AQ	4/25/01	4/26/01	5/1/01	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	<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:**	WR1362-13
	EA Engineering	**SDG:**	BN18S9MW69
	3 Washington Center	**Report Date:**	5/15/01
		PO No. :	29600.47
	Newburgh, NY 12550	**Project:**	LTMP EVENT 18
Proj. ID:	NASB	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD2	AQ	4/25/01	4/26/01	5/1/01	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	99	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	86	%	1.0		
1,2-DICHLOROETHANE-D4	108	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client:	SHERRI PULLAR	**Lab Number:**	WR1362-11
	EA Engineering	**SDG:**	BN18S9MW69
	3 Washington Center	**Report Date:**	5/15/01
		PO No. :	29600.47
	Newburgh, NY 12550	**Project:**	LTMP EVENT 18
Proj. ID:	NASB	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW22	AQ	4/25/01	4/26/01	5/1/01	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	<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: NASB

Lab Number: WR1362-11
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW22	AQ	4/25/01	4/26/01	5/1/01	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	102	%	1.0		
P-BROMOFLUOROBENZENE	89	%	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: NASB

Lab Number: WR1362-1
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW69	AQ	4/25/01	4/26/01	5/1/01	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	53	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: NASB

Lab Number: WR1362-1
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW69	AQ	4/25/01	4/26/01	5/1/01	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	96	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	87	%	1.0		
1,2-DICHLOROETHANE-D4	101	%	1 0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client:	SHERRI PULLAR	**Lab Number:**	WR1362-1
	EA Engineering	**SDG:**	BN18S9MW69
	3 Washington Center	**Report Date:**	5/31/01
		PO No. :	29600.47
	Newburgh, NY 12550	**Project:**	LTMP EVENT 18
Proj. ID:	NASB	**% Solids:**	N/A
		Method:	EPA 8270B
		Date Analyzed:	5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW69	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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-NITROSO-DI-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: NASB

Lab Number: WR1362-1
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW69	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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	56	%	1.0		
PHENOL-D6	61	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-1
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW69	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	59	%	1.0		
2-FLUOROBIPHENYL	62	%	1.0		
2,4,6-TRIBROMOPHENOL	87	%	1.0		
TERPHENYL-D14	79	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-18-S9-MW69

Matrix: WATER **SDG Name:** BN18S9MW69

Percent Solids: 0.00 **Lab Sample ID:** WR1362-001

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	90.1	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	9.7			P	1
7440-41-7	BERYLLIUM	0.18	U		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	6980			P	1
7440-47-3	CHROMIUM	0.82	B		P	1
7440-48-4	COBALT	0.92	U		P	1
7440-50-8	COPPER	1.2	B		P	1
7439-89-6	IRON	407			P	1
7439-92-1	LEAD	2.0	B		P	1
7439-95-4	MAGNESIUM	2880			P	1
7439-96-5	MANGANESE	488			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	2.5	B		P	1
7440-09-7	POTASSIUM	1510			P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1
7440-23-5	SODIUM	62500			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	1.3	B		P	1
7440-66-6	ZINC	2.7	B		P	1

Color Before: COLORLESS Clarity Before: CLEAR

Color After: COLORLESS Clarity After: CLEAR

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-2
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD1	AQ	4/25/01	4/26/01	5/1/01	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	57	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:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-2
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD1	AQ	4/25/01	4/26/01	5/1/01	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	95	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	88	%	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: NASB

Lab Number: WR1362-2
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD1	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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-NITROSO-DI-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: NASB

Lab Number: WR1362-2
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD1	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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	54	%	1.0		
PHENOL-D6	58	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client:	SHERRI PULLAR	**Lab Number:**	WR1362-2
	EA Engineering	**SDG:**	BN18S9MW69
	3 Washington Center	**Report Date:**	5/31/01
		PO No. :	29600.47
	Newburgh, NY 12550	**Project:**	LTMP EVENT 18
Proj. ID:	NASB	**% Solids:**	N/A
		Method:	EPA 8270B
		Date Analyzed:	5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MWXD1	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	50	%	1.0		
2-FLUOROBIPHENYL	64	%	1.0		
2,4,6-TRIBROMOPHENOL	69	%	1.0		
TERPHENYL-D14	88	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-18-S9-MWXD1

Matrix: WATER **SDG Name:** BN18S9MW69

Percent Solids: 0.00 **Lab Sample ID:** WR1362-002

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	98.2	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	8.4			P	1
7440-41-7	BERYLLIUM	0.18	U		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	7340			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	337			P	1
7439-92-1	LEAD	1.48	U		P	1
7439-95-4	MAGNESIUM	3000			P	1
7439-96-5	MANGANESE	516			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	2.0	B		P	1
7440-09-7	POTASSIUM	1590			P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1
7440-23-5	SODIUM	64200			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	1.3	B		P	1
7440-66-6	ZINC	1.6	B		P	1

Color Before: COLORLESS Clarity Before: CLEAR

Color After: COLORLESS Clarity After: CLEAR

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-3
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW70	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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-NITROSO-DI-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: NASB

Lab Number: WR1362-3
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW70	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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	57	%	1.0		
PHENOL-D6	66	%	1 0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-3
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW70	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	66	%	1.0		
2-FLUOROBIPHENYL	70	%	1.0		
2,4,6-TRIBROMOPHENOL	87	%	1.0		
TERPHENYL-D14	84	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-18-S9-MW70

Matrix: WATER **SDG Name:** BN18S9MW69

Percent Solids: 0.00 **Lab Sample ID:** WR1362-003

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	29.54	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	14.1			P	1
7440-41-7	BERYLLIUM	0.18	U		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	11900			P	1
7440-47-3	CHROMIUM	0.57	U		P	1
7440-48-4	COBALT	0.92	U		P	1
7440-50-8	COPPER	6.3	B		P	1
7439-89-6	IRON	22.9	B		P	1
7439-92-1	LEAD	1.7	B		P	1
7439-95-4	MAGNESIUM	1120			P	1
7439-96-5	MANGANESE	203			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	1.7	B		P	1
7440-09-7	POTASSIUM	500	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	12900			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	0.52	U		P	1
7440-66-6	ZINC	0.47	U		P	1

Color Before: COLORLESS Clarity Before: CLEAR

Color After: COLORLESS Clarity After: CLEAR

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-5
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW71	AQ	4/26/01	4/26/01	5/1/01	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	<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: NASB

Lab Number: WR1362-5
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW71	AQ	4/26/01	4/26/01	5/1/01	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	95	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	88	%	1.0		
1,2-DICHLOROETHANE-D4	102	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-6
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW72	AQ	4/26/01	4/26/01	5/1/01	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	<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: NASB

Lab Number: WR1362-6
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW72	AQ	4/26/01	4/26/01	5/1/01	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	101	%	1.0		
P-BROMOFLUOROBENZENE	88	%	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: NASB

Lab Number: WR1362-7
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW74	AQ	4/26/01	4/26/01	5/1/01	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	J0.5	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: NASB

Lab Number: WR1362-7
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW74	AQ	4/26/01	4/26/01	5/1/01	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	94	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	99	%	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: NASB

Lab Number: WR1362-8
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW75	AQ	4/26/01	4/26/01	5/1/01	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	<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: NASB

Lab Number: WR1362-8
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW75	AQ	4/26/01	4/26/01	5/1/01	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	96	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	102	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-9
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW76	AQ	4/26/01	4/26/01	5/1/01	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	J2	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: NASB

Lab Number: WR1362-9
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW76	AQ	4/26/01	4/26/01	5/1/01	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	97	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	88	%	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: NASB

Lab Number: WR1362-4
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/25/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW79	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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-NITROSO-DI-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: NASB

Lab Number: WR1362-4
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/25/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW79	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

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	54	%	1.0		
PHENOL-D6	68	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-4
SDG: BN18S9MW69
Report Date: 5/31/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8270B
Date Analyzed: 5/25/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW79	AQ	4/25/01	4/26/01	5/1/2001	KAS	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	67	%	1.0		
2-FLUOROBIPHENYL	67	%	1.0		
2,4,6-TRIBROMOPHENOL	84	%	1.0		
TERPHENYL-D14	85	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** BN-18-S9-MW79

Matrix: WATER **SDG Name:** BN18S9MW69

Percent Solids: 0.00 **Lab Sample ID:** WR1362-004

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7429-90-5	ALUMINUM	35.5	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	181			P	1
7440-41-7	BERYLLIUM	0.18	U		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-70-2	CALCIUM	21500			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	13900			P	1
7439-92-1	LEAD	1.48	U		P	1
7439-95-4	MAGNESIUM	1430			P	1
7439-96-5	MANGANESE	77.4			P	1
7439-97-6	MERCURY	0.03	U		CV	1
7440-02-0	NICKEL	1.3	B		P	1
7440-09-7	POTASSIUM	2310			P	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1
7440-23-5	SODIUM	4970			P	1
7440-28-0	THALLIUM	4.74	U		P	1
7440-62-2	VANADIUM	0.52	U		P	1
7440-66-6	ZINC	0.47	U		P	1

Color Before: COLORLESS Clarity Before: CLEAR

Color After: COLORLESS Clarity After: CLEAR

Comments:

FORM I - IN

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1362-12
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW227	AQ	4/25/01	4/26/01	5/1/01	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	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: NASB

Lab Number: WR1362-12
SDG: BN18S9MW69
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-MW227	AQ	4/25/01	4/26/01	5/1/01	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	109	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	89	%	1.0		
1,2-DICHLOROETHANE-D4	108	%	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: NASB

Lab Number: WR1363-9
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QT002	AQ	4/26/01	4/26/01	5/1/01	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	J0.6	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: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1363-9
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QT002	AQ	4/26/01	4/26/01	5/1/01	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	110	%	1.0		
TOLUENE-D8	102	%	1 0		
P-BROMOFLUOROBENZENE	93	%	1 0		
1,2-DICHLOROETHANE-D4	112	%	1.0		

Report Notes: 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-18-S9-SW10	SW-010
BN-18-S9-SWXD1	SW-010- Duplicate
Trip Blank	
BN-3-S2-QT003	Trip Blank
BN-18EP-QT004	Trip Blank
BN-18-EP-QT005	Trip Blank
Equipment Rinsate Blank	
BN-18-S9-QS001SW	Rinse Blank
Source Water Blank	
BN-18-S1-QD001	Source Water

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

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	(207) 798-4636

Address: 175 Middlesex Turnpike City: Bedford State: Zip Code:

Purchase Order #: Proj. Name / No.: EU+18/Site9 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): Copies To:

LAB USE ONLY WORK ORDER #: WR1499

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	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-18-S9-LT901	5-2-01 / 1545	W	9	X			MS/MSD							
✓	BN-18-S9-SW10	5-2-01 / 1445	W	3	X										
✓	BN-18-S9-SWRD1	5-2-01 / 1445	W	3	X										
✓	BN-18-S9-QS001SW	5-2-01 / 1410	W	3	X										
✓	BN-18-S9-QS002SD	5-2-01 / 1415	W	3	X										
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		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS

Relinquished By (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Eugene Chase	5/3 01 1500	[signature]	[signature]	5/3 1530	Shelly [signature]
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.

ORIGINAL

KAS-COC1 (R.0900)

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 PRINT IN PEN

Page ____ of ____

Client: EA

Contact: Sue Chase

Phone #: ( ) 798-5977

Fax #: ( )

Address | City | State | Zip Code

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To.

LAB USE ONLY

WORK ORDER #: WR1361

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	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-18-S1-SP1	4-26-01/ 1430	W	4	X	X								
	~~BN-18-S1 SP3~~	~~4-26-01/~~						DRY	(NO	SAMPLE)				
✓	BN-18-S1-SP4	4-26-01/ 1440	W	4	X	X								
✓	BN-18-S1-SP5	4-26-01/ 1510	W	4	X	X								
✓	BN-18-S1-SP9	4-26-01/ 1500	W	4	X	X								
✓	BN-18-S1-SPYD1	4-26-01/ -	W	4	X	X								
✓	BN-18-S1-SW4	4-26-01/ 1415	W	4	X	X								
✓	BN-18-S1-SW7	4-26-01/ 1400	W	4	X	X								
✓	BN-18-S1-SW8	4-26-01/ 1340	W	4	X	X								
✓	BN-18-S1-SW9	4-26-01/ 1320	W	11	X	X			MS/MSD					
✓	BN-18-S1-QS001SW	4-24-01/ 1540	W	4	X	X								
✓	BN-18-S1-QS002SD	4-24-01/ 1550	W	4	X	X								
✓	BN-18-S1-QD001	4-24-01/ 1530	W	4	X	X								
✓	BN-18-S1-SWXD1	4-26-01/ -	W	4	X	X								
		/												
		/												

COMMENTS Begins + Ends SDG BN18-S1SP1

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	4-26-01 1500	[signature]		04-26-01 1655	Shelly Hill
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC (207) 782-3311
FORM # CHN-OF-CSTDY

ORIGINAL

CCCCCCC08

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 PRINT IN PEN

Page ____ of ____

Client: EA Engineering
Contact: Sue Chase
Phone #: (207) 798-5977
Fax #: (207) 798-9636
Address
City
State
Zip Code
Purchase Order #
Proj. Name / No.
Katahdin Quote #
Bill (if different than above)
Address
Sampler (Print / Sign)
Copies To

LAB USE ONLY
WORK ORDER #: WR1384
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	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	Filt. ☐Y☐N
	BN-3-S2-MW103	4-27-01/ 1150	W	4	X	X										
	BN-3-S2-MW104	4-27-01/ 1010	W	4	X	X										
	BN-3-S2-MW241	4-27-01/ 1340	W	11	X	X			MS/MSD							
	BN-3-S2-MW242	4-27-01/ 1235	W	4	X	X										
	BN-3-S2-MW243	4-27-01/ 1110	W	4	X	X										
	BN-3-S2-MWXD1	4-27-01/ —	W	4	X	X										
	BN-3-S2-QT003	4-27-01/ 1430	W	3	X											
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		/														
		/														

COMMENTS: Begins + Ends SDG

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	4/27/01 1635	[signature]			
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 PRINT IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	( )

Address	City	State	Zip Code

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To:

LAB USE ONLY WORK ORDER #: WR1500

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	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
					5°C									
✓	BN-18-EP-DS221A	5-2 / 1200	W	3	X									
✓	BN18-EP-DSYD4	5-2 / —	W	3	X									
✓	BN-18-EP-DS224	5-2 / 1400	W	9	X		MS	/ MSD						
✓	BN-18-EP-DS306	5-2 / 1425	W	3	X									
✓	BN-18-EP-DSQS1	5-2 / 1600	W	3	X									
✓	BN-18-EP ~~DS~~QT005	5-3-01 / 1300	W	3	X									
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		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	5-3-01 1500	James H. Post	James H. Post	5/3 500	Shelly Well
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: WR1499-2
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SW10	AQ	5/2/01	5/3/01	5/8/01	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	<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: WR1499-2
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SW10	AQ	5/2/01	5/3/01	5/8/01	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	108	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	93	%	1.0		
1,2-DICHLOROETHANE-D4	114	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client:	SHERRI PULLAR	**Lab Number:**	WR1499-3
	EA Engineering	**SDG:**	WR1499
	3 Washington Center	**Report Date:**	5/31/01
		PO No. :	26900.47
	Newburgh, NY 12550	**Project:**	LTM EVENT 18
Proj. ID:	NAS BRUNSWICK	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SWXD1	AQ	5/2/01	5/3/01	5/8/01	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	<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: WR1499-3
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SWXD1	AQ	5/2/01	5/3/01	5/8/01	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	108	%	1.0		
TOLUENE-D8	107	%	1.0		
P-BROMOFLUOROBENZENE	95	%	1.0		
1,2-DICHLOROETHANE-D4	114	%	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: WR1384-7
SDG: WR1384
Report Date: 5/22/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-3-S2-QT003	AQ	4/27/01	4/27/01	5/3/01	KMC	5030	KMC

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: WR1384-7
SDG: WR1384
Report Date: 5/22/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-3-S2-QT003	AQ	4/27/01	4/27/01	5/3/01	KMC	5030	KMC

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	94	%	1.0		
P-BROMOFLUOROBENZENE	78	%	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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	J0.7	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: 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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	98	%	1.0		
1,2-DICHLOROETHANE-D4	109	%	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method. EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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	106	%	1.0		
TOLUENE-D8	104	%	1 0		
P-BROMOFLUOROBENZENE	92	%	1.0		
1,2-DICHLOROETHANE-D4	111	%	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: WR1499-4
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QS001SW	AQ	5/2/01	5/3/01	5/8/01	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	<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:**	WR1499-4
	EA Engineering	**SDG:**	WR1499
	3 Washington Center	**Report Date:**	5/31/01
		PO No. :	26900.47
	Newburgh, NY 12550	**Project:**	LTM EVENT 18
Proj. ID:	NAS BRUNSWICK	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QS001SW	AQ	5/2/01	5/3/01	5/8/01	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	108	%	1.0		
TOLUENE-D8	106	%	1.0		
P-BROMOFLUOROBENZENE	95	%	1.0		
1,2-DICHLOROETHANE-D4	113	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1361-11
SDG: BN18S1SP1
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 4/30/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S1-QD001	AQ	4/24/01	4/26/01	4/30/01	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	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: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1361-11
SDG: BN18S1SP1
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 4/30/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S1-QD001	AQ	4/24/01	4/26/01	4/30/01	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	94	%	1 0		
TOLUENE-D8	101	%	1 0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	97	%	1.0		

Report Notes: J

Appendix D.3

Leachate Station Seep Sample

APPENDIX D.3

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

Sample Designation	Sample Station
LT-901 (Seep) Samples	
BN-17-S9-LT901	LT-901
Trip Blank	
BN-3-S2-QT003	Trip Blank
BN-18EP-QT004	Trip Blank
BN-18-S9-QT005	Trip Blank
Equipment Rinsate Blank	
BN-18-S9-QS001SW	Rinsate Blank
Source Water Blank	
BN-18-S1-QD001	Source Water

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

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	(207) 798-4636

Address: 175 Middlesex Turnpike City: Bedford State: Zip Code:

Purchase Order #: Proj. Name / No.: EU+18/Site9 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): Copies To:

LAB USE ONLY WORK ORDER # WR1499 -

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)	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-18-S9-LT901	5-2-01 / 1545	W	9	X			MS/MSD						
✓	BN-18-S9-SW10	5-2-01 / 1445	W	3	X									
✓	BN-18-S9-SWRD1	5-2-01 / 1445	W	3	X									
✓	BN-18-S9-QS001SW	5-2-01 / 1410	W	3	X									
✓	BN-18-S9-QS002SD	5-2-01 / 1415	W	3	X									
		/												
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Eugene Chase	5/3 01 1500	[signature]	[signature]	5/3 1530	[signature]
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 0000006

KAS-COC1 (R.0900)

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 PRINT IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	( )

Address | City | State | Zip Code

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To:

LAB USE ONLY WORK ORDER # WR1500

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	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-18-EP-DS229A	5-2 / 1200	W	3	X										
✓	BN18-EP-DSYD4	5-2 / —	W	3	X										
✓	BN 18-EP-DS224	5-2 / 1400	W	9	X		MS	/	MSD						
✓	BN-18-EP-DS306	5-2 / 1425	W	3	X										
✓	BN-18-EP-DSQS1	5-2 / 1600	W	3	X										
✓	BN-18-EP ~~DS~~QT005	5-3-01 / 1300	W	3	X										
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		/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	5-3-01 1500	James H. Post	James H. Post	5/3 500	Shelly Well
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

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Page ____ of ____

Client: EA

Contact: Sue Chase

Phone #: ( ) 798-5977

Fax #: ( )

Address: City: State: Zip Code:

Purchase Order #: Proj. Name / No.: Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): Copies To.

LAB USE ONLY

WORK ORDER #: WR1361

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)	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-18-S1-SP1	4-26-01/ 1430	W	4	X	X								
	~~BN-18-S1-SP3~~	~~4-26-01/~~						DRY	(NO	SAMPLE)				
✓	BN-18-S1-SP4	4-26-01/ 1440	W	4	X	X								
✓	BN-18-S1-SP5	4-26-01/ 1510	W	4	X	X								
✓	BN-18-S1-SP9	4-26-01/ 1500	W	4	X	X								
✓	BN-18-S1-SPYD1	4-26-01/ -	W	4	X	X								
✓	BN-18-S1-SW4	4-26-01/ 1415	W	4	X	X								
✓	BN-18-S1-SW7	4-26-01/ 1400	W	4	X	X								
✓	BN-18-S1-SW8	4-26-01/ 1340	W	4	X	X								
✓	BN-18-S1-SW9	4-26-01/ 1320	W	11	X	X			MS/MSD					
✓	BN-18-S1-QS001SW	4-24-01/ 1540	W	4	X	X								
✓	BN-18-S1-QS002SD	4-24-01/ 1550	W	4	X	X								
✓	BN-18-S1-QD001	4-24-01/ 1530	W	4	X	X								
✓	BN-18-S1-SWXD1	4-26-01/ -	W	4	X	X								
		/												
		/												

COMMENTS Begins + Ends SDG BN18-S1SP1

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	4-26-01 1500	[signature]		04-26-01 1655	Shelly Ill
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC ☎ (207) 782-3311
FORM # CHN-OF-CSTDY

ORIGINAL

CCCCCC8

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 PRINT IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA Engineering	Sue Chase	(207) 778-5977	(207) 778-4656

Address | City | State | Zip Code

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To

LAB USE ONLY | WORK ORDER #: WR1384

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)	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-3-S2-MW103	4-27-01/ 1150	W	4	X	X								
	BN-3-S2-MW104	4-27-01/ 1010	W	4	X	X								
	BN-3-S2-MW241	4-27-01/ 1340	W	11	X	X			MS/MSD					
	BN-3-S2-MW242	4-27-01/ 1235	W	4	X	X								
	BN-3-S2-MW243	4-27-01/ 1110	W	4	X	X								
	BN-3-S2-MWXD1	4-27-01/ —	W	4	X	X								
	BN-3-S2-QT003	4-27-01/ 1430	W	3	X									
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COMMENTS Begins + Ends SOG

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Anderson	4/27/01 1635	Andrea Cady			
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: WR1499-1
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-LT901	AQ	5/2/01	5/3/01	5/8/01	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	<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: WR1499-1
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-LT901	AQ	5/2/01	5/3/01	5/8/01	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	110	%	1.0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	95	%	1.0		
1,2-DICHLOROETHANE-D4	116	%	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: WR1384-7
SDG: WR1384
Report Date: 5/22/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-3-S2-QT003	AQ	4/27/01	4/27/01	5/3/01	KMC	5030	KMC

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: WR1384-7
SDG: WR1384
Report Date: 5/22/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-3-S2-QT003	AQ	4/27/01	4/27/01	5/3/01	KMC	5030	KMC

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	94	%	1.0		
P-BROMOFLUOROBENZENE	78	%	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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	J0.7	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-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: 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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	98	%	1.0		
1,2-DICHLOROETHANE-D4	109	%	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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	106	%	1 0		
TOLUENE-D8	104	%	1 0		
P-BROMOFLUOROBENZENE	92	%	1.0		
1,2-DICHLOROETHANE-D4	111	%	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: WR1499-4
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QS001SW	AQ	5/2/01	5/3/01	5/8/01	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	<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: WR1499-4
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QS001SW	AQ	5/2/01	5/3/01	5/8/01	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	108	%	1.0		
TOLUENE-D8	106	%	1 0		
P-BROMOFLUOROBENZENE	95	%	1 0		
1,2-DICHLOROETHANE-D4	113	%	1 0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1361-11
SDG: BN18S1SP1
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 4/30/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S1-QD001	AQ	4/24/01	4/26/01	4/30/01	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	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: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1361-11
SDG: BN18S1SP1
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 4/30/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S1-QD001	AQ	4/24/01	4/26/01	4/30/01	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	94	%	1 0		
TOLUENE-D8	101	%	1 0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	97	%	1.0		

Report Notes: J

Appendix D.4

Sediment Samples

APPENDIX D.4

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

Sample Designation	Sample Station
Sediment Samples	
BN-18-S9-SD010	SED-010
BN-18-S9-SDX1	SED-010 – Duplicate
Trip Blank	
BN-3-S2-QT003	Trip Blank
BN-18EP-QT004	Trip Blank
BN-18-EP-QT005	Trip Blank
Equipment Rinsate Blank	
BN-18-S9-QS002SD	Rinse blank
Source Water Blank	
BN-18-S1-QD001	Source Water

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

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	( )

Address	City	State	Zip Code

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To:

LAB USE ONLY WORK ORDER # WR1497 -

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 Sodium bisulfate (Filt. ☐Y☐N)	VOC (Filt. ☐Y☐N)	O/G Solid (Filt. ☐Y☐N)	(Filt. ☐Y☐N)	(Filt. ☐Y☐N)	(Filt. ☐Y☐N)	(Filt. ☐Y☐N)	(Filt. ☐Y☐N)	(Filt. ☐Y☐N)	(Filt. ☐Y☐N)
	SD-	/												
✓	BN-8-S9-SD010	5-2-01 / 1500	SED.	13	X	X	X			MS/MSD				
✓	BN-18-S9-SDXD1	5-2-01 / 1500	SED.	5	X	X	X							
		/												
		/												
		/												
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		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Lyonne Chase	5-3-01 1500	Jim Post	Jim Post	5/3 / 5:26 pm	Shelly Hill
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.

KAS-COC1 (R.0900)

ORIGINAL

0000006

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

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	(207) 798-4[illegible]

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

Purchase Order #: | Proj. Name / No.: EU+18/Site9 | Katahdin Quote #:

Bill (if different than above): | Address:

Sampler (Print / Sign): | Copies To:

LAB USE ONLY WORK ORDER # WR1499

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	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-18-S9-LT901	5-2-01 / 1545	W	9	X			MS/MSD							
✓	BN-18-S9-SW10	5-2-01 / 1445	W	3	X										
✓	BN-18-S9-SWRD1	5-2-01 / 1445	W	3	X										
✓	BN-18-S9-QS001SW	5-2-01 / 1410	W	3	X										
✓	BN-18-S9-QS002SD	5-2-01 / 1415	W	3	X										
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Lyne Chase	5301500	[illegible]	[illegible]	5/3 0930	Shelby [illegible]
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.

ORIGINAL 0000006

KAS-COC1 (R 0900)

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 PRINT IN PEN

Page ____ of ____

Client: EA Engineering
Contact: Sue Chase
Phone #: (207) 798-5977
Fax #: (207) 798 4636
Address
City
State
Zip Code
Purchase Order #
Proj. Name / No.
Katahdin Quote #
Bill (if different than above)
Address
Sampler (Print / Sign)
Copies To

LAB USE ONLY
WORK ORDER #: WR1384
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	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	Filt. ☐Y☐N
	BN-3-52-MW103	4-27-01/ 1150	W	4	X	X										
	BN-3-52-MW104	4-27-01/ 1010	W	4	X	X										
	BN-3-52-MW241	4-27-01/ 1340	W	11	X	X			MS/MSD							
	BN-3-52-MW242	4-27-01/ 1235	W	4	X	X										
	BN-3-52-MW243	4-27-01/ 1110	W	4	X	X										
	BN-3-52-MW101	4-27-01/ —	W	4	X	X										
	BN-3-52-QT003	4-27-01/ 1430	W	3	X											
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COMMENTS: Begins + Ends SOG

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[illegible]	4/27/01 1635	[illegible]			
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 PRINT IN PEN

Page ____ of ____

Client: EA

Contact: Sue Chase

Phone #: ( ) 798-5977

Fax #: ( )

Address: | City: | State: | Zip Code:

Purchase Order #: | Proj. Name / No.: | Katahdin Quote #:

Bill (if different than above): | Address:

Sampler (Print / Sign): | Copies To.

LAB USE ONLY

WORK ORDER #: WR1361

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	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	Filt. ☐Y☐N
✓	BN-18-S1-SP1	4-26-01/ 1430	W	4	X	X										
	~~BN-18-S1-SP3~~	~~4-26-01/~~								DRY	(NO	SAMPLE)				
✓	BN-18-S1-SP4	4-26-01/ 1440	W	4	X	X										
✓	BN-18-S1-SP5	4-26-01/ 1510	W	4	X	X										
✓	BN-18-S1-SP9	4-26-01/ 1500	W	4	X	X										
✓	BN-18-S1-SPYD1	4-26-01/ -	W	4	X	X										
✓	BN-18-S1-SW4	4-26-01/ 1415	W	4	X	X										
✓	BN-18-S1-SW7	4-26-01/ 1400	W	4	X	X										
✓	BN-18-S1-SW8	4-26-01/ 1340	W	4	X	X										
✓	BN-18-S1-SW9	4-26-01/ 1320	W	11	X	X					MS/MSD					
✓	BN-18-S1-QS001SW	4-24-01/ 1540	W	4	X	X										
✓	BN-18-S1-QS002SD	4-24-01/ 1550	W	4	X	X										
✓	BN-18-S1-QD001	4-24-01/ 1530	W	4	X	X										
✓	BN-18-S1-SWXD1	4-26-01/ -	W	4	X	X										
		/														
		/														

COMMENTS Begins + Ends SDG BN18-S1SP1

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Sue Chase	4-26-01 1500	[illegible]		04-26-01 1655	Shelby Hill
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 PRINT IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5577	( )

Address | City | State | Zip Code

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To:

LAB USE ONLY WORK ORDER #: WR1500

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	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-18-EP-DS221A	5-2 / 1200	W	3	X										
✓	BN18-EP-DSVD4	5-2 / —	W	3	X										
✓	BN-18-EP-DS224	5-2 / 1400	W	9	X		MS	/	MSD						
	BN-18-EP-DS306	5-2 / 1425	W	3	X										
✓	BN-18-EP-DSGS1	5-2 / 1600	W	3	X										
✓	BN-18-EP DSQTOS	5-3-01 / 1300	W	3	X										
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	5-3-01 1500	James H. Post	James H. Post	5/3 500	Shelly Well
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC ☎ (207) 782-3311
FORM # CHN-OF-CSTDY

ORIGINAL 0000006

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NAS BRUNSWICK

Lab Number: WR1497-1
SDG: WR1497
Report Date: 5/30/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: 76
Method: EPA 8260
Date Analyzed: 5/4/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SD010	SL	5/2/01	5/3/01	5/4/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2	ug/Kg	1.2	2	2.0
BROMOMETHANE	<2	ug/Kg	1.2	2	2.0
VINYL CHLORIDE	<2	ug/Kg	1.2	2	2.0
CHLOROETHANE	<2	ug/Kg	1.2	2	2.0
METHYLENE CHLORIDE	4	ug/Kg	1.2	1	1.0
ACETONE	30	ug/Kg	1.2	6	5
CARBON DISULFIDE	<1	ug/Kg	1.2	1	1.0
1,1-DICHLOROETHENE	<1	ug/Kg	1.2	1	1.0
1,1-DICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
OTAL 1,2-DICHLOROETHENE	6	ug/Kg	1.2	1	1.0
HLOROFORM	<1	ug/Kg	1.2	1	1.0
1,2-DICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
2-BUTANONE	<6	ug/Kg	1.2	6	5
1,1,1-TRICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
CARBON TETRACHLORIDE	<1	ug/Kg	1.2	1	1.0
BROMODICHLOROMETHANE	<1	ug/Kg	1.2	1	1.0
1,2-DICHLOROPROPANE	<1	ug/Kg	1.2	1	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.2	1	1.0
TRICHLOROETHENE	<1	ug/Kg	1.2	1	1.0
DIBROMOCHLOROMETHANE	<1	ug/Kg	1.2	1	1 0
1,1,2-TRICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
BENZENE	<6	ug/Kg	1.2	6	5.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.2	1	1.0
BROMOFORM	<1	ug/Kg	1.2	1	1.0
4-METHYL-2-PENTANONE	<4	ug/Kg	1.2	4	3
2-HEXANONE	<5	ug/Kg	1.2	5	4
TETRACHLOROETHENE	<1	ug/Kg	1.2	1	1 0
1,1,2,2-TETRACHLOROETHANE	<1	ug/Kg	1.2	1	1.0
TOLUENE	<6	ug/Kg	1.2	6	5.0
CHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
ETHYLBENZENE	<6	ug/Kg	1.2	6	5.0
STYRENE	<1	ug/Kg	1 2	1	1.0
TOTAL XYLENES	<6	ug/Kg	1.2	6	5.0

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: WR1497-1
SDG: WR1497
Report Date: 5/30/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: 76
Method: EPA 8260
Date Analyzed: 5/4/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SD010	SL	5/2/01	5/3/01	5/4/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
1,3-DICHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
1,4-DICHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
DIBROMOFLUOROMETHANE	93	%	1.2		
TOLUENE-D8	86	%	1.2		
P-BROMOFLUOROBENZENE	64	%	1.2		
1,2-DICHLOROETHANE-D4	94	%	1.2		

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: WR1497-2
SDG: WR1497
Report Date: 5/30/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: 71
Method: EPA 8260
Date Analyzed: 5/4/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SDXD1	SL	5/2/01	5/3/01	5/4/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2	ug/Kg	1.2	2	2.0
BROMOMETHANE	<2	ug/Kg	1.2	2	2.0
VINYL CHLORIDE	3	ug/Kg	1.2	2	2.0
CHLOROETHANE	<2	ug/Kg	1.2	2	2.0
METHYLENE CHLORIDE	3	ug/Kg	1.2	1	1.0
ACETONE	<6	ug/Kg	1.2	6	5
CARBON DISULFIDE	4	ug/Kg	1.2	1	1.0
1,1-DICHLOROETHENE	<1	ug/Kg	1.2	1	1.0
1,1-DICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
TOTAL 1,2-DICHLOROETHENE	4	ug/Kg	1.2	1	1.0
CHLOROFORM	<1	ug/Kg	1.2	1	1.0
1,2-DICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
2-BUTANONE	<6	ug/Kg	1.2	6	5
1,1,1-TRICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
CARBON TETRACHLORIDE	<1	ug/Kg	1.2	1	1.0
BROMODICHLOROMETHANE	<1	ug/Kg	1.2	1	1.0
1,2-DICHLOROPROPANE	<1	ug/Kg	1.2	1	1.0
CIS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.2	1	1.0
TRICHLOROETHENE	<1	ug/Kg	1.2	1	1.0
DIBROMOCHLOROMETHANE	<1	ug/Kg	1.2	1	1.0
1,1,2-TRICHLOROETHANE	<1	ug/Kg	1.2	1	1.0
BENZENE	<6	ug/Kg	1.2	6	5.0
TRANS-1,3-DICHLOROPROPENE	<1	ug/Kg	1.2	1	1.0
BROMOFORM	<1	ug/Kg	1.2	1	1.0
4-METHYL-2-PENTANONE	<4	ug/Kg	1.2	4	3
2-HEXANONE	<5	ug/Kg	1.2	5	4
TETRACHLOROETHENE	<1	ug/Kg	1.2	1	1.0
1,1,2,2-TETRACHLOROETHANE	<1	ug/Kg	1.2	1	1 0
TOLUENE	<6	ug/Kg	1.2	6	5.0
CHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
ETHYLBENZENE	<6	ug/Kg	1.2	6	5.0
STYRENE	<1	ug/Kg	1.2	1	1.0
TOTAL XYLENES	<6	ug/Kg	1.2	6	5.0

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: WR1497-2
SDG: WR1497
Report Date: 5/30/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: 71
Method: EPA 8260
Date Analyzed: 5/4/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-SDXD1	SL	5/2/01	5/3/01	5/4/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
1,2-DICHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
1,3-DICHLOROBENZENE	<1	ug/Kg	1.2	1	1.0
1,4-DICHLOROBENZENE	<1	ug/Kg	1 2	1	1.0
DIBROMOFLUOROMETHANE	95	%	1.2		
TOLUENE-D8	88	%	1.2		
P-BROMOFLUOROBENZENE	78	%	1.2		
1,2-DICHLOROETHANE-D4	98	%	1.2		

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: WR1384-7
SDG: WR1384
Report Date: 5/22/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-3-S2-QT003	AQ	4/27/01	4/27/01	5/3/01	KMC	5030	KMC

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: WR1384-7
SDG: WR1384
Report Date: 5/22/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-3-S2-QT003	AQ	4/27/01	4/27/01	5/3/01	KMC	5030	KMC

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	94	%	1.0		
P-BROMOFLUOROBENZENE	78	%	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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	J0.7	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

port 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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	98	%	1.0		
1,2-DICHLOROETHANE-D4	109	%	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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	106	%	1.0		
TOLUENE-D8	104	%	1.0		
P-BROMOFLUOROBENZENE	92	%	1.0		
1,2-DICHLOROETHANE-D4	111	%	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: WR1499-5
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QS002SD	AQ	5/2/01	5/3/01	5/8/01	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	<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: WR1499-5
SDG: WR1499
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QS002SD	AQ	5/2/01	5/3/01	5/8/01	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	107	%	1.0		
TOLUENE-D8	106	%	1.0		
P-BROMOFLUOROBENZENE	92	%	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: NASB

Lab Number: WR1361-11
SDG: BN18S1SP1
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 4/30/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S1-QD001	AQ	4/24/01	4/26/01	4/30/01	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	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: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1361-11
SDG: BN18S1SP1
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 4/30/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S1-QD001	AQ	4/24/01	4/26/01	4/30/01	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	94	%	1 0		
TOLUENE-D8	101	%	1 0		
P-BROMOFLUOROBENZENE	90	%	1.0		
1,2-DICHLOROETHANE-D4	97	%	1.0		

Report Notes: J

Appendix D.5

Diffusion Samples

APPENDIX D.5

SAMPLE KEY – EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK

Sample Designation	Sample Station
Diffusion Samples	
BN-18-S9-DS69S	MW-NASB-69
BN-18-S9-DSXD1S	MW-NASB-69-Duplicate
BN-18-S9-DS69M	MW-NASB-69
BN-18-S9-DSXD1M	MW-NASB-69-Duplicate
BN-18-S9-DS69D	MW-NASB-69
BN-18-S9-DSXD1D	MW-NASB-69-Duplicate
BN-18-S9-DS71S	MW-NASB-71
BN-18-S9-DS71M	MW-NASB-71
BN-18-S9-DS71D	MW-NASB-71
BN-18-S9-DS72S	MW-NASB-72
BN-18-S9-DS72D	MW-NASB-72
BN-18-S9-DS74S	MW-NASB-74
BN-18-S9-DS74M	MW-NASB-74
BN-18-S9-DS74D	MW-NASB-74
BN-18-S9-DS75S	MW-NASB-75
BN-18-S9-DS75M	MW-NASB-75
BN-18-S9-DS75D	MW-NASB-75
BN-18-S9-DS76S	MW-NASB-76
BN-18-S9-DS76M	MW-NASB-76
BN-18-S9-DS76D	MW-NASB-76
BN-18-S9-DS21S	MW-NASB-21
BN-18-S9-DS21D	MW-NASB-21
BN-18-S9-DS22S	MW-NASB-22
BN-18-S9-DS22M	MW-NASB-22
BN-18-S9-DS22D	MW-NASB-22
BN-18-S9-DS227S	MW-NASB-227
BN-18-S9-DS227M	MW-NASB-227
BN-18-S9-DS227D	MW-NASB-227
Trip Blank	
BN-18-S9-QT002	Trip Blank
BN-18-EP-QT004	Trip Blank
BN-18-EP-QT005	Trip Blank
Field Blank	
BN-18-EP-DSQS1	Field Blank
Source Water Blank	
BN-18-EP-DSQD1	Source Water Blank

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

CHAIN of CUSTODY

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Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798 5977	( )

Address	City	State	Zip Code

Purchase Order #	Proj. Name / No	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To.

LAB USE ONLY WORK ORDER #: WR1365

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	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-18-S9-DS69S	4-25-01/1400	W	3	X										
✓	BN-18-S9-DS69M	4-25-01/1405	W	3	X										
✓	BN-18-S9-DS69D	4-25-01/1410	W	3	X										
✓	BN-18-S9-DS71S	4-26-01/1305	W	9	X						MS/MSD				
✓	BN-18-S9-DS71M	4-26-01/1310	W	3	X										
✓	BN-18-S9-DS71D	4-26-01/1315	W	3	X										
✓	BN-18-S9-DS72S	4-26-01/1035	W	3	X										
–	~~BN-18-S9-DS72M~~	~~4-26-01/1040~~	~~W~~	~~3~~	~~X~~	no sample									
✓	BN-18-S9-DS72D	4-26-01/1045	W	3	X										
✓	BN-18-S9-DS74S	4-26-01/950	W	3	X										
✓	BN-18-S9-DS74M	4-26-01/955	W	3	X										
✓	BN-18-S9-DS74D	4-26-01/1000	W	3	X										
✓	BN-18-S9-DS75S	4-26-01/900	W	3	X										
✓	BN-18-S9-DS75M	4-26-01/905	W	3	X										
✓	BN-18-S9-DS75D	4-26-01/910	W	3	X										
✓	BN-18-S9-DS76S	4-26-01/1100	W												

COMMENTS SDG# BN-18-S9-DS69S not complete

Relinquished By. (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	4-26-01 1500	[signature]		04-26-01 1655	[signature]
Relinquished By (Signature)	**Date / Time**	**Received By (Signature)**	**Relinquished By. (Signature)**	**Date / Time**	**Received By. (Signature)**

FORMSOURCE INC ☎ (877) 782-3311

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KAS-COC1 (R 0900)

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 # ( )
Address	City	State	Zip Code
Purchase Order #	Proj. Name / No.		Katahdin Quote #
Bill (if different than above)	Address		
Sampler (Print / Sign)			Copies To:

LAB USE ONLY WORK ORDER #: _ *

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	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-18-59-D576M	4-26-01/ 1105	W	3	+									
✓	BN-18-59-D576D	4-26-01/ 1110	W	3	+									
✓	BN-18-59-D5XD1S	4-25-01/ —	W	3	+									
✓	BN-18-59-D5XD1M	4-25-01/ —	W	3	+									
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COMMENTS Ends SDG # BN-18-59-D569S

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Seyone Chase	4-26-01 1500	[illegible]		04-26-01 1655	Shelly [illegible]
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.

ORIGINAL

KAS-COC1 (R 0900)

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	Sue Chase	(207) 798-5977	( )

Address	City	State	Zip Code

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To:

LAB USE ONLY WORK ORDER # WR1363

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	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-18-S9-DSXD1D	4-25-01/ —	W	3	X										
✓	BN-18-S9-DS~~20~~21S	4-25-01/1235	W	3	X										
-	~~BN-18-S9-DS~~21~~20M~~	~~4-25-01~~	~~W~~	~~3~~	~~X~~	not	collected								
✓	BN-18-S9-DS~~20~~21D	4-25-01/1240	W	3	X										
✓	BN-18-S9-DS225	4-25-01/1020	W	3	X										
✓	BN-18-S9-DS22M	4-25-01/1025	W	3	X										
✓	BN-18-S9-DS22D	4-25-01/1030	W	3	X										
✓	BN-18-S9-~~227~~DS227S	4-25-01/855	W	9	X							MS/MSD			
✓	BN-18-S9-DS227M	4-25-01/900	W	3	X										
✓	BN-18-S9-DS227D	4-25-01/905	W	3	X										
	BN-18-S9-QT002	4-26-01/1500	W	3	X										
		/													
		/													
		/													
		/													
		/													

COMMENTS Begins + Ends SDG BN-18-S9-DSXD1D

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	4-26-01 1500	[signature]		04-26-01 1655	Shelly [signature]
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.

KAS-COC1 (R 0900)

ORIGINAL

0000007

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 PRINT IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	( )

Address	City	State	Zip Code

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To:

LAB USE ONLY WORK ORDER #: WR1500

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	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-18-EP-DS229A	5-2 / 1200	W	3	X										
✓	BN18-EP-DSVD4	5-2 / —	W	3	X										
✓	BN-18-EP-DS224	5-2 / 1400	W	9	X			MS	MSD						
✓	BN-18-EP-DS306	5-2 / 1425	W	3	X										
✓	BN-18-EP-DSQ51	5-2 / 1600	W	3	X										
✓	BN-18-EP ~~DS~~QT005	5-3-01 / 1300	W	3	X										
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		/													
		/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	5-3-01 1500	James H. Post	James H. Post	5/3 500	Shelly Well
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC ☎ (207) 782-3311
FORM # CHN-OF-CSTDY

ORIGINAL 0000006

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

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	( )

[redacted]ss	City	State	Zip Code

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To.

LAB USE ONLY WORK ORDER #: WR1437

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	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-18-EP DS311	5-1-01/915	W	3	X										
✓	BN-18-EP- DSYD6	5-1-01/—	W	3	X										
✓	BN-18-EP DS332	5-1-01/925	W	3	X										
✓	BN-18-EP DSYD1	5-1-01/—	W	3	X										
✓	[redacted]-18-EP MW207A	5-1-01/1055	W	3	X										
✓	BN-18-EP DS331	5-1-01/1100	W	3	X										
✓	BN-18-EP DS319	5-1-01/1120	W	3	X										
✓	BN-18-EP -QT004	5-1-01/1500	W	3	X										
✓	BN-18-EP -DSQD1	5-1-01/1200	W	3	X										
✓	BN-18-EP DS1104S	5-1-01/1310	W	3	X										
✓	BN-18-EP DS1104M	5-1-01/1320	W	3	X										
✓	BN-18-EP DS1104D	5-1-01/1325	W	3	X										
✓	BN-18-EP MW1104	5-1-01/1430	W	9	X			MS/MSD							
	~~BN-18-EP~~	/	W		X										
	~~BN-18-EP~~	/	W		X										
	~~BN-18-EP~~	/	W		X										

COMMENTS Begins SDG BN-18-EP-DS311

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[redacted]ne Chase	5-1-01 1530	[signature]			mmeterais 5/1/01 1715
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 0000007

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 PRINT IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
EA	Sue Chase	(207) 798-5977	( )

Address | City | State | Zip Code

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To:

LAB USE ONLY

WORK ORDER #: WR1501 -

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	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-18-EP. DS313S	5-2 /915	W	3	X										
✓	BN-18-EP. DS313M	5-2 /920	W	3	X										
✓	BN-18-EP DS313D	5-2 /925	W	3	X										
✓	BN-18-EP. MW313	5-2 /1025	W	3	X										
✓	BN-18-EP DS333S	5-2 / 1030	W	3	X										
✓	BN-18-EP DS333M	5-2 / 1040	W	3	X										
✓	BN-18-EP DS333D	5-2 / 1045	W	3	X										
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COMMENTS EnDS SDG BN-18-EP-DS311

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Suzanne Chase	5-3-01 1500	[signature]	[signature]	5/3 5:00 PM	Shelby Well
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: NASB

Lab Number: WR1363-2
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS21S	AQ	4/25/01	4/26/01	5/2/01	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	B13	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: NASB

Lab Number: WR1363-2
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS21S	AQ	4/25/01	4/26/01	5/2/01	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	97	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	88	%	1.0		
1,2-DICHLOROETHANE-D4	102	%	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: NASB

Lab Number: WR1363-3
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS21D	AQ	4/25/01	4/26/01	5/1/01	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	B13	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: NASB

Lab Number: WR1363-3
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS21D	AQ	4/25/01	4/26/01	5/1/01	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	101	%	1.0		
P-BROMOFLUOROBENZENE	93	%	1.0		
1,2-DICHLOROETHANE-D4	103	%	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: NASB

Lab Number: WR1363-4
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS22S	AQ	4/25/01	4/26/01	5/1/01	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	B17	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: NASB

Lab Number: WR1363-4
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS22S	AQ	4/25/01	4/26/01	5/1/01	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	106	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	97	%	1.0		
1,2-DICHLOROETHANE-D4	110	%	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: NASB

Lab Number: WR1363-5
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS22M	AQ	4/25/01	4/26/01	5/1/01	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	B16	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: NASB

Lab Number: WR1363-5
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS22M	AQ	4/25/01	4/26/01	5/1/01	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	102	%	1.0		
P-BROMOFLUOROBENZENE	95	%	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: NASB

Lab Number: WR1363-6
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS22D	AQ	4/25/01	4/26/01	5/1/01	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	B15	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: NASB

Lab Number: WR1363-6
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS22D	AQ	4/25/01	4/26/01	5/1/01	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	100	%	1.0		
P-BROMOFLUOROBENZENE	95	%	1.0		
1,2-DICHLOROETHANE-D4	110	%	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: NASB

Lab Number: WR1365-1
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS69S	AQ	4/25/01	4/26/01	5/2/01	KMC	5030	KMC

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	30	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	B12	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	36	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	**Lab Number:**	WR1365-1
	EA Engineering	**SDG:**	BN18S9DS69S
	3 Washington Center	**Report Date:**	5/21/01
		PO No. :	29600.47
	Newburgh, NY 12550	**Project:**	LTMP EVENT 18
Proj. ID:	NASB	**% Solids:**	N/A
		Method:	EPA 8260
		Date Analyzed:	5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS69S	AQ	4/25/01	4/26/01	5/2/01	KMC	5030	KMC

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	88	%	1.0		
1,2-DICHLOROETHANE-D4	99	%	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: NASB

Lab Number: WR1365-17
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DSXD1S	AQ	4/25/01	4/26/01	5/3/01	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	15	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	14	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	29	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 A0000034

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-17
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DSXD1S	AQ	4/25/01	4/26/01	5/3/01	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	100	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	88	%	1.0		
1,2-DICHLOROETHANE-D4	108	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-2
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS69M	AQ	4/25/01	4/26/01	5/2/01	KMC	5030	KMC

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	50	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	B14	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	67	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: NASB

Lab Number: WR1365-2
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS69M	AQ	4/25/01	4/26/01	5/2/01	KMC	5030	KMC

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	102	%	1.0		
P-BROMOFLUOROBENZENE	86	%	1.0		
1,2-DICHLOROETHANE-D4	108	%	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: NASB

Lab Number: WR1365-18
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DSXD1M	AQ	4/25/01	4/26/01	5/3/01	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	43	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	14	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	58	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: NASB

Lab Number: WR1365-18
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DSXD1M	AQ	4/25/01	4/26/01	5/3/01	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	84	%	1.0		
1,2-DICHLOROETHANE-D4	105	%	1 0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-3
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS69D	AQ	4/25/01	4/26/01	5/2/01	KMC	5030	KMC

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	61	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	B14	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	52	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: NASB

Lab Number: WR1365-3
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS69D	AQ	4/25/01	4/26/01	5/2/01	KMC	5030	KMC

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	84	%	1.0		
1,2-DICHLOROETHANE-D4	97	%	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: NASB

Lab Number: WR1363-1
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DSXD1D	AQ	4/25/01	4/26/01	5/2/01	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	66	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	B16	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	57	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: NASB

Lab Number: WR1363-1
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DSXD1D	AQ	4/25/01	4/26/01	5/2/01	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	115	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	89	%	1.0		
1,2-DICHLOROETHANE-D4	112	%	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: NASB

Lab Number: WR1365-19
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS71S	AQ	4/26/01	4/26/01	5/3/01	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	15	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: NASB

Lab Number: WR1365-19
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS71S	AQ	4/26/01	4/26/01	5/3/01	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	104	%	1.0		
P-BROMOFLUOROBENZENE	89	%	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: NASB

Lab Number: WR1365-4
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS71M	AQ	4/26/01	4/26/01	5/2/01	KMC	5030	KMC

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	B12	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: NASB

Lab Number: WR1365-4
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS71M	AQ	4/26/01	4/26/01	5/2/01	KMC	5030	KMC

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	85	%	1.0		
1,2-DICHLOROETHANE-D4	102	%	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: NASB

Lab Number: WR1365-5
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS71D	AQ	4/26/01	4/26/01	5/2/01	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	13	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: NASB

Lab Number: WR1365-5
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS71D	AQ	4/26/01	4/26/01	5/2/01	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	95	%	1.0		
TOLUENE-D8	93	%	1.0		
P-BROMOFLUOROBENZENE	80	%	1.0		
1,2-DICHLOROETHANE-D4	100	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-6
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS72S	AQ	4/26/01	4/26/01	5/2/01	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	10	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: NASB

Lab Number: WR1365-6
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS72S	AQ	4/26/01	4/26/01	5/2/01	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	95	%	1.0		
TOLUENE-D8	92	%	1 0		
P-BROMOFLUOROBENZENE	79	%	1.0		
1,2-DICHLOROETHANE-D4	100	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-7
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS72D	AQ	4/26/01	4/26/01	5/2/01	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	9	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: NASB

Lab Number: WR1365-7
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS72D	AQ	4/26/01	4/26/01	5/2/01	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	99	%	1 0		
P-BROMOFLUOROBENZENE	84	%	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: NASB

Lab Number: WR1365-8
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS74S	AQ	4/26/01	4/26/01	5/2/01	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	14	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: NASB

Lab Number: WR1365-8
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS74S	AQ	4/26/01	4/26/01	5/2/01	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	99	%	1.0		
TOLUENE-D8	93	%	1.0		
P-BROMOFLUOROBENZENE	78	%	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: NASB

Lab Number: WR1365-9
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS74M	AQ	4/26/01	4/26/01	5/2/01	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	16	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: NASB

Lab Number: WR1365-9
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS74M	AQ	4/26/01	4/26/01	5/2/01	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	99	%	1.0		
TOLUENE-D8	91	%	1 0		
P-BROMOFLUOROBENZENE	78	%	1.0		
1,2-DICHLOROETHANE-D4	104	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-10
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS74D	AQ	4/26/01	4/26/01	5/2/01	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	16	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: NASB

Lab Number: WR1365-10
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS74D	AQ	4/26/01	4/26/01	5/2/01	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	99	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	87	%	1 0		
1,2-DICHLOROETHANE-D4	97	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineenng
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-11
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS75S	AQ	4/26/01	4/26/01	5/2/01	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	13	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: NASB

Lab Number: WR1365-11
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS75S	AQ	4/26/01	4/26/01	5/2/01	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	97	%	1 0		
TOLUENE-D8	104	%	1 0		
P-BROMOFLUOROBENZENE	87	%	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: NASB

Lab Number: WR1365-12
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS75M	AQ	4/26/01	4/26/01	5/2/01	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	15	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: NASB

Lab Number: WR1365-12
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS75M	AQ	4/26/01	4/26/01	5/2/01	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	110	%	1.0		
TOLUENE-D8	104	%	1 0		
P-BROMOFLUOROBENZENE	89	%	1 0		
1,2-DICHLOROETHANE-D4	107	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-13
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS75D	AQ	4/26/01	4/26/01	5/2/01	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	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	<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: NASB

Lab Number: WR1365-13
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS75D	AQ	4/26/01	4/26/01	5/2/01	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	110	%	1.0		
TOLUENE-D8	103	%	1 0		
P-BROMOFLUOROBENZENE	87	%	1 0		
1,2-DICHLOROETHANE-D4	109	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-14
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS76S	AQ	4/26/01	4/26/01	5/2/01	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	13	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: NASB

Lab Number: WR1365-14
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS76S	AQ	4/26/01	4/26/01	5/2/01	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	99	%	1.0		
TOLUENE-D8	103	%	1 0		
P-BROMOFLUOROBENZENE	87	%	1 0		
1,2-DICHLOROETHANE-D4	105	%	1 0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-15
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS76M	AQ	4/26/01	4/26/01	5/2/01	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	13	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: NASB

Lab Number: WR1365-15
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS76M	AQ	4/26/01	4/26/01	5/2/01	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	100	%	1.0		
TOLUENE-D8	103	%	1 0		
P-BROMOFLUOROBENZENE	87	%	1 0		
1,2-DICHLOROETHANE-D4	106	%	1.0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1365-16
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS76D	AQ	4/26/01	4/26/01	5/2/01	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	13	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: NASB

Lab Number: WR1365-16
SDG: BN18S9DS69S
Report Date: 5/21/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/2/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS76D	AQ	4/26/01	4/26/01	5/2/01	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	100	%	1 0		
TOLUENE-D8	102	%	1 0		
P-BROMOFLUOROBENZENE	88	%	1 0		
1,2-DICHLOROETHANE-D4	108	%	1 0		

Report Notes:

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1363-10
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS227S	AQ	4/25/01	4/26/01	5/1/01	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	B15	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	4	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	J0.9	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: NASB

Lab Number: WR1363-10
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS227S	AQ	4/25/01	4/26/01	5/1/01	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	101	%	1.0		
P-BROMOFLUOROBENZENE	96	%	1.0		
1,2-DICHLOROETHANE-D4	109	%	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: NASB

Lab Number: WR1363-7
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS227M	AQ	4/25/01	4/26/01	5/1/01	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	B15	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	2	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: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1363-7
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS227M	AQ	4/25/01	4/26/01	5/1/01	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	101	%	1 0		
P-BROMOFLUOROBENZENE	92	%	1 0		
1,2-DICHLOROETHANE-D4	108	%	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: NASB

Lab Number: WR1363-8
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600 47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS227D	AQ	4/25/01	4/26/01	5/1/01	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	B16	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	2	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: B, J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1363-8
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-DS227D	AQ	4/25/01	4/26/01	5/1/01	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	108	%	1.0		
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	96	%	1 0		
1,2-DICHLOROETHANE-D4	108	%	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: NASB

Lab Number: WR1363-9
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QT002	AQ	4/26/01	4/26/01	5/1/01	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	J0.6	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: J

KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: SHERRI PULLAR
EA Engineering
3 Washington Center

Newburgh, NY 12550

Proj. ID: NASB

Lab Number: WR1363-9
SDG: BN18S9DSXD1D
Report Date: 5/15/01
PO No. : 29600.47
Project: LTMP EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-S9-QT002	AQ	4/26/01	4/26/01	5/1/01	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	110	%	1 0		
TOLUENE-D8	102	%	1.0		
P-BROMOFLUOROBENZENE	93	%	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: WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	J0.7	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: 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. WR1437-8
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids. N/A
Method· EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT004	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	98	%	1 0		
1,2-DICHLOROETHANE-D4	109	%	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method. EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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: WR1500-5
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-QT005	AQ	5/3/01	5/3/01	5/7/01	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	106	%	1.0		
TOLUENE-D8	104	%	1 0		
P-BROMOFLUOROBENZENE	92	%	1 0		
1,2-DICHLOROETHANE-D4	111	%	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: WR1500-4
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900.47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-DSQS1	AQ	5/2/01	5/3/01	5/7/01	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	19	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	2	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: WR1500-4
SDG: WR1500
Report Date: 5/31/01
PO No. : 26900 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/7/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-DSQS1	AQ	5/2/01	5/3/01	5/7/01	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	107	%	1 0		
TOLUENE-D8	103	%	1 0		
P-BROMOFLUOROBENZENE	93	%	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: WR1437-9
SDG: BN18EPDS311
Report Date: 5/31/01
PO No. : 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-DSQD1	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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: WR1437-9
SDG: BN18EPDS311
Report Date. 5/31/01
PO No. · 29600 47
Project: LTM EVENT 18
% Solids: N/A
Method: EPA 8260
Date Analyzed: 5/3/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
BN-18-EP-DSQD1	AQ	5/1/01	5/1/01	5/3/01	JEY	5030	JEY

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	104	%	1 0		
P-BROMOFLUOROBENZENE	100	%	1 0		
1,2-DICHLOROETHANE-D4	106	%	1.0		

Report Notes: