N60087.AR.000542
NAS BRUNSWICK
5090.3a

Final Report

Quarterly Monitoring Event 5 - February 1996
Site 9: Neptune Drive Disposal Site
Naval Air Station, Brunswick, Maine

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

Prepared for

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

Prepared by

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

July 1996
296.0047

QUALITY REVIEW STATEMENT

EA Project Number: 29600.47

Description of Report/Deliverable:

Final Report, Quarterly Monitoring Event 5 - February 1996, Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine

EA Project Manager: Michael S. Battle, P.G.

In compliance with EA's Policy and Procedures for review of deliverables, 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 scope of services for the project 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 contract and/or the standard of care existing at the time of preparation.

Senior Technical Reviewer(s)

Gloria D. McCleary 7/1/96

Gloria D. McCleary, P.E., Senior Engineer — Date

Maine P.E. Registration No. 4885

296.0047

Final Report

Quarterly Monitoring Event 5 - February 1996
Site 9: Neptune Drive Disposal Site
Naval Air Station, Brunswick, Maine

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

Prepared for

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

Michael S. Battle 1 July 1996

Michael S. Battle, P.G. Date
CTO Manager

CW Houlik 1 JUL 96

Charles W. Houlik, Jr., Ph.D., CPG Date
Program Manager

July 1996

CONTENTS

Page

LIST OF FIGURES
LIST OF TABLES

1. PROJECT ACTIVITIES 1

1.1 Introduction 1
1.2 Measurement of Water Level Elevations 1
1.3 Ground-Water Monitoring, Sampling, and Analysis 1
1.4 Surface Water, Sediment, and Leachate Seep/Sediment Sampling and Analysis 2
1.5 Visual Inspection 2
1.6 Quality Assurance/Quality Control 3
1.7 Analytical Data Quality Review 3

2. MONITORING EVENT RESULTS 4

2.1 Water Level Gauging 4
2.2 Water Quality Indicator Parameters 4
2.3 Ground Water 4
2.4 Surface Water 5
2.5 Sediment 5
2.6 Leachate Seep and Sediment 5

REFERENCES

APPENDIX A: FIELD MONITORING AND SAMPLING FORMS
APPENDIX B: ANALYTICAL DATA QUALITY REVIEW
APPENDIX C: SUMMARY TABLES FOR ANALYSES OF TENTATIVELY IDENTIFIED COMPOUNDS
APPENDIX D: ANALYTICAL REPORT DATA TABLES

LIST OF FIGURES

Number	Title
1	Site location map for Site 9, Naval Air Station, Brunswick, Maine.
2	Site plan - Site 9 (Neptune Drive Disposal Site), Naval Air Station, Brunswick, Maine.
3	Schematic of generalized installation of dedicated submersible pump system in a monitoring well.
4	Interpreted water table elevations, 14 February 1996 well gauging data, Site 9 (Neptune Drive Disposal Site), Naval Air Station, Brunswick, Maine.

LIST OF TABLES

Number	Title
1	Summary of long-term monitoring program at Site 9, Naval Air Station, Brunswick, Maine.
2	Monitoring well gauging summary, Site 9, Naval Air Station, Brunswick, Maine.
3	Summary of water quality indicator parameters measured in ground-water samples collected on 20 and 21 February 1996 at Site 9, Naval Air Station, Brunswick, Maine.
4	Summary of water quality indicator parameters measured in surface water and leachate seep samples collected on 21 February 1996 at Site 9, Naval Air Station, Brunswick, Maine.
5	Summary of analytical results for ground-water samples collected on 20 and 21 February 1996 at Site 9, Naval Air Station, Brunswick, Maine.
6	Summary of analytical results for surface water samples collected on 21 February 1996 at Site 9, Naval Air Station, Brunswick, Maine.
7	Summary of analytical results for sediment samples collected on 21 February 1996 at Site 9, Naval Air Station, Brunswick, Maine.
8	Summary of analytical results for the seep and sediment samples collected on 21 February 1996 at Site 9, Naval Air Station, Brunswick, Maine.

1. PROJECT ACTIVITIES

1.1 INTRODUCTION

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

At Site 9, the Navy is required to perform long-term monitoring, maintenance, and corrective measures as part of the long-term remedial actions required by the Interim Groundwater Record of Decision dated September 1994 (ABB Environmental Services [ABB-ES] 1994). A Long-Term Monitoring Plan (LTMP) was established pursuant to the Interim Groundwater Record of Decision (ABB-ES 1995).

The LTMP document establishes the requirement for monitoring/sampling of ground water, surface water, sediment, and leachate to be conducted several times annually, along with the implementation of institutional controls to prevent human contact with ground water in the area. It is anticipated that monitoring will continue until a review is completed which suggests that no further action, or an alternate remedial action (i.e., other than natural attenuation), should be selected.

1.2 MEASUREMENT OF WATER LEVEL ELEVATIONS

Water level measurements were obtained on 14 February 1996 at the 13 ground-water monitoring wells specified in the LTMP indicated in Table 1, and 1 newly installed well (MW-NASB-212). The locations of the wells are provided on Figure 2. The gauging procedures are detailed in the Quarterly Monitoring Event 4 Report (EA 1996) and the LTMP (ABB-ES 1994).

1.3 GROUND-WATER MONITORING, SAMPLING, AND ANALYSIS

The ground-water sampling program was performed on 20-21 February 1996 in accordance with the general methodologies established in the LTMP (ABB-ES 1994). Previously installed dedicated Grundfos Redi-Flo2 stainless steel and Teflon® submersible pumping systems were utilized for sample collection. Table 1 provides a summary of the wells included in the ground-water sampling program. Figure 3 provides a schematic of a typical dedicated submersible pump installed in a monitoring well. Ground-water sampling procedures are detailed in the Quarterly Monitoring Event 4 Report (EA 1996) and the LTMP (ABB-ES 1994).

Ground-water samples were collected from 7 of 9 wells during the February 1996 sampling event using the low flow sampling technique. Well MW-NASB-071 was frozen and could not be sampled; well MW-NASB-079 went dry during purging and did not recover sufficiently to permit sampling to occur.

Water quality indicator parameters, including pH, conductivity, temperature, and turbidity, were measured during well purging. Stabilization of water quality indicator parameters is observed when measurements agree to within approximately 10 percent on three successive readings. Slowly recharging wells were purged at the lowest flow rate obtainable with the submersible pump (i.e., 0.2-0.3 L/minute). All monitoring wells reached equilibrium of the water quality indicator parameters prior to sampling, although turbidity was measured in excess of 10 NTU at 2 wells (MW-NASB-074 and MW-NASB-079).

All ground-water samples were collected for analysis of Target Compound List (TCL) volatile organic compounds (VOC) plus a library search of 15 tentatively identified compounds by U.S. Environmental Protection Agency (EPA) Method 8260. Four of 7 ground-water samples were also collected for analysis of Target Analyte List (TAL) elements, including metals by trace inductively coupled plasma (EPA Method 6010), mercury by cold vapor atomic adsorption (EPA Method 7470), and cyanide by EPA Method 9010.

1.4 SURFACE WATER, SEDIMENT, AND LEACHATE SEEP/SEDIMENT SAMPLING AND ANALYSIS

The surface water, sediment, and leachate seep/sediment sampling program at Site 9 was performed on 21 February 1996, in accordance with the general methodologies established in the LTMP (ABB-ES 1994). Surface water and sediment samples were collected from 6 stations located along the streams south of Site 9. The leachate seep and sediment samples were collected at the foot of the drain located south of Site 9 (Figure 2). Table 1 provides a summary of the stations included in the surface water, sediment, and leachate seep/sediment sampling program.

All surface water, sediment, and seep samples were collected for analysis of TCL VOC plus a library search of 15 tentatively identified compounds by EPA Method 8260. Leachate seep and sediment samples were also collected for analysis of TAL elements by trace inductively coupled plasma (EPA Method 6010), mercury by EPA Method 7470, and cyanide by EPA Method 9010. Five of 6 sediment samples (Table 1) were further analyzed for the presence of TCL semivolatile organic compounds plus a library search of 20 tentatively identified compounds by EPA Method 8270.

1.5 VISUAL INSPECTION

Site inspection activities were completed on 20 February 1996 by a civil engineer in accordance with the LTMP (ABB-ES 1994). The site inspection indicated no evidence of stressed vegetation in the vicinity of the site. Iron staining was observed in the vicinity of

MW-NASB-071 and leachate sample station LT-901, and along the southern unnamed creek from the point of exit from the drain to the confluence with the northern unnamed creek. No physical evidence of tampering of site wells was evident. All wells were observed to be locked, with the exception of MW-NASB-069, which was observed to have a broken latch and bent protective casing. All wells were labeled.

1.6 QUALITY ASSURANCE/QUALITY CONTROL

A rigorous quality assurance/quality control program is required by the LTMP to meet the data quality objectives of the aqueous and sediment sampling program, as outlined in the Quality Assurance Project Plan associated with the LTMP (ABB-ES 1995). The data obtained during the February 1996 sampling event were determined to be of sufficient quality to be used to evaluate the long-term effectiveness of the remedial action (i.e., natural attenuation) by establishing a baseline on ground-water, surface water, sediment, and seep quality. Field monitoring forms are presented in Appendix A.

1.7 ANALYTICAL DATA QUALITY REVIEW

As required by the LTMP (ABB-ES 1995), review of laboratory data was performed on selected quality control parameters to evaluate precision, accuracy, and completeness and data quality objective requirements. A summary of the analytical data quality review is provided in Appendix B. With the exceptions discussed in Appendix B, the data represented in this report were found to meet specified acceptance criteria and, therefore, represent data in general compliance with the Quality Assurance Project Plan contained in the LTMP (ABB-ES 1994).

Three VOC (methylene chloride, acetone, and 2-butanone) were reported at low concentrations in analytical samples of ground water, surface water, sediment, and leachate, and quality assurance/quality control samples. These compounds are used as part of laboratory analytical methods and are considered to be laboratory contaminants. The reported presence of these compounds in analytical samples does not compromise the quality of data collected as part of the LTMP.

2. MONITORING EVENT RESULTS

2.1 WATER LEVEL GAUGING

Ground-water potentiometric elevations measured on 14 February 1996 during the fifth quarterly monitoring event at Site 9 are provided in Table 2. The Field Record of Well Gauging form completed during the well gauging event is provided in Appendix A. All 13 wells and the newly installed well (NASB-212) were gauged on 14 February 1996 in accordance with the LTMP (ABB-ES 1995). Depth to frozen water was measured at MW-NASB-071.

Based on the water table elevation data, shallow overburden ground-water flow reflects land surface topography of the site area. The dominant direction of ground-water flow beneath the site is to the south-southeast, although significant variations occur in the vicinity of the streams located south of Neptune Drive. Figure 4 provides the interpreted ground-water flow direction for the subject site.

The hydraulic gradient across the subject site is characterized as shallow at 1.5 percent (0.015 ft per ft) as measured parallel to the direction of ground-water flow between MW-NASB-069 and MW-NASB-076.

2.2 WATER QUALITY INDICATOR PARAMETERS

Water quality indicator parameters were measured during the collection of ground-water, surface water, and leachate seep samples according to the methods specified in the LTMP (ABB-ES 1995). The results of water quality indicator parameter monitoring at the time samples were collected are summarized in Tables 3 and 4 for ground-water samples and surface water and leachate seep samples, respectively. Field records of well gauging and sampling are provided in Appendix A.

An anomalous reading of pH of 2.39 was recorded at sample point SW-011. This may be the result of instrument error. Other water quality parameters were consistent with past sampling events.

2.3 GROUND WATER

Table 5 provides a summary of the VOC and TAL elements reported in ground-water samples collected at Site 9. Ground-water samples were not collected from 2 wells at Site 9; MW-NASB-071 was frozen and could not be sampled; MW-NASB-079 went dry during purging and did not recover sufficiently to permit sampling to occur. Appendix C provides a summary of the tentatively identified compounds reported during this sampling event. Appendix D contains the summary tables for the analyses performed.

Data generated as a result of the fifth quarterly sampling event indicate that 5 VOC were detected at reportable concentrations in the ground-water samples. Methylene chloride and acetone were reported in 3 of 7 ground-water samples and trip blanks; however, these compounds were also detected in the associated method blanks and are considered laboratory artifacts.

Notable results of ground-water sampling during Monitoring Event 5 include:

- Vinyl chloride, a contaminant of concern, was reported in 5 of 7 wells at concentrations in excess of the corresponding State Maximum Exposure Guideline (0.15 μg/L) and Federal Maximum Contaminant Level (2 μg/L).
- No VOC were detected in 2 wells (MW-NASB-069 and MW-NASB-081).
- Manganese was reported above the corresponding State Maximum Exposure Guideline of 200 μg/L in 2 wells (MW-NASB-080 and MW-NASB-081).

2.4 SURFACE WATER

Table 6 provides a summary of the VOC detected in surface water samples collected at Site 9. No tentatively identified compounds were reported in surface water samples. Appendix D contains the summary tables for the analyses performed. Sample locations are provided on Figure 2.

Two VOC reported in surface water (methylene chloride and acetone) were reported in trip blanks, rinse blanks, source water blanks, and in the associated method blanks, and are considered laboratory contaminants.

2.5 SEDIMENT

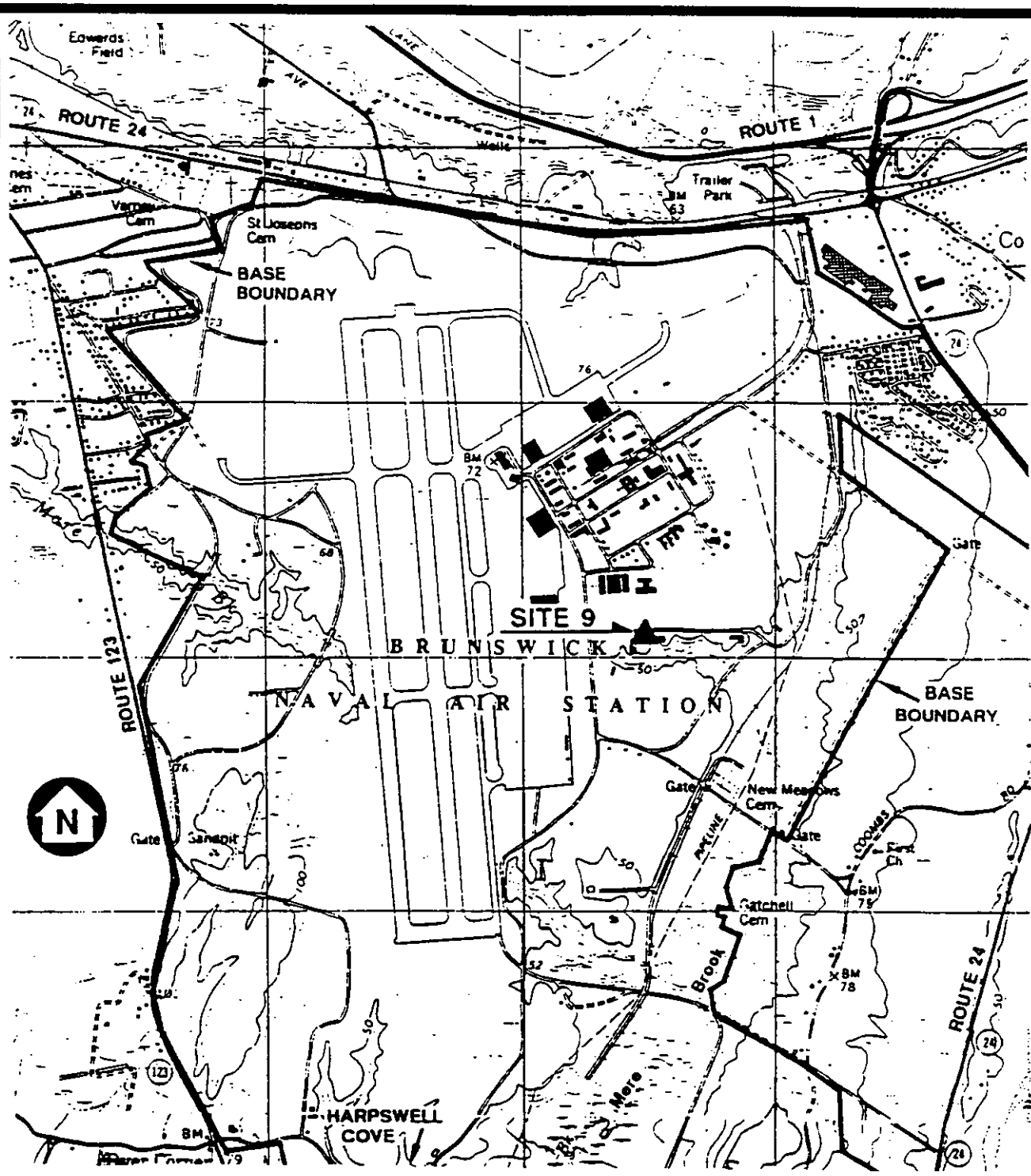
Table 7 provides a summary of the constituents detected in sediment samples collected at Site 9. Appendix C provides a summary of the tentatively identified compounds reported in sediment samples. Appendix D contains the summary tables for the analyses performed. Sample locations are provided on Figure 2.

Two of 13 VOC reported in sediment (methylene chloride and acetone) were reported in corresponding method blanks and are considered laboratory contaminants

2.6 LEACHATE SEEP AND SEDIMENT

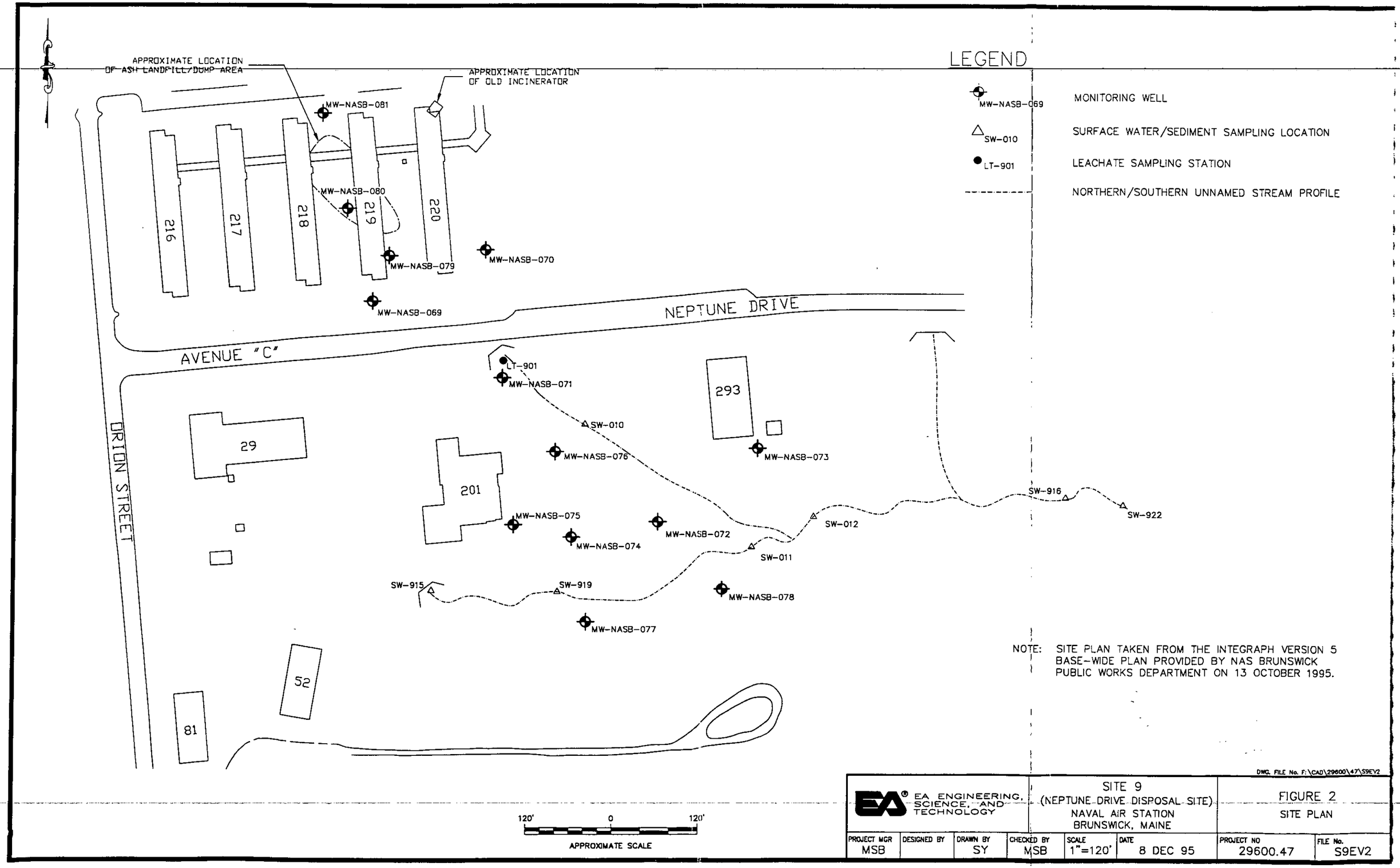
Table 8 provides a summary of the constituents detected in leachate seep and sediment samples collected at Site 9. Appendix C provides a summary of the tentatively identified compounds reported in leachate seep and sediment samples. Appendix D contains the summary tables for the analyses performed on leachate samples. Sample locations are provided on Figure 2.

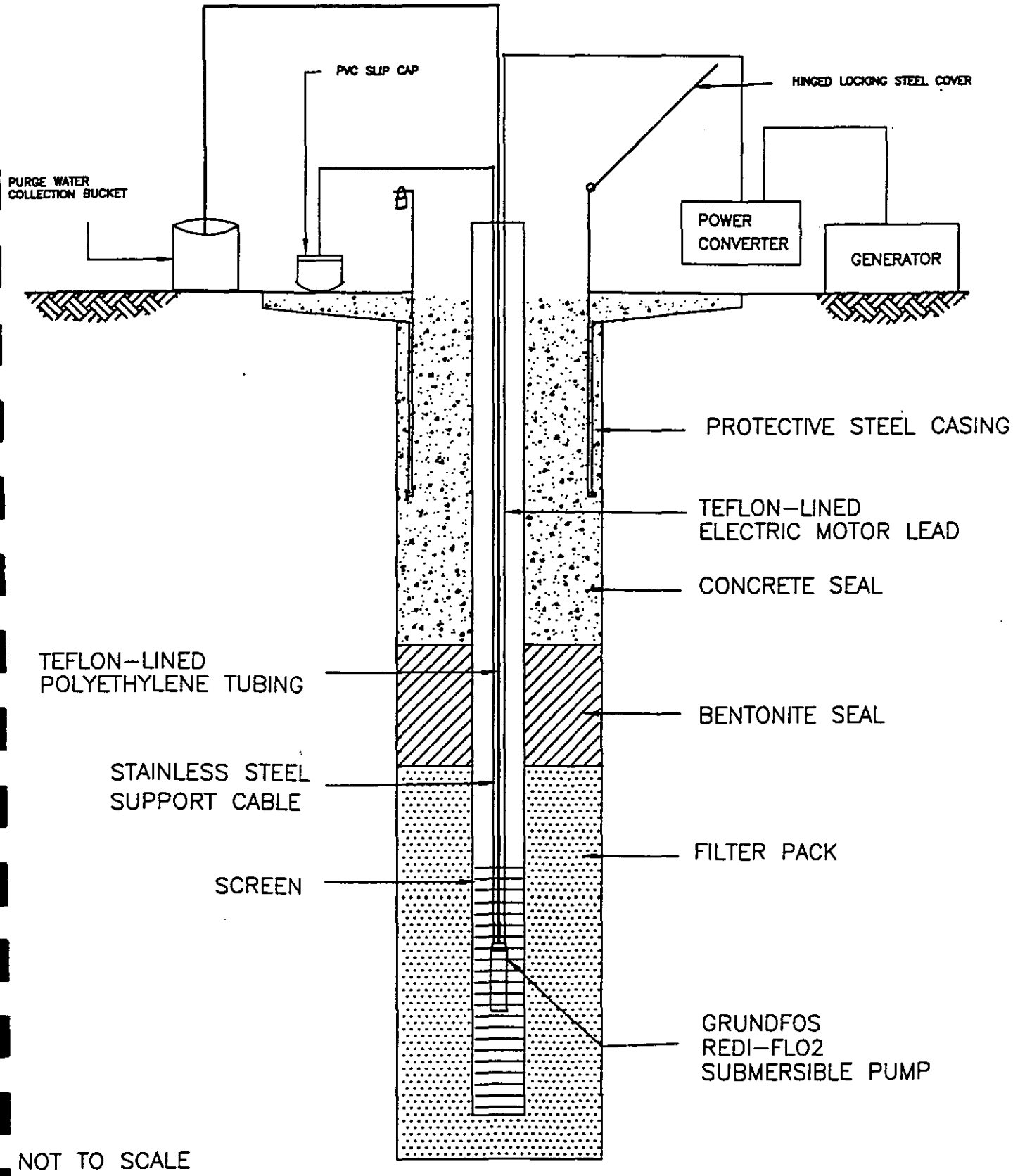
Two VOC (1,2-dichloroethane and toluene) were reported at low concentrations in the sediment sample. Methylene chloride and acetone were reported at low concentrations in the leachate seep and sediment samples, trip blank, equipment rinse blank, and source water blank, although these compounds were also detected in the associated method blanks and are common laboratory artifacts.



Source: USGS 7.5-minute series topographic maps: Brunswick, Maine, Quadrangles (1980); and Orrs Island, Maine, 1978. Scale 1:24,000.

Figure 1. Site location map for Site 9, Naval Air Station, Brunswick, Maine.

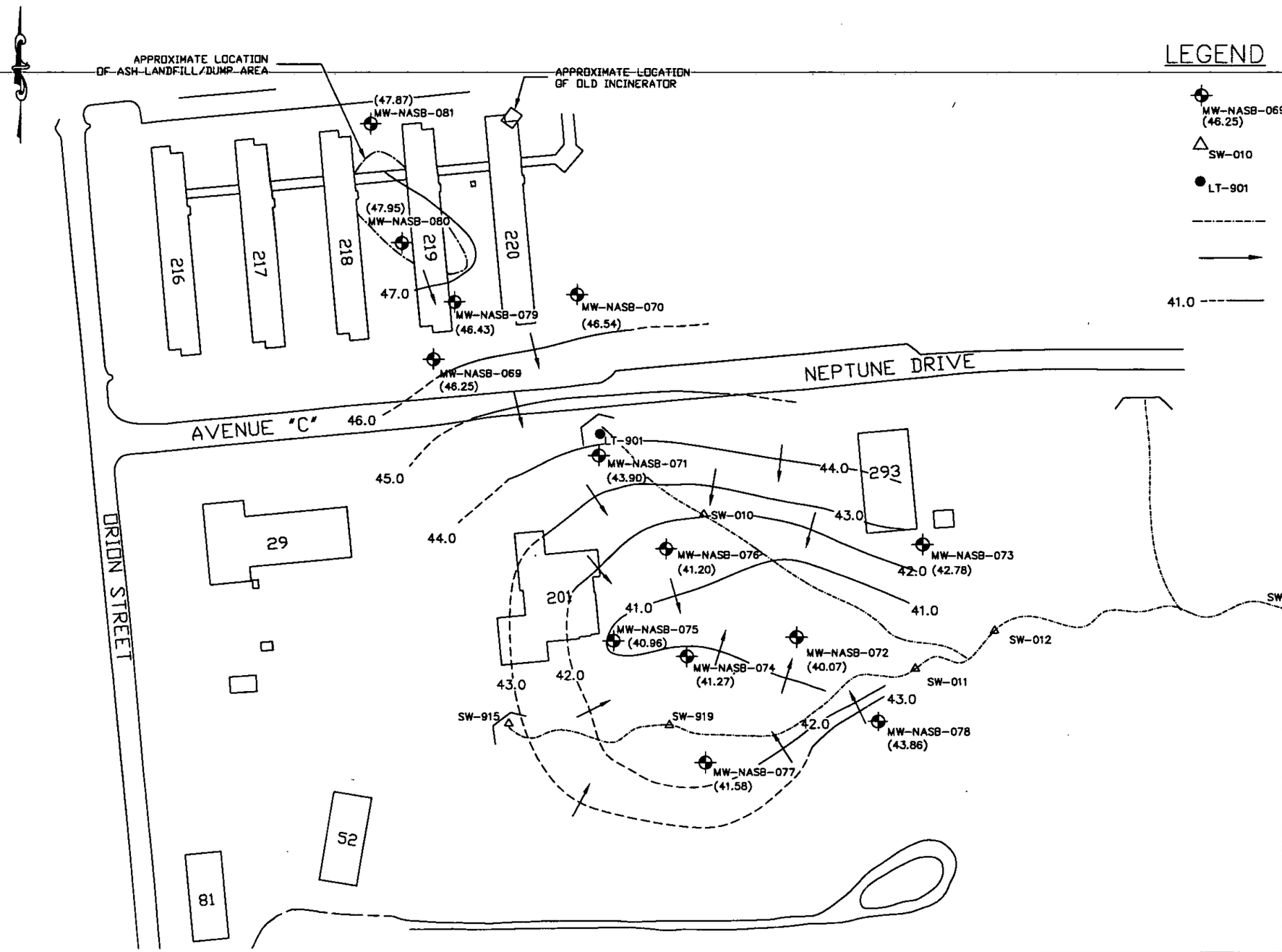

APPROXIMATE LOCATION OF ASH LANDFILL/DUMP AREA
APPROXIMATE LOCATION OF OLD INCINERATOR
MW-NASB-081
MW-NASB-080
MW-NASB-079
MW-NASB-070
MW-NASB-069
216
217
218
219
220
NEPTUNE DRIVE
AVENUE "C"
ORION STREET
LT-901
MW-NASB-071
SW-010
293
MW-NASB-073
29
MW-NASB-076
201
MW-NASB-075
MW-NASB-074
MW-NASB-072
SW-012
SW-011
SW-916
SW-922
SW-915
SW-919
MW-NASB-078
MW-NASB-077
52
81
120' 0 120'
APPROXIMATE SCALE
LEGEND
MW-NASB-069 MONITORING WELL
SW-010 SURFACE WATER/SEDIMENT SAMPLING LOCATION
LT-901 LEACHATE SAMPLING STATION
NORTHERN/SOUTHERN UNNAMED STREAM PROFILE
NOTE: SITE PLAN TAKEN FROM THE INTEGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.
DWG. FILE No. F:\CAD\29600\47\S9EV2
EA ENGINEERING, SCIENCE, AND TECHNOLOGY
SITE 9
(NEPTUNE DRIVE DISPOSAL SITE)
NAVAL AIR STATION
BRUNSWICK, MAINE
FIGURE 2
SITE PLAN
PROJECT MGR MSB
DESIGNED BY
DRAWN BY SY
CHECKED BY MSB
SCALE 1"=120'
DATE 8 DEC 95
PROJECT NO 29600.47
FILE No. S9EV2



NOT TO SCALE

DWG. FILE No. F:\CAD\AGWE...

EA ENGINEERING, SCIENCE, AND TECHNOLOGY			SCHEMATIC OF GENERALIZED INSTALLATION OF DEDICATED SUBMERSIBLE PUMP SYSTEM IN A MONITORING WELL			FIGURE 3	
PROJECT MGR MSB	DESIGNED BY	DRAWN BY SY	CHECKED BY	SCALE N.T.S.	DATE 26 JUNE 1995	PROJECT NO 29600.47	FILE No. PUMP



LEGEND

- MW-NASB-069 (46.25) — MONITORING WELL (WATER TABLE ELEVATION, FT. MSL.)
- SW-010 — SURFACE WATER/SEDIMENT SAMPLING LOCATION
- LT-901 — LEACHATE SAMPLING STATION
- NORTHERN/SOUTHERN UNNAMED STREAM PROFILE
- INTERPRETED DIRECTION OF GROUND-WATER FLOW
- 41.0 — INTERPRETED POTENTIOMETRIC SURFACE DASHED WHERE INFERRED (CONTOUR INTERVAL = 1.0 FT)

WELL DESIGNATION	WELL RISER ELEVATION (ft MSL)
MW-NASB-069	57.30
MW-NASB-070	58.26
MW-NASB-071	46.25
MW-NASB-072	49.81
MW-NASB-073	51.71
MW-NASB-074	51.68
MW-NASB-075	54.91
MW-NASB-076	52.79
MW-NASB-077	58.89
MW-NASB-078	53.74
MW-NASB-079	58.15
MW-NASB-080	58.51
MW-NASB-081	58.22

DWG. FILE No. F:\CAD\29600\47\S9EV5

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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

FIGURE 4
INTERPRETED WATER TABLE ELEVATIONS, 14 FEBRUARY 1996
WELL GAUGING DATA

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
MSB	PLN	SY	MSB	1"=120'	19 APR 1996	29600.47	S9EV5

TABLE 1 SUMMARY OF LONG-TERM MONITORING PROGRAM AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Well Designation	Sample Type/ Location	Monitoring Frequency	Sample Parameters				Event 5	
			TCL VOC	TCL SVOC	TAL Elements	Field Parameters[a]	Gauged	Sampled
Monitoring Wells								
MW-NASB-069	MW-901	Quarterly	X			X	X	X
MW-NASB-070	MW-902	Quarterly				X[b]	X[b]	NA
MW-NASB-071	MW-903	Quarterly	X		X	X	Frozen	Frozen
MW-NASB-072	MW-904	Quarterly	X		X	X	X	X
MW-NASB-073	MW-905	Quarterly				X[b]	X[b]	NA
MW-NASB-074	MW-906	Quarterly	X			X	X	X
MW-NASB-075	MW-907	Quarterly	X			X	X	X
MW-NASB-076	MW-908	Quarterly	X			X	X	X
MW-NASB-077	MW-909	Annually	X			X	X	Sampled during Event 2
MW-NASB-078	MW-910	Annually	X			X	X	
MW-NASB-079	MW-914	Quarterly	X		X	X	X	Dry
MW-NASB-080	MW-915	Quarterly	X		X	X	X	X
MW-NASB-081	MW-916	Quarterly	X		X	X	X	X

(a) Determination of field parameters in accordance with EPA/600/4-79/020 including: pH (Method 150.1), temperature (Method 170.1), specific conductance (Method 180.1), and dissolved oxygen (Method 360.1). Includes water level measurement.
(b) Indicates water level measurement only.
(c) Sampling will occur if sufficient flow is available.

NOTE: NA = Not applicable; SVOC = Semivolatile organic compounds; TAL = Target Analyte List; TCL = Target Compound List; VOC = Volatile organic compounds (EPA SW846).
Wells MW-NASB-077 and MW-NASB-078 are sampled annually.

Sample Type/Location	Monitoring Frequency	Sample Parameters				Event 5 Sample Collected
		TCL VOC	TCL SVOC	TAL Elements	Field Parameters[a]	
Leachate[c]						
LT-901	Quarterly	X		X	X	X
Surface Water						
SW-010	Quarterly	X			X	X
SW-011	Quarterly	X			X	X
SW-012	Quarterly	X			X	X
SW-915	Quarterly	X			X	X
SW-916	Annually	X			X	X
SW-919	Quarterly	X			X	X
SW-922	Quarterly	X			X	X
Sediment						
SED-010	Quarterly	X	X			X
SED-011	Quarterly	X	X			X
SED-012	Quarterly	X	X			X
SED-915	Quarterly	X	X			X
SED-916	Annually	X				X
SED-919	Quarterly	X	X			X
SED-922	Quarterly	X				X
LT-901	Quarterly	X		X		X

TABLE 2 MONITORING WELL GAUGING SUMMARY SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Well Designation	Previous Well Designation	Well Riser Elevation (ft MSL)	Gauging Data (14 February 1996)		
			Depth to Well Bottom (ft below top of PVC well riser)	Depth to Water (ft below top of PVC well riser)	Water Table Elevation (ft MSL)
Monitoring Wells					
MW-NASB-069	MW-901	57.30	42.42	11.05	46.25
MW-NASB-070	MW-902	58.26	27.32	11.72	46.54
MW-NASB-071	MW-903	46.25	21.54	2.35[a]	43.90[a]
MW-NASB-072	MW-904	49.81	14.63	9.74	40.07
MW-NASB-073	MW-905	51.71	32.12	8.93	42.78
MW-NASB-074	MW-906	51.68	27.12	10.41	41.27
MW-NASB-075	MW-907	54.91	21.22	13.95	40.96
MW-NASB-076	MW-908	52.79	19.94	11.59	41.20
MW-NASB-077	MW-909	58.89	37.29	17.31	41.58
MW-NASB-078	MW-910	53.74	14.93	9.88	43.86
MW-NASB-079	MW-914	58.15	18.92	11.72	46.43
MW-NASB-080	MW-915	58.51	19.04	11.04	47.47
MW-NASB-081	MW-916	58.22	18.85	10.63	47.59
MW-NASB-212	New well	No data	No data	11.55	---

(a) Measurement is to top of frozen water.

NOTE: MSL = Mean sea level.
Dashes (---) indicate water table elevation could not be calculated because survey data were not available.

TABLE 3 SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN GROUND-WATER SAMPLES COLLECTED ON 20 AND 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Well Designation	Previous Well Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
Monitoring Wells						
MW-NASB-069	MW-901	6.18	14.1	186	0.78	3
MW-NASB-071	MW-903	Well frozen; no data				
MW-NASB-072	MW-904	6.50	9.1	132	3.78	9
MW-NASB-074	MW-906	6.37	12.8	244	0.83	67
MW-NASB-075	MW-907	6.40	14.0	324	0.68	5
MW-NASB-076	MW-908	5.80	13.7	356	0.45	3
MW-NASB-079	MW-914	Well purged dry[a]				
MW-NASB-080	MW-915	6.68	13.0	298	3.43	5
MW-NASB-081	MW-916	6.59	14.7	266	3.47	1

(a) Stabilization of water quality parameters was not achieved and no sample was collected. Field data are presented in Appendix A.

NOTE: NTU = Nephelometric turbidity unit.

TABLE 4 SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN SURFACE WATER AND LEACHATE SEEP SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Sample Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
Surface Water					
SW-010	6.36	2.2	452	13.71	42
SW-011	2.39	2.1	254	13.94	18
SW-012	6.11	1.9	260	13.85	18
SW-915	6.80	2.4	260	14.30	22
SW-919	6.40	6.4	256	13.78	24
SW-922	5.70	1.0	210	14.52	16
Leachate Seep					
LT-901	6.48	5.1	228	1.12	30

NOTE: NTU = Nephelometric turbidity unit.

TABLE 5 SUMMARY OF ANALYTICAL RESULTS FOR GROUND-WATER SAMPLES COLLECTED ON 20 AND 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	PQL[a]	MW-NASB-069 / MW-901	MW-NASB-072 / MW-904	MW-NASB-074 / MW-906	MW-NASB-075 / MW-907	MW-NASB-076 / MW-908	MW-NASB-080 / MW-915	MW-NASB-081 / MW-916	MW-NASB-081 DUP / MW-916 DUP	QT-004	QT-005	MEG[b]	MCL[c]
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)													
Methylene chloride	3.0	(<3U)	(<3U)	(<3U)	2JB	(<3U)	(<3U)	(<3U)	(<3U)	2JB	2JB	---	5
Acetone	5.0	(<5U)	(<5U)	(<5U)	(<5U)	3JB	59	(<5U)	(<5U)	12	11		
Total 1,2-Dichloroethene	2.0	(<2U)	(<2U)	9	1J	1J	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	70	70
Vinyl chloride	2.0	(<2U)	**4**	**3**	**12**	**10**	**4**	(<2U)	(<2U)	(<2U)	(<2U)	0.15	2
1,1-Dichloroethane	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	1J	(<2U)	(<2U)	(<2U)	(<2U)	70	---
1,2-Dichloroethane	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	1J	(<2U)		
Ethylbenzene	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	700	700
Total xylenes	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	600	10,000
Toluene	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	1,400	1,000

(a) PQL = Practical Quantitation Level.
(b) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate no MEG applicable.
(c) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1994). Dashes (---) indicate no MCL applicable.

NOTE: QT = Trip blank. Samples associated with QT-004 and QT-005 were analyzed under a seperate sample delivery group shipped on the same day.
U = Not detected. Sample quantitation limits are shown as (<____U).
J = Estimated concentration below detection limit.
B = Analyte detected in associated method blank.
Only those analytes detected in at least one of the samples and the contaminants of concern listed in the LTMP (ABB-ES 1995) are shown on this table.
Concentrations in bold denote exceedance of MEG or MCL (primary levels).
No ground-water samples were collected from MW-NASB-071 (frozen) and MW-NASB-079 (purged dry; no recovery).

Analyte	PQL[a]	MW-NASB-069 / MW-901	MW-NASB-072 / MW-904	MW-NASB-074 / MW-906	MW-NASB-075 / MW-907	MW-NASB-076 / MW-908	MW-NASB-080 / MW-915	MW-NASB-081 / MW-916	MW-NASB-081 DUP / MW-916 DUP	QT-004	QT-005	MEG[b]	MCL[c]
TARGET ANALYTE LIST ELEMENTS BY EPA SW 846 6000/7000/9000 SERIES METHODS (μg/L)													
Aluminum	100.0	NR	33.4B*	NR	NR	NR	132B*	24.0B*	26.0B*	NR	NR	1,430	50-200[d]
Barium	5.0	NR	6.1B*	NR	NR	NR	826	27.0B*	28.2B*	NR	NR	1,500	2,000
Berylium	5.0	NR	0.09B*	NR	NR	NR	(<0.09U)	(<0.09U)	(<0.09U)	NR	NR	---	4
Cadmium	5.0	NR	(<0.21U)	NR	NR	NR	(<0.21U)	0.36B*	0.25B*	NR	NR	5	5
Calcium	50.0	NR	16,900	NR	NR	NR	49,400	34,000	35,700	NR	NR	---	---
Chromium	15.0	NR	0.78B*	NR	NR	NR	3.9B*	2.1B*	2.6B*	NR	NR	100	100
Cobalt	30.0	NR	(<0.71U)	NR	NR	NR	2.7B*	0.78B*	(<0.71U)	NR	NR	---	---
Copper	25.0	NR	(<0.76U)	NR	NR	NR	1.2B*	2.6B*	1.9B*	NR	NR	---	1,300[e]
Iron	25.0	NR	102	NR	NR	NR	4,930	(<25.4U)	41.3B*	NR	NR	---	300[d]
Lead	5.0	NR	(<1.1U)	NR	NR	NR	1.4B*	1.2B*	(<1.1U)	NR	NR	---	15[e]
Magnesium	50.0	NR	4,520B*	NR	NR	NR	3,130B*	2,150B*	2,220B*	NR	NR	---	---
Manganese	5.0	NR	112	NR	NR	NR	**193**	**876**	938	NR	NR	200	50[d]
Mercury	0.2	NR	0.17B*	NR	NR	NR	0.11B*	0.10B*	0.11B*	NR	NR	2	2
Nickel	40.0	NR	(<1.2U)	NR	NR	NR	6.8B*	3.5B*	3.6B*	NR	NR	100	100
Potassium	1,000.0	NR	913B*	NR	NR	NR	5,760	3,790B*	4,520B*	NR	NR	---	---
Sodium	100.0	NR	6,760	NR	NR	NR	16,300	30,000	30,100	NR	NR	---	---
Vanadium	25.0	NR	(<0.90U)	NR	NR	NR	1.0B*	(<0.90U)	(<0.90U)	NR	NR	---	---
Zinc	25.0	NR	(<6.8U)	NR	NR	NR	15.2B*	9.6B*	(<6.8U)	NR	NR	---	5,000[d]
Cyanide	20.0	NR	(<1.3U)	NR	NR	NR	1.5B*	1.5B*	(<1.3U)	NR	NR	154	200

(d) Secondary MCL, based on taste, odor, or color.
(e) Action level.

NOTE: NR = Analysis not required.
B* = Analyte concentration is between the instrument detection limit and the CRDL.

TABLE 6 SUMMARY OF ANALYTICAL RESULTS FOR SURFACE WATER SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Compound	Practical Quantitation Limit	SW-010	SW-011	SW-012	SW-915	SW-919	SW-922	QT-005	QS-003	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)										
Acetone	5.0	10	10	11	14	12	11	11	15	8B
Methylene chloride	3.0	2JB	(<3U)	(<3U)	(<3U)	(<3U)	(<3U)	2JB	3B	2JB
Tetrachlorethene	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	4
Toluene	2.0	(<2U)	3	2	3	2	1J	(<2U)	(<2U)	(<2U)
Total xylenes	2.0	(<2U)	2	2J	2	(<2U)	1J	(<2U)	(<2U)	(<2U)

NOTE: QT = Trip blank.
QS = Equipment rinsate blank.
QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 15 February 1996.
U = Not detected. Sample quantitation limits are shown as (<____U).
B = Compound detected in associated method blank.
J = Estimated concentration below the detection limit.
Only those compounds detected in at least one of the samples and the contaminants of concern listed in the LTMP (ABB-ES 1995) are shown on this table.

TABLE 7 SUMMARY OF ANALYTICAL RESULTS FOR SEDIMENT SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Compound	Practical Quantitation Limit	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-005 (μg/L)	QS-004 (μg/L)	QD-001 (μg/L)
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg)											
Acetone	5.0	24B	64B	41B	9B	5JB	45B	46B	11	12	8B
Methylene chloride	3.0	7B	6B	4B	5B	6B	5B	47B	2JB	3JB	2JB
2-Butanone	5.0	7J	19	(<7U)	7J	(<6U)	(<6.5U)	9	(<5U)	(<5U)	(<5U)
Tetrachloroethene	2.0	(<2.8U)	(<3.2U)	(<2.8U)	(<2.8U)	1J	(<2.6U)	2J	(<2U)	(<2U)	(<2U)
1,1,2,2-Tetrachloroethane	5.0	(<7.0U)	(<8U)	(<7U)	20	(<6U)	(<6.5U)	(<8U)	(<5U)	(<5U)	(<5U)
Total 1,2-Dichloroethene	2.0	8	(<3.2U)	(<2.8U)	(<2.8U)	(<2.4U)	(<2.6U)	(<3.2U)	(<2U)	(<2U)	(<2U)
Trichloroethene	2.5	2J	(<4U)	(<3.5U)	(<3.5U)	(<3U)	(<3.3U)	(<4.0U)	(<2.5U)	(<2.5U)	(<2.5U)
Toluene	2.0	3J	(<3.2U)	(<2.8U)	(<2.8U)	(<2.4U)	(<2.6U)	2J	(<2U)	(<2U)	(<2U)
Total xylenes	2.0	(<2.8U)	(<3.2U)	(<2.8U)	2J	(<2.4U)	(<2.6U)	2J	(<2U)	(<2U)	(<2U)
1,2-Dichloroethane	2.0	2J	(<3.2U)	(<2.8U)	(<2.8U)	(<2.4U)	(<2.6U)	(<3.2U)	(<2U)	(<2U)	(<2U)
1,2-Dichlorobenzene	2.0	(<2.8U)	(<3.2U)	(<2.8U)	2J	(<2.4U)	(<2.6U)	(<3.2U)	(<2U)	(<2U)	(<2U)
1,3-Dichlorobenzene	2.0	(<2.8U)	(<3.2U)	(<2.8U)	2J	(<2.4U)	(<2.6U)	(<3.2U)	(<2U)	(<2U)	(<2U)
1,4-Dichlorobenzene	2.0	(<2.8U)	(<3.2U)	(<2.8U0	2J	(<2.4U)	(<2.6U)	(<3.2U)	(<2U)	(<2U)	(<2U)

(a) Reanalysis conducted on samples due to low surrogate recoveries.

NOTE:
- QT = Trip blank; samples associated with QT-006 were analyzed under a separate sample delivery group shipped the same day.
- QS = Equipment rinse blank.
- QD = Source water blank.
- U = Not detected. Sample quantitation limits are shown as (<____U).
- B = Compound detected in associated method blank.
- J = Estimated concentration below concentration limit.

Only those compounds detected in at least one of the samples and the contaminants of concern listed in the LTMP (ABB-ES 1995) are shown on this table.

Compound	Practical Quantitation Limit	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-005 (μg/L)	QS-004 (μg/L)	QD-001 (μg/L)
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHODS 8270 (μg/kg)											
Naphthalene	330	(<460U)	(<530U)	(<460U)	650	(<400U)	(<400U)	NR	NR	(<10U)	NR
Acenaphthene	330	(<460U)	(<530U)	(<460U)	1,400	(<400U)	(<400U)	NR	NR	(<10U)	NR
Dibenzofuran	330	(<460U)	(<530U)	(<460U)	1,100	(<400U)	(<400U)	NR	NR	(<10U)	NR
Fluorene	330	(<460U)	(<530U)	(<460U)	1,800	(<400U)	(<400U)	NR	NR	(<10U)	NR
Phenanthrene	330	1,100	(<530U)	1,100	10,000	(<400U)	1,400	NR	NR	(<10U)	NR
Anthracene	330	(<460U)	(<530U)	(<460U)	2,100	(<400U)	(<400U)	NR	NR	(<10U)	NR
Carbazole	330	(<460U)	(<530U)	(<460U)	1,700	(<400U)	(<400U)	NR	NR	(<10U)	NR
Fluoranthene	330	1,700	(<530U)	2,300	11,000	660	6,000	NR	NR	(<10U)	NR
Pyrene	330	1,200	(<530U)	1,700	7,500	500	4,500	NR	NR	(<10U)	NR
Benzo(a)anthracene	330	790	(<530U)	720	5,100	230J	2,000	NR	NR	(<10U)	NR
Chrysene	330	690	(<530U)	1,000	4,700	310J	2,500	NR	NR	(<10U)	NR
Bis(2-ethylhexyl)phthalate	330	250J	(<530U)	450J	540	(<400U)	390J	NR	NR	(<10U)	NR
Benzo(b)fluoranthene	330	1,100	(<530U)	1,200	6,900	350J	2,700	NR	NR	(<10U)	NR
Benzo(k)fluoroethane	330	(<460U)	(<530U)	(<460U)	(<460U)	(<400U)	(<400U)	NR	NR	(<10U)	NR
Benzo(a)pyrene	330	450J	(<530U)	480	3,100	(<400U)	1,100	NR	NR	(<10U)	NR
Indeno(1,2,3-c,d)pyrene	330	390J	(<530U)	300J	2,300	(<400U)	640	NR	NR	(<10U)	NR
Dibenzo(a,h)anthracene	330	(<460U)	(<530U)	(<460U)	1,100	(<400U)	(<400U)	NR	NR	(<10U)	NR
Benzo(g,h,i)perylene	330	480	(<530U)	350J	2,600	(<400U)	680	NR	NR	(<10U)	NR
2-Methyl naphthalene	330	(<460U)	(<530U)	(<460U)	260J	(<400U)	(<400U)	NR	NR	(<10U)	NR
Acenaphthylene	330	(<460U)	(<530U)	(<460U)	(<460U)	(<400U)	(<400U)	NR	NR	(<10U)	NR

NOTE: NR = Analysis not required.

TABLE 8 SUMMARY OF ANALYTICAL RESULTS FOR THE SEEP AND SEDIMENT SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Practical Quantitation Limit	LT-901 (SEEP) (μg/L)	LT-901 (SEEP) DUP (μg/L)	LT-901 (SED)[a] (μg/kg)	LT-901 (SED)[a] DUP (μg/kg)	QT-005 (μg/L)	QS-003 (SEEP) (μg/L)	QS-004 (SED) (μg/L)	QD-001 (μg/L)
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD SW-8260									
Methylene chloride	3.0	(<3U)	2JB	15B	11	2JB	3B	3JB	2JB
Acetone	5.0	(<5U)	(<5U)	25	62	11	15	12	8B
1,2-Dichlorethane	2.0	(<2U)	(<2U)	5	6	(<2U)	(<2U)	(<2U)	(<2U)
Toluene	2.0	(<2U)	(<2U)	(<2.6U)	2J	(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	2.0	(<2U)	(<2U)	(<2.6U)	(<2.6U)	(<2U)	(<2U)	(<2U)	4

(a) Reanalysis conducted due to low surrogate recovery.

NOTE: QT = Trip blank.
QS = Equipment rinsate blank.
QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 15 February 1996.
U = Not detected. Sample quantitation limits are shown as (<___U).
B = Compound detected in assocated method blank.
Only those analytes detected in at least one of the samples and the contaminants of concern listed in the LTMP (ABB-ES 1995) are shown on this table.

Analyte	Practical Quantitation Limit	LT-901 (SEEP) (μg/L)	LT-901 (SEEP) DUP (μg/L)	LT-901 (SED)[a] (μg/kg)	LT-901 (SED)[a] DUP (μg/kg)	QT-005 (μg/L)	QS-003 (SEEP) (μg/L)	QS-004 (SED) (μg/L)	QD-001 (μg/L)
TARGET ANALYTE LIST ELEMENTS BY EPA SW-846 6000/7000/9000 SERIES METHODS									
Aluminum	100.0	4,090	275	3,780	3,380	NR	17.0B*	16.4B*	40.6B*
Arsenic	8.0	4.1B*	(<3.4U)	2.2	1.8	NR	(<3.4U)	(<3.4U)	(<3.4U)
Barium	5.0	50.5B*	23.4B*	12.3B*	10.3B*	NR	1.0B*	0.30B*	0.62B*
Beryllium	5.0	(<0.09U)	(<0.09U)	0.21B*	0.16B*	NR	(<0.09U)	(<0.09U)	(<0.09U)
Cadmium	10.0	0.44B*	(<0.21U)	0.08B*	0.07B*	NR	(<0.21U)	(<0.21U)	(<0.21U)
Calcium	50.0	15,500	15,000	640	919	NR	(<14.2U)	14.7B*	94.8B*
Chromium	15.0	12.3	0.83B*	6.3	6.5	NR	(<0.63U)	(<0.63U)	(<0.63U)
Cobalt	30.0	2.0B*	(<0.71U)	2.8B*	2.0B*	NR	(<0.71U)	(<0.71U)	(<0.71U)
Copper	25.0	16.1B*	2.1B*	6.4	7.8	NR	1.7B*	(<0.76U)	0.98B*
Iron	25.0	20,500	4,940	5,950	5,300	NR	42.4B*	(<25.4U)	(<25.4U)
Lead	25.0	76.3	9.8	40.4	43.1	NR	(<1.1U)	(<1.1U)	(<1.1U)
Magnesium	50.0	3,000B*	1,770B*	1,150	1,110	NR	(<15.6U)	(<15.6U)	28.7B*
Manganese	5.0	196	123	55.5	51.1	NR	1.3B*	0.69B*	0.83B*
Mercury	0.2	0.14B*	0.10B*	0.02B*	(<0.02U)	NR	0.10B*	(<0.10U)	(<0.10U)
Nickel	40.0	8.6B*	(<1.2U)	6.8	6.0	NR	(<1.2U)	(<1.2U)	(<1.2U)
Potassium	1,000.0	3,360B*	1,580	594	462B*	NR	(<587U)	(<587U)	(<587U)
Sodium	100.0	26,500	27,900	67.2B*	72.5B*	NR	52.1B*	83.5B*	44.9B*
Vanadium	25.0	18.6B*	2.3B*	12.1	9.9	NR	(<0.9U)	(<0.9U)	(<0.9U)
Zinc	25.0	87.2	17.0B*	28.6	29.6	NR	(<6.8U)	9.7B*	(<6.8U)
Cyanide	20.0	(<1.3U)	(<1.3U)	0.08B*	(<0.07U)	NR	1.5B*	(<1.3U)	(<1.3U)

NOTE: NR = Analysis not required.
B* = Analyte concentration is between the instrument detection limit and the CRDL.

REFERENCES

ABB Environmental Services, Inc. (ABB-ES). 1994. Final Long-Term Monitoring Plan for Building 95, Sites 1 and 3 and Eastern Plume, Naval Air Station, Brunswick, Maine. August.

ABB-ES. 1995. Long-Term Monitoring Plan for Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine. January.

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

State of Maine Department of Human Services. 1992. Summary of State and Federal Drinking Water Guidelines. Revised September. Bureau of Health - Environmental Toxicology Program. 23 October.

U.S. Environmental Protection Agency. 1994. National Primary Drinking Water Standards. Office of Water, Washington, D.C. EPA 610-P-94-001. February.

Appendix A

Field Monitoring and Sampling Forms

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

Appendix A.1

Field Record of Well Gauging Form

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name: BNAS Site 9	Project No: 29600.47/7200	Date: 14 February 1996
Weather/Temperature: cold, cloudy, light breeze, 10°F		
EA Personnel: Kurt Ilkey, Kristin Ruszczyk	Equipment: Slope indicator #23596, OVA (Foxboro) 15	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm) Air Ambient ppm	VOCs Concentration (ppm) Well Mouth ppm	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-071	yes/yes	yes	0.0	0.0				2.35 10 ice		
mw-NASB-076	yes/yes	yes	0.0	0.0				11.59		
mw-NASB 078	yes/yes	yes	0.0	0.0				9.174		
mw-NASB-074	yes/yes	yes	0.0	0.0				10.11		
mw-NASB-075	yes/yes	yes	0.0	0.0				13.95		
mw-NASB-077	yes/yes	yes	0.0	0.0				17.31		
mw-NASB-075	yes/yes	yes	0.0	0.0				9.[illegible]		
mw-NASB-073	yes/yes	yes	0.0	0.0				8.95		
mw-NASB-070	yes/yes	yes	0.0	0.0				11.92		
mw-NASB-069	yes/yes	~~yes~~ no	0.0	0.0				11.05		
mw-NASB 080	yes/yes	yes	0.0	0.0				11.0[illegible]		
NASB-new well	yes/yes	yes	0.0	0.0				11.[illegible]		
mw-NASB-079	yes/yes	yes	0.0	0.0				11.72		

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

→ located next to mw-NASB-080

Page __ of __

f:\wp\29600\47

BA 2/14

2 of 2

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name: BNAS, ~~Site 1 and 3~~ Site 9 (B1)	Project No: 29600.47/17.200	Date: 14 February 1996
Weather/Temperature: Cold, Cloudy, Slight breeze 11°F		
EA Personnel: Kurt Ilken, Karen Ruszczyk	Equipment: Foxboro OVA #1504.3, Slope indicator #23596	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm) Air Ambient ppm	VOCs Concentration (ppm) Well Mouth ppm	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-081	yes/yes	yes	0.0	0.0				10.63		

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

Page __ of __

f:\wp\29600\47

Appendix A.2

Field Record of Well Gauging, Purging, and Sampling Forms

1 of 2

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-1 + SB-C-69
WELL CONDITION: Slanted, well washout

PROJECT NUMBER: 29600.47/120
WELL LOCK STATUS: no lock
WEATHER: Cloudy, breezy, 50°F

GAUGE DATE: 2/21/96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 2.45'

GAUGE TIME: 1350
MEASUREMENT REF: Top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 2/21/96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1400
FIELD PERSONNEL: KI, KR
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 42.42'
B. DEPTH TO WATER (ft): 11.14'
C. LIQUID DEPTH (ft) (A-B): 31.28'
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 18.92
F. THREE WELL VOLUMES (L) (E*3): 56.76

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	1403	1407	1411	1415	1419	1422
DEPTH TO WATER (ft)	11.10'	11.25'	11.26'	11.24'	11.25'	11.25'
PURGE RATE (l/min)	.3L	.3L	.3L	.3L	.3L	.3L
VOLUME PURGED (L)	0.9L	2.1L	3.3L	4.5L	5.7L	6.6L
pH	6.94	6.45	6.31	6.26	6.24	6.22
TEMPERATURE (C)	11.4	12.9	13.5	13.7	13.8	13.8
CONDUCTIVITY (μmhos/cm)	0.170	0.178	0.188	0.184	0.184	0.184
DISSOLVED OXYGEN (μg/L)	3.60	2.65	2.27	1.83	1.71	1.57
TURBIDITY (NTU)	25	20	16	13	7	7

TOTAL QUANTITY OF WATER REMOVED (L): 14.7L

SAMPLERS: KI, KR
SAMPLING TIME (START/END): 1448/1449
SAMPLING DATE: 2/21/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl
SAMPLE BOTTLE IDs: BN-05-S9-MW006
SAMPLE PARAMETERS: TOHS
COMMENTS AND OBSERVATIONS: Used YSI #1

✓BH

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 29669.421 R200	Date: 21 February 96
Well ID: ~~BN-05-S9 MW06 M~~ → MW-NASB-069	Field Personnel: KR, KI	

Parameter	6	7	8	9	10	11
Time (min.)	1425	1428	1431	1434	1437	1440
Depth to Water (ft)	11.27'	11.25'	11.25'	11.26'	11.25'	11.25'
Purge Rate (L/min)	.3L	.3L	.3L	.3L	.3L	.3L
Volume Purged (L)	7.5L	8.4L	9.3L	10.2L	11.1L	12.0L
pH	6.21	6.20	6.20	6.19	6.17	6.17
Temperature (°C)	13.9	14.0	14.0	13.9	13.9	14.0
Conductivity (μmhos/cm)	0.186	0.182	0.186	0.186	0.184	0.182
Dissolved Oxygen (mg/L)	1.43	1.28	1.18	1.08	0.98	0.88
Turbidity (NTU)	6	5	5	5	3	3

Parameter	12	13	14	15	16	17
Time (min)	1443	1446				
Depth to Water (ft)	11.26'	11.26'				
Purge Rate (L/min)	.3L	.3L				
Volume Purged (L)	12.9L	13.8L				
pH	6.18	6.18				
Temperature (°C)	13.9	14.1				
Conductivity (μmhos/cm)	0.184	0.186				
Dissolved Oxygen (mg/L)	0.84	0.78				
Turbidity (NTU)	3	3				

COMMENTS AND OBSERVATIONS

√rd

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
PROJECT NUMBER: 29600.47 7700
WELL I.D.: MW-NASB-071
WELL LOCK STATUS: present
WELL CONDITION: Good
WEATHER: 30° Cloudy

GAUGE DATE: 2-20-96
GAUGE TIME: N/A
SOUNDING METHOD: Slope indicator
MEASUREMENT REF: top of pipe
STICK UP/DOWN (ft): 2.80
WELL DIAMETER (in.): 2"

PURGE DATE: N/A
PURGE TIME: N/A
PURGE METHOD: N/A
FIELD PERSONNEL: TC RH
AMBIENT AIR VOCs (ppm) Start: 0 End: 0
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

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

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)						
DEPTH TO WATER (ft)						
PURGE RATE (l/min)						
VOLUME PURGED (L)						
pH						
TEMPERATURE (C)						
CONDUCTIVITY (μmhos/cm)						
DISSOLVED OXYGEN (μg/L)						
TURBIDITY (NTU)						

TOTAL QUANTITY OF WATER REMOVED (L): N/A

SAMPLERS: N/A
SAMPLING TIME (START/END) : N/A
SAMPLING DATE: N/A
DECONTAMINATION FLUIDS USED: N/A
SAMPLE TYPE: N/A
SAMPLE PRESERVATIVES: N/A
SAMPLE BOTTLE IDs: N/A
SAMPLE PARAMETERS: N/A
COMMENTS AND OBSERVATIONS: FROZEN

✓ BK

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-072
WELL CONDITION: good

PROJECT NUMBER: 2960.417/7200
WELL LOCK STATUS: locked
WEATHER: Cloudy, warmer 35°F

GAUGE DATE: 2/20/96
SOUNDING METHOD: slope indicator
STICK UP/DOWN (ft): 0.25'

GAUGE TIME: 1110
MEASUREMENT REF: top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 2/20/96
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 10:20
FIELD PERSONNEL: KI, KR
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 14.63
B. DEPTH TO WATER (ft): 9.85
C. LIQUID DEPTH (ft) (A-B): 4.78

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 2.89
F. THREE WELL VOLUMES (L) (E*3): 8.67

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	10:23	10:26	11:31	11:36	11:41	11:46
DEPTH TO WATER (ft)	10.15	10.30	10.32	10.12	10.25	10.26
PURGE RATE (l/min)	0.3	0.3	0.3	0.3	0.3	0.3
VOLUME PURGED (L)	0.9 l	1.8 l	3.3 l	4.8 l	6.3 l	7.8 l
pH	8.23	7.83	7.44	7.23	7.02	6.84
TEMPERATURE (C)	6.6	7.2	7.9	8.3	8.5	8.6
CONDUCTIVITY (μmhos/cm)	0.120	0.150	0.136	0.134	0.134	0.132
DISSOLVED OXYGEN (μg/L)	3.63	3.13	3.50	3.72	4.02	3.93
TURBIDITY (NTU)	82	32	13	11	10	9

TOTAL QUANTITY OF WATER REMOVED (L): ~~14.1~~ 16.5L

SAMPLERS: KI, KR
SAMPLING TIME (START/END): 1207/1215
SAMPLING DATE: 2/20/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl, NaOH, HNO_3
SAMPLE BOTTLE IDs: BN-05-59-MW001 (MS/MSD)
SAMPLE PARAMETERS: VOAs, Cyanide, Total Elements
COMMENTS AND OBSERVATIONS: MS/MSD Dry hole! YSI #3

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: [illegible]	Date: 20 February 96
Well ID: MW-NASB-002	Field Personnel: KI, KK	

Parameter	6	7	8	9	10	11
Time (min.)	11:51	11:56	12:01	12:06		
Depth to Water (ft)	10.25	10.20	10.21	10.23		
Purge Rate (L/min)	0.3	0.3	0.3	0.3		
Volume Purged (L)	9.3 l	10.8 l	12.3 l	13.8 l		
pH	6.73	6.59	6.53	6.50		
Temperature (°C)	8.7	8.9	9.1	9.1		
Conductivity (μmhos/cm)	0.132	0.132	0.132	0.132		
Dissolved Oxygen (mg/L)	3.78	3.76	3.77	3.78		
Turbidity (NTU)	9	9	9	9		

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

COMMENTS AND OBSERVATIONS _____

[illegible]

102

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-074
WELL CONDITION: Good

PROJECT NUMBER: 29660.417/17.200
WELL LOCK STATUS: locked
WEATHER: Cloudy, pleasant, 35°F

GAUGE DATE: 2/20/96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 1.90'

GAUGE TIME: 1110
MEASUREMENT REF: TOC ⌀ pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 2/20/96
PURGE METHOD: IN FIN
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1115
FIELD PERSONNEL: KI, KR
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 27.12'
B. DEPTH TO WATER (ft): 10.50
C. LIQUID DEPTH (ft) (A-B): 16.62
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 10.06
F. THREE WELL VOLUMES (L) (E*3): 30.18

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	1120	1124	1128	1132	1136	1140
DEPTH TO WATER (ft)	10.55'	10.69	10.68	10.75	10.72	10.70
PURGE RATE (l/min)	.3L	.3L	.3L	.3L	.3L	.3L
VOLUME PURGED (L)	1.5L	2.9L	3.9L	5.1L	6.3L	7.5L
pH	6.26	6.30	6.33	6.36	6.37	6.37
TEMPERATURE (C)	10.5	11.6	12.3	12.6	12.7	12.7
CONDUCTIVITY (μmhos/cm)	0.234	0.238	0.240	0.246	0.246	0.244
DISSOLVED OXYGEN (μg/L)	2.10	1.91	1.60	1.42	1.22	0.98
TURBIDITY (NTU)	151	106	87	74	69	60

TOTAL QUANTITY OF WATER REMOVED (L): 12.0L

SAMPLERS: KI, KR
SAMPLING TIME (START/END): 1154/1155
SAMPLING DATE: 2/20/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl
SAMPLE BOTTLE IDs: BN-05-09-MW002
SAMPLE PARAMETERS: VOAs
COMMENTS AND OBSERVATIONS: YSI #2 used

✓ KR

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: [illegible]	Date: 20 February 96
Well ID: MW-NASR-074	Field Personnel: KI, KK	

Parameter	6	7	8	9	10	11
Time (min.)	1144	1148	1152			
Depth to Water (ft)	10.71	10.72	10.74			
Purge Rate (L/min)	.3L	.3L	.3L			
Volume Purged (L)	8.7L	9.9L	11.1L			
pH	6.37	6.37	6.37			
Temperature (°C)	12.7	12.9	12.8			
Conductivity (μmhos/cm)	0.240	0.244	0.244			
Dissolved Oxygen (mg/L)	0.94	0.85	0.83			
Turbidity (NTU)	67	67	67			

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)						

COMMENTS AND OBSERVATIONS _____

VPA

EA

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

1602

SITE NAME: Site 9
WELL I.D.: MW-NASB-075
WELL CONDITION: good

PROJECT NUMBER: 29650.117/7200
WELL LOCK STATUS: locked
WEATHER: cloudy, cool, 32°F

GAUGE DATE: 2/20/96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 2.00

GAUGE TIME: 1210
MEASUREMENT REF: Top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 2/20/96
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1230
FIELD PERSONNEL: KI, KR
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 21.22'
B. DEPTH TO WATER (ft): 14.10
C. LIQUID DEPTH (ft) (A-B): 7.12'

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 4.31
F. THREE WELL VOLUMES (L) (E*3): 12.93

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	1234	1237	1240	1243	1246	1249
DEPTH TO WATER (ft)	14.67	14.75	14.73	14.76	14.76	14.76
PURGE RATE (l/min)	.3L	.3L	.3L	.3L	.3L	.3L
VOLUME PURGED (L)	1.2L	2.1L	3.0L	3.9L	4.8L	5.7L
pH	6.41	6.39	6.39	6.39	6.39	6.39
TEMPERATURE (C)	11.8	13.1	13.6	14.2	14.4	14.2
CONDUCTIVITY (μmhos/cm)	0.314	0.318	0.318	0.320	0.320	0.324
DISSOLVED OXYGEN (μg/L)	2.80	2.66	2.39	2.20	1.94	1.75
TURBIDITY (NTU)	10	8	8	8	7	6

TOTAL QUANTITY OF WATER REMOVED (L): 17.4L

SAMPLERS: KR, KI
SAMPLING TIME (START/END): 1327/1328
SAMPLING DATE: 2/20/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl
SAMPLE BOTTLE IDs: BN-05-S9-MW~~0031~~ 004
SAMPLE PARAMETERS: VOAS
COMMENTS AND OBSERVATIONS: YSI #2

1 of

EA Engineering, Science, and Technology

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

Site Name:	Site 9	Project No.: 29[illegible]/72EC	Date: 20 February 96
Well ID:	MW-NASB-075	Field Personnel:	KI, KR

Parameter	6	7	8	9	10	11
Time (min.)	1252	1255	1259	1303	1307	1310
Depth to Water (ft)	14.76	14.95	14.79	14.85	14.77	14.76
Purge Rate (L/min)	.3L	.3L	.3L	.3L	.3L	.3L
Volume Purged (L)	6.4L	7.5L	8.7L	9.9L	11.1L	12.0L
pH	6.39	6.39	6.39	6.39	6.39	6.39
Temperature (°C)	14.3	14.5	14.5	14.3	14.2	14.1
Conductivity (μmhos/cm)	0.326	0.326	0.324	0.326	0.324	0.328
Dissolved Oxygen (mg/L)	1.62	1.47	1.30	1.18	1.10	1.01
Turbidity (NTU)	6	6	5	5	6	5

Parameter	12	13	14	15	16	17
Time (min)	1313	1316	1319	1322	1325	
Depth to Water (ft)	15.91	14.90	14.86	14.89	14.91	
Purge Rate (L/min)	.3L	.3L	.3L	.3L	.3L	
Volume Purged (L)	12.9L	13.8L	14.7L	15.6L	16.5L	
pH	6.39	6.40	6.40	6.40	6.40	
Temperature (°C)	14.1	14.1	14.0	14.0	14.0	
Conductivity (μmhos/cm)	0.324	0.324	0.328	0.324	0.324	
Dissolved Oxygen (mg/L)	0.93	0.88	0.74	0.71	0.68	
Turbidity (NTU)	5	5	5	5	5	

COMMENTS AND OBSERVATIONS

VBt

EA

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-0776
WELL CONDITION: Good

PROJECT NUMBER: 2960.47 7200
WELL LOCK STATUS: good
WEATHER: cloudy, 40°F

GAUGE DATE: 2/20/96
SOUNDING METHOD: Slope Indicator
STICK UP/DOWN (ft): 2.00'

GAUGE TIME: 12:25
MEASUREMENT REF: T.O.C.
WELL DIAMETER (in.): 2"

PURGE DATE: 2/20/96
PURGE METHOD: Grundfos Pump
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 12:30
FIELD PERSONNEL: KI, KR
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 19.94'
B. DEPTH TO WATER (ft): 11.71
C. LIQUID DEPTH (ft) (A-B): 8.23

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 4.98
F. THREE WELL VOLUMES (L) (E*3): 14.94

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	12:33	12:38	12:43	12:48	12:53	12:58
DEPTH TO WATER (ft)	11.85	11.90	11.88	11.89	11.88	11.90
PURGE RATE (l/min)	0.3	0.3	0.3	0.3	0.3	0.3
VOLUME PURGED (L)	0.9	2.4	3.9	5.4	6.9	8.4
pH	6.09	5.84	5.81	5.79	5.77	5.77
TEMPERATURE (C)	11.8	13.2	13.4	13.5	13.5	13.6
CONDUCTIVITY (μmhos/cm)	0.376	0.384	0.380	0.380	0.376	0.374
DISSOLVED OXYGEN (μg/L)	2.22	1.86	1.73	1.49	1.11	1.01
TURBIDITY (NTU)	5	4	3	3	3	3

TOTAL QUANTITY OF WATER REMOVED (L): ~~18.6 L~~ K 18.6 L

SAMPLERS: KI
SAMPLING DATE: 2/20/96
SAMPLE TYPE: GRAB
SAMPLE BOTTLE IDs: BN-05-52 MW-603 ~~005~~
SAMPLE PARAMETERS: VOAs

SAMPLING TIME (START/END): 13:30/13:32
DECONTAMINATION FLUIDS USED: ~~None~~ none
SAMPLE PRESERVATIVES: HCL, ~~HNO3~~ K

COMMENTS AND OBSERVATIONS: YSI #3

RK ✓

EA Engineering, Science, and Technology

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

Site Name: SITE 9	Project No.: 296047	Date: 2/20/96
Well ID: MW-NASB-076	Field Personnel: KI, KR	

Parameter	6	7	8	9	10	11
Time (min.)	1303	1308	1313	1318	1323	1328
Depth to Water (ft)	11.89	11.90	11.90	11.90	11.94	11.91
Purge Rate (L/min)	0.3	0.3	0.3	0.3	0.3	0.3
Volume Purged (L)	9.9	11.4	12.9	14.4	15.9	17.4
pH	5.77	5.77	5.78	5.79	5.79	5.80
Temperature (°C)	13.7	13.6	13.7	13.7	13.7	13.7
Conductivity (μmhos/cm)	0.374	0.364	0.364	0.364	0.358	0.356
Dissolved Oxygen (mg/L)	0.89	0.75	0.66	0.57	0.51	0.45
Turbidity (NTU)	3	3	3	3	3	3

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)						

COMMENTS AND OBSERVATIONS

nt J

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME:	~~Site~~ - Site 9	PROJECT NUMBER:	296-2047 7202
WELL I.D.:	MW-NAS18-9T1	WELL LOCK STATUS:	Present
WELL CONDITION:	Good	WEATHER:	30° Cloudy
GAUGE DATE:	2-20-96	GAUGE TIME:	TC ~~RH~~ 1140
SOUNDING METHOD:	Slope indicator	MEASUREMENT REF:	top of pipe
STICK UP/DOWN (ft):	2.20	WELL DIAMETER (in.):	2"
PURGE DATE:	2-20-96	PURGE TIME:	1143
PURGE METHOD:	low flow	FIELD PERSONNEL:	TC RH
AMBIENT AIR VOCs (ppm)	Start: 0 End: 3	WELL MOUTH VOCs (ppm):	Start: 0.5 End: 0

WELL VOLUME

A. WELL DEPTH (ft):	18.92	D. WELL VOLUME/FT (L):	.625
B. DEPTH TO WATER (ft):	11.85	E. WELL VOLUME (L) (C*D):	4.28
C. LIQUID DEPTH (ft) (A-B):	7.07	F. THREE WELL VOLUMES (L) (E*3):	12.83

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	1148	1151				
DEPTH TO WATER (ft)	11.90	12.65				
PURGE RATE (l/min)	.2	.2				
VOLUME PURGED (L)	.6	1.6				
pH	6.77	6.83				
TEMPERATURE (C)	14.1	13.7				
CONDUCTIVITY (μmhos/cm)	0.170	0.176				
DISSOLVED OXYGEN (μg/L)	3.01	3.47				
TURBIDITY (NTU)	27	19				

TOTAL QUANTITY OF WATER REMOVED (L): N/A

SAMPLERS:	TC RH	SAMPLING TIME (START/END) :	N/A
SAMPLING DATE:	2-20-96	DECONTAMINATION FLUIDS USED:	None
SAMPLE TYPE:	Grab	SAMPLE PRESERVATIVES:	HCl

SAMPLE BOTTLE IDs: ~~BN-95-59-TC~~

SAMPLE PARAMETERS: VOC, TAL Elements, Cyanide

COMMENTS AND OBSERVATIONS: well went dry after 10 minutes of purging didn't recover for half an hour No sample taken.

✓ RH

1 of 2

EA

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME:	Site 7	PROJECT NUMBER:	27600.47 7200
WELL I.D.:	MW-NASB-033	WELL LOCK STATUS:	present
WELL CONDITION:	Good	WEATHER:	35° cloudy
GAUGE DATE:	2-21-96	GAUGE TIME:	1255
SOUNDING METHOD:	Slope indicator	MEASUREMENT REF:	Top of pipe
STICK UP/DOWN (ft):	2.05'	WELL DIAMETER (in.):	2"
PURGE DATE:	2-21-96	PURGE TIME:	1257
PURGE METHOD:	low flow	FIELD PERSONNEL:	TC RH
AMBIENT AIR VOCs (ppm)	Start: 0 End: 0	WELL MOUTH VOCs (ppm):	Start: 2 End: 0

WELL VOLUME

A. WELL DEPTH (ft):	19.04	D. WELL VOLUME/FT (L):	.605
B. DEPTH TO WATER (ft):	11.33	E. WELL VOLUME (L) (C*D):	4.66
C. LIQUID DEPTH (ft) (A-B):	7.71	F. THREE WELL VOLUMES (L) (E*3):	13.99

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	~~0~~ 1258	1303	1307	1311	1314	1317
DEPTH TO WATER (ft)	11.33	11.45	11.44	11.42	11.42	11.42
PURGE RATE (l/min)	.2	.2	.2	.2	.2	.2
VOLUME PURGED (L)	.2	1.2	2	2.8	3.4	4
pH	6.77	6.67	6.66	6.67	6.67	6.67
TEMPERATURE (C)	9.3	11.1	12.2	13.0	12.7	13.0
CONDUCTIVITY (μmhos/cm)	0.284	0.284	0.284	0.294	0.298	0.298
DISSOLVED OXYGEN (μg/L)	1.37	2.65	3.05	3.07	3.54	3.46
TURBIDITY (NTU)	59	14	9	7	6	5

TOTAL QUANTITY OF WATER REMOVED (L): 7.6

SAMPLERS:	RH TC	SAMPLING TIME (START/END) :	1320/1340
SAMPLING DATE:	2-21-96	DECONTAMINATION FLUIDS USED:	None
SAMPLE TYPE:	Grab	SAMPLE PRESERVATIVES:	HCl, NaOH HNO_3

SAMPLE BOTTLE IDs: RN-05-~~07~~-MW 007

SAMPLE PARAMETERS: Voc, TAL Metals, Cyanide

COMMENTS AND OBSERVATIONS: Soap suds on the surface of ponded water on ground. 1325 well went dry while sampling, shut pump off and let recharge for five minutes.

VBX

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 27600477200	Date: 2-21-96
Well ID: MW-NASB-030	Field Personnel: RH TC	

Parameter	6	7	8	9	10	11
Time (min.)	1319					
Depth to Water (ft)	11.42					
Purge Rate (L/min)	.2					
Volume Purged (L)	4.4					
pH	6.68					
Temperature (°C)	13.0					
Conductivity (μmhos/cm)	0.298					
Dissolved Oxygen (mg/L)	3.43					
Turbidity (NTU)	5					

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

COMMENTS AND OBSERVATIONS _____

VPH

EA

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-MSB-081
WELL CONDITION: good

PROJECT NUMBER: 29600.47/7200
WELL LOCK STATUS: locked
WEATHER: cloudy, warm, 45°F

GAUGE DATE: 2/21/96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 1.91'

GAUGE TIME: 1255
MEASUREMENT REF: top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 2/21/96
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1300
FIELD PERSONNEL: KR, KI
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 18.85'
B. DEPTH TO WATER (ft): 10.88'
C. LIQUID DEPTH (ft) (A-B): 7.97'
D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 4.82
F. THREE WELL VOLUMES (L) (E*3): 14.46

PARAMETER	BEGINNING	1	2	3	4	5
TIME (min)	1304	1307	1310	1314	1317	1320
DEPTH TO WATER (ft)	10.86'	10.85'	10.76'	10.73'	10.88'	10.88'
PURGE RATE (l/min)	.3L	.3L	.3L	.3L	.3L	.3L
VOLUME PURGED (L)	1.2L	2.1L	3.0L	4.2L	5.1L	6.0L
pH	6.35	6.44	6.51	6.58	6.58	6.59
TEMPERATURE (C)	11.3	12.1	13.3	14.1	14.5	14.7
CONDUCTIVITY (μmhos/cm)	0.248	0.250	0.254	0.262	0.264	0.266
DISSOLVED OXYGEN (μg/L)	4.38	4.37	4.18	3.87	3.69	3.47
TURBIDITY (NTU)	4	3	2	1	1	1

TOTAL QUANTITY OF WATER REMOVED (L): 11.4L

SAMPLERS: KR, KI
SAMPLING TIME (START/END): 1322 / 1338
SAMPLING DATE: 2/21/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl, NaOH, HNO3
SAMPLE BOTTLE IDs: BN-05-S9-MW005
SAMPLE PARAMETERS: VOAs, Total Elements, Cyanide
COMMENTS AND OBSERVATIONS: Duplicate done here, BN-05-S9-MW~~005~~D1
used YSI #1

1/1

Appendix A.3

Field Record of Surface Water and Sediment Sampling Forms

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9.	Project Number: 29600 47/72 00
Sample Location ID: SW/SD 010	Date: 21 February 96
Sampling Time: H2O 0947 ~~Start:~~ ~~End:~~ Sed. 0951	Sample Team Members: KR, KI, BA, TC, RH

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 6" ~~(ft)~~

Depth of Sample from Top of Water 2" ~~(ft)~~

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

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

Water Quality Parameters
- (X) Temperature 2.2 °C
- (X) Conductivity 1452 µmhs/cm
- (X) ph 6.36 units
- (X) Dissolved oxygen 13.71 mg/L
- (X) Turibidity 42 NTU

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

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

Sample Location Sketch:
- ( ) Yes
- (X) No

Method Used:
- ( ) Winkler
- (X) Probe

~~Turbidity~~ _____ ~~NTU~~

SEDIMENT INFORMATION

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

Sediment Type:
- ( ) Clay
- (X) Sand, brn
- ( ) Organic
- ( ) Gravel

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

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

Sample Observations:
- (X) Odor none
- (X) Color light brown
- ( ) _____

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

SAMPLES COLLECTED

	Check if Required at this Location	Matrix: Surface Water	Matrix: Sediment	Check if Preserved with Acid/Base	Volume Required	Check if Sample Collected	Sample Bottle IDs
0947	✓	✓		✓		✓	BN-05-S9-SW004
0951	✓		✓			✓	BN-05-S9-SD004

NOTES/SKETCH

Oily sheen on surface water.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 29600.47/17200
Sample Location ID: SW/SD 011	Date: 21 February 96
Sampling Time: H2O 0933 ~~Start:~~ ~~End:~~ SED 0935	Sample Team Members: KR, KI, TG, BA, RH

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 1.0 (ft)

Depth of Sample from Top of Water 2" ~~(ft)~~

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

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

Water Quality Parameters
- (X) Temperature 2.1 °C
- (X) Conductivity 0.257 µmhs/cm
- (X) ph 2.39 units
- (X) Dissolved oxygen 13.94 mg/L
- (X) Turibidity 18 NTU

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

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

Sample Location Sketch:
- ( ) Yes
- (X) No

Method Used:
- ( ) Winkler
- (X) Probe

~~Turbidity~~ _____ ~~NTU~~ BA

SEDIMENT INFORMATION

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

Sediment Type:
- ( ) Clay
- (X) Sand; medium
- ( ) Organic
- ( ) Gravel

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

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

Sample Observations:
- (X) Odor none
- (X) Color tan, light brown
- ( ) _____

Field QC Data: (X) Field Duplicate Collected
Duplicate ID BN-05-S9-SDXD)

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
0933	✓	✓		✓		✓	BN-05-S9-SW003
0935	✓		✓			✓	BN-05-S9-SD003

NOTES/SKETCH

oily sheen on top of surface water

JBA

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29600.47 / 17200
Sample Location ID: SW/SD 012			Date: 21 February 1996
Sampling Time: H2O 0920 Sed 0923	Start:	End:	Sample Team Members: KR, KI, TC, RH, BA

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 1.6' ~~(ft)~~

Depth of Sample from Top of Water 3" ~~(ft)~~

Equipment Used for Collection:
- ( ) None, Grab into Bottle
- ( ) Bomb Sampler
- ( ) Pump
- X Cuticase of jar

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

Water Quality Parameters
- (X) Temperature 1.9 °C
- (X) Conductivity 0.200 µmhs/cm
- (X) ph 6.11 units
- (X) Dissolved oxygen 13.85 mg/L
- (X) Turibidity 18 NTU

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

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

Sample Location Sketch:
- ( ) Yes
- (X) No

Method Used:
- ( ) Winkler
- (X) Probe

~~Turbidity~~ _____ ~~NTU~~

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
- (X) Odor none
- (X) Color light brown
- ( ) _____

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID _____
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
0920	✓	✓		✓		✓	BN-05-S9-SW002
0923	✓		✓			✓	BN-05-S9-SD002 (MS/MSD)

NOTES/SKETCH

Oily sheen on surface water

VM

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29600.47 / 17200
Sample Location ID: SW/SD 915			Date: 21 February 96
Sampling Time: H2O 1020 / SED 1025	Start:	End:	Sample Team Members: KR, KI, BA, TG, RH

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 2.0 (ft)

Depth of Sample from Top of Water 3" (ft)

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

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

Water Quality Parameters
- (X) Temperature 3.4 °C
- (X) Conductivity 0.260 µmhs/cm
- (X) ph 6.80 units
- (X) Dissolved oxygen 14.30 mg/L
- (X) Turibidity 22 NTU

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

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

Sample Location Sketch:
- ( ) Yes
- (X) No

Method Used:
- ( ) Winkler
- (X) Probe

~~Turbidity _____ NTU~~ BH

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
- (X) Odor hydrocarbon
- (X) Color light brown
- ( ) _____

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

SAMPLES COLLECTED

	Check if Required at this Location	Matrix: Surface Water	Matrix: Sediment	Check if Preserved with Acid/Base	Volume Required	Check if Sample Collected	Sample Bottle IDs
1020	✓	✓		✓		✓	BN-05-S9-SW006
1025	✓		✓			✓	BN-05-S9-SD006

NOTES/SKETCH

Odor - general "oil" odor surrounding area (hydrocarbon)

✓ BH

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 29160.417/1200
Sample Location ID: SW1SD 914	Date: 21 February 96
Sampling Time: H2O 1010 Start: ~~End:~~ SED 1013	Sample Team Members: KR, KI, BA, RH, TC

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 1.0 (ft)

Depth of Sample from Top of Water 2.0" ~~(ft)~~ a

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

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

Water Quality Parameters
(X) Temperature 6.40 °C
(X) Conductivity 0.256 µmhs/cm
(X) ph 6.40 units
(X) Dissolved oxygen 13.78 mg/L
(X) Turibidity 24 NTU

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

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

Sample Location Sketch:
( ) Yes
(X) No

Method Used:
( ) Winkler
(X) Probe

~~Turbidity _____ NTU~~ NT

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
(X) Odor oil odor
(X) Color medium brown
( ) _____

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

SAMPLES COLLECTED

	Check if Required at this Location	Matrix: Surface Water	Matrix: Sediment	Check if Preserved with Acid/Base	Volume Required	Check if Sample Collected	Sample Bottle IDs
1010	✓	✓		✓		✓	BN-05-S9-SW005
1013	✓		✓			✓	BN-05-S9-SD005

NOTES/SKETCH

oily sheen on water.

JAK

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29600.4/7/7280
Sample Location ID: SW/SD 922			Date: 21 February 96
Sampling Time: H_2O 0855 SED 0901	Start:	End:	Sample Team Members: KR, KI, RH, TC, BT

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 1.0 (ft)

Depth of Sample from Top of Water 3" ~~(ft)~~ L

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

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

Water Quality Parameters
(X) Temperature 1.0 °C
(X) Conductivity 0.510 µmhs/cm
(X) ph 5.70 units
(X) Dissolved oxygen 14.52 mg/L
(X) Turibidity 16 NTU

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

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

Sample Location Sketch:
( ) Yes
(X) No

Method Used:
( ) Winkler
(X) Probe

~~Turbidity~~ _____ ~~NTU~~ RH

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
(X) Odor Organic odor
(X) Color Tan, brown
( ) _____

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

SAMPLES COLLECTED

Check if Required at this Location	Matrix: Surface Water	Matrix: Sediment	Check if Preserved with Acid/Base	Volume Required	Check if Sample Collected	Sample Bottle IDs
✓ (0855)	✓		✓		✓	BN-05-S9-SW001
✓ (0901)		✓			✓	BN-05-S9-SD001

NOTES/SKETCH

Oily sheen on surface water! Petroleum smell in air. 0ppm.

JPT

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 24600.417/7200
Sample Location ID: LT 901	Date: 21 February 1996
Sampling Time: H_2O 1038 Start: ~~End:~~	Sample Team Members: KI, BA, KR, TC, PH

1048 KI

SURFACE WATER INFORMATION

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

Water Depth and Sample Location 4" ~~(ft)~~ K

Depth of Sample from Top of Water 2" ~~(ft)~~ K

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

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

Water Quality Parameters
(X) Temperature 5.1 °C
(X) Conductivity 0.328 µmhs/cm
(X) ph 6.48 units
(X) Dissolved oxygen 1.12 mg/L
(X) Turibidity 30 NTU

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

Field QC Data: (X) Field Duplicate Collected
Duplicate ID BN-05-S9-SWD1
ms/msd done here!

Sample Location Sketch:
(X) Yes
( ) No

Method Used:
( ) Winkler
(X) Probe

~~Turbidity _____ NTU~~ pt

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
(X) Odor none
(X) Color brown
( ) _____

Field QC Data: (X) Field Duplicate Collected
Duplicate ID BN-05-S9-SDXD2
ms/msd done here!

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
1038	✓	✓		✓		✓	BN-05-S9-LT001 (ms/msd)
1048	✓		✓			✓	BN-05-S9-LTSD1 (ms/msd)

NOTES/SKETCH

pt

Appendix B

Analytical Data Quality Review

APPENDIX B - CONTENTS

REVIEW OF ANALYTICAL QUALITY CONTROL

Page

B.1 INTRODUCTION B-1

B.1.1 Field Sampling Program Quality Control B-2
B.1.2 Laboratory Analytical Quality Control Program B-2

B.2 SAMPLE HOLDING TIMES B-2
B.3 PRECISION B-2

B.3.1 Volatile Organic Compounds B-2
B.3.2 Semivolatile Organic Compounds B-3
B.3.3 Target Analyte List Metals (Including Cyanide) B-3

B.4 ACCURACY B-3

B.4.1 Volatile Organic Compounds B-3
B.4.2 Semivolatile Organic Compounds B-4
B.4.3 Target Analyte List Metals (Including Cyanide) B-4

B.5 COMPLETENESS B-5
B.6 FIELD QUALITY CONTROL BLANKS B-5
B.7 DUPLICATE FIELD SAMPLES B-7

APPENDIX B

REVIEW OF ANALYTICAL QUALITY CONTROL

B.1 INTRODUCTION

This investigation utilized both field quality control measures and analytical laboratory quality control measures to ensure that the data quality objectives presented in the project-specific Quality Assurance Project Plan (QAPP) contained in the Long-Term Monitoring Plan (ABB-ES 1994) were met.

The sampling program consisted of 16 aqueous samples (ground water, surface water, and leachate seep) and 7 sediment samples collected from Site 9. For the combined analyses for this site, 2 aqueous sample delivery groups and 2 sediment sample delivery groups were provided to the laboratory. Sample duplicates, rinsate blanks, and trip blanks were collected at the frequency required by the QAPP.

Analytical quality control was reviewed for compliance with the data quality objectives of precision and accuracy for each sample and analysis type, including field quality control blanks (i.e., trip blank) and field sample duplication. Analytical precision was based upon the mean relative percent difference (RPD) value from the matrix spike/matrix spike duplicates (MS/MSD) for organic analysis and the RPD value from the laboratory duplicates for inorganic analysis. Accuracy was based upon the reported spike recoveries for the laboratory control samples (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 recoveries of the LCS. MS/MSD and SMC recoveries measure the effect of the sample matrix on sample preparation and measurement methodology. Known quantities of target compounds are spiked into the sample matrix for MS/MSD and recoveries are used to measure potential bias due to matrix effects. SMC, which are structurally similar to the targeted analytes, are used to evaluate the recovery of the target compounds. These are used as indicators for all of the analytes. The accuracy of the LCS spike recoveries are used in conjunction with MS/MSD when evaluating organic analyses.

Data completeness was quantified by reviewing the number of usable results to the number of samples scheduled for collection.

The following sections summarize the results of this program.

B.1.1 Field Sampling Program Quality Control

Field duplicate samples were collected for each matrix (i.e., sediment and water) and analyzed for the same parameters as the original environmental samples to determine field sampling precision. The potential for cross-contamination of volatile organics during sample storage and shipment was monitored by trip blanks which were shipped with each sample cooler containing aqueous samples. The trip blank was analyzed for volatile organic compounds (VOC) by U.S. Environmental Protection Agency (EPA) SW-846 Method 8260. To document the effectiveness of decontamination protocols, rinsate blank samples were taken by running de-ionized water through decontaminated sampling equipment and into the appropriate sample containers and analyzing for the same parameters as the matrix 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 was also associated with Sites 1 and 3 and Eastern Plume.

B.1.2 Laboratory Analytical Quality Control Program

Sediment and aqueous samples collected from the monitoring sites were analyzed for Target Compound List (TCL) VOC by EPA SW-846 Method 8260; TCL semivolatile organic compounds (SVOC) by EPA SW-846 Method 8270; and Target Analyte List (TAL) metals, cyanide, and mercury by EPA SW-846 Method 6010, 9010, and 7470, respectively. The quality control measures specified in the SW-846 methodology (MS/MSD, SMC, LCS, and laboratory duplicates) as well as those in the QAPP, were used by the laboratory to establish proper analytical quality control.

The range of results for the data quality objective parameters are discussed for each sample matrix below.

B.2 SAMPLE HOLDING TIMES

The holding times from dates of sample collection to processing were compared against the maximum holding times identified in the quality control requirements of the referenced analytical methods. The holding times were met for all methods and sample matrixes.

B.3 PRECISION

B.3.1 Volatile Organic Compounds

Five VOC were used to quantify the MS/MSD RPD. The control limits identified in the QAPP were the same as those reported by the laboratory. The surface water, leachate seep, and monitoring well samples MS/MSD RPD were within the established control limits, therefore, analytical precision was determined to be acceptable and the usability of the data unaffected.

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

B.3.2 Semivolatile Organic Compounds

Eleven compounds were used to quantify the MS/MSD RPD. The control limits identified in the QAPP for sediment and water were the same as those reported by the laboratory.

The sediment sample MS/MSD RPD was within the laboratory established control limits with the exception of acenaphthylene (46 percent) and 4-nitrophenol (51 percent) in sample S9SD002 (SED-012). However, as both the MS and MSD recoveries were within the established control limits, usability of the data is not affected. The results are usable as reported.

B.3.3 Target Analyte List Metals (Including Cyanide)

All 24 analytes were used to quantify the laboratory duplicate RPD. There were no control limits identified in the QAPP for soil and water duplicate RPD for TAL metals, therefore, the laboratory control limits were used. The monitoring well samples and leachate seep samples duplicate RPD were within the laboratory control limits, therefore, analytical precision was determined to be acceptable and the usability of the data unaffected.

The sediment samples duplicate RPD were within the laboratory control limits, therefore, analytical precision was determined to be acceptable and the usability of the data unaffected.

B.4 ACCURACY

B.4.1 Volatile Organic Compounds

Three SMC were used to measure the ability of the laboratory to extract the target analytes from the environmental samples. The control limits for sediment samples identified in the QAPP and reported by the laboratory were different for all three SMC. The QAPP limits were: 1,2-dichloroethane (70-121 percent while the laboratory used 80-120 percent), bromofluorobenzene (59-113 percent while the laboratory used 74-121 percent), and toluene (84-138 percent while the laboratory used 81-117 percent). The quality control results were reviewed against both sets of control limits.

The surface water, leachate seep, and monitoring well samples SMC recoveries were within the laboratory established control limits and, therefore, the results are usable as reported.

The sediment sample SMC recoveries were within the laboratory established control limits and the control limits identified in the QAPP, with the following exceptions: bromofluorobenzene was below the lower control limit identified by the laboratory in samples S9LTSD1(LT-901), S9SDXD2 (LT-901 DUP), S9SD002RE (SED-012), S9SD001(SED-922), S9SD003 (SED-011), S9SD004 (SED-010), and S9SD001RE. However, only samples S9SDXD2 and S9SD001 were reported below the lower control limit identified in the QAPP. The SMC recovery for toluene-d8

was below the lower control limit identified by the laboratory and the QAPP in 1 sample (S9SD005RE [SED-919]). All of the results for the VOC in sample S9SD005RE should be considered biased low based on the low SMC recovery.

Five VOC 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. An MS/MSD was analyzed at the correct frequency for each matrix. The surface water, leachate seep, and monitoring well samples MS/MSD recoveries were within the established control limits, indicating no bias was introduced by the sample matrix.

The sediment sample MS/MSD recoveries were within the established control limits, indicating little or no bias was introduced by the sample matrix.

Five VOC were used to quantify the LCS recoveries against laboratory established control limits. No LCS recovery limits are stated in the QAPP. All aqueous and sediment samples LCS recoveries were within laboratory established control limits, confirming the laboratory's ability to perform analyte extraction.

B.4.2 Semivolatile Organic Compounds

Six SMC were used to measure the ability of the laboratory to extract the target analytes from the environmental samples. The aqueous SMC recoveries were within the established control limits and, therefore, the results are usable as reported.

The sediment SMC recoveries were within the established control limits with the exception of 2-fluorobiphenyl (33 percent) in sample S9SD002DL, which was below the lower control limit. As this is a dilution result and was the only SMC recovery outside of the control limits, the results are usable as reported.

Eleven compounds were used to quantify the MS/MSD recoveries against laboratory established control limits. The control limits established in the QAPP were the same as those reported by the laboratory. An MS/MSD was analyzed at the correct frequency for each matrix. The sediment samples MS/MSD recoveries were within the established control limits, indicating no bias was introduced by the sample matrix.

Eleven SVOC are used to quantify the LCS recoveries against laboratory established control limits for each spiking analyte. No LCS recovery limits are stated in the QAPP. The sediment LCS recoveries were within laboratory established control limits, confirming the laboratory's ability to perform sample extraction.

B.4.3 Target Analyte List Metals (Including Cyanide)

All 24 analytes are used to quantify MS recoveries against laboratory established control limits. All of the MS recoveries were analyzed at the correct frequency.

The ground-water and leachate seep aqueous sample MS recoveries were within the established control limits of 75-125 percent, with the exception of lead (67.0 percent) in sample S9QS003 (equipment rinsate blank). The laboratory should not have run an MS on the equipment rinsate blank, as it is not considered to be of the same matrix as the environmental samples and, therefore, cannot be used to evaluate the effects of matrix interference on the samples. However, the laboratory was not aware that this was the rinsate sample. Another MS sample associated with the Site 9 monitoring well aqueous samples was also run. All analytes were within the control limits, indicating no bias was introduced by the sample matrix.

The sediment sample MS recoveries for Sample S9LTSD1 (LT-901) were reported within the established control limits, with the following exceptions: antimony (72.2 percent), lead (71.7 percent), magnesium (34.4 percent), and manganese (71.7 percent). The MS recoveries for antimony, lead, magnesium, and manganese were reported below the lower control limits. The results for these 4 analytes in Sample S9LTSD1 should be considered biased low.

All 24 TAL analytes were used to quantify LCS recoveries against laboratory established control limits for each spiking analyte. The monitoring well, leachate seep, and sediment LCS recoveries were within laboratory established control limits, confirming the laboratory's ability to perform sample digestion/distillation.

B.5 COMPLETENESS

Two of the ground-water samples were not collected, resulting in a completeness level of 77 percent. All of the planned surface water and sediment samples were collected, resulting in a completeness level of 100 percent. All corresponding trip, rinsate, and source water blanks were collected, resulting in a completeness level of 100 percent.

B.6 FIELD QUALITY CONTROL BLANKS

Field quality control blanks (rinsate blanks) are evaluated for contamination that may have been introduced during the field sampling activities. Trip blanks are indicators for cross-contamination of VOC during sample shipment. In both cases where contamination exists, environmental samples should be reviewed for possible false-positives.

The field quality control blanks collected for this site included 3 trip blanks and 2 equipment rinsate blanks. One trip blank was collected in sample delivery group S9SW001, a second trip blank was collected in sample delivery group S9MW001, and a third trip blank was collected in association with the Eastern Plume site. This is acceptable as the Site 9 samples were shipped and stored with the Eastern Plume site samples. Two rinsate blanks were submitted with the surface water aqueous sample delivery group S9SW001. Rinsate blanks were not required for the ground-water aqueous sample delivery group since dedicated pumping systems were used to obtain the samples. One source water blank sample was collected under a separate sample delivery group.

All 3 trip blanks associated with Site 9 contained contaminants. Methylene chloride was reported in the method blanks associated with these samples. This compound is a common laboratory contaminant and was likely introduced in the laboratory, indicating that there is a potential for the reporting of false-positives for methylene chloride.

The results of the 3 trip blanks are shown in the following table:

Analyte	Units	S9QT003	EPQT004	S9QT005
Methylene chloride	µg/L	2JB	2JB	2JB
Acetone	µg/L	11	12	11
1,2-Dichloroethene	µg/L	(<2U)	1J	(<2U)

Methylene chloride results at the reported concentrations are potentially false-positives and should not be considered a contaminant. The presence of acetone and 1,2-dichloroethene indicate that there was a potential for low level contamination of these compounds. Low concentrations of these compounds (including methylene chloride) have the potential to be false-positives.

The equipment rinsate blanks associated with the surface water samples collected at Site 9 were analyzed for VOC and TAL analyte contaminants. The results of the 2 rinsate blanks (QS-003 and QS-004) and the associated source water blank (QD-001) are shown in the following table:

Analyte	Units	QS-003	QS-004	QD-001
Methylene chloride	µg/L	3B	3JB	2JB
Acetone	µg/L	15	12	8B
Tetrachloroethene	µg/L	(<2U)	(<2U)	4
Aluminum	µg/L	17.0B*	16.4B*	40.6B*
Barium	µg/L	1.0B*	0.30B*	0.62B*
Calcium	µg/L	(<14.2U)	14.7B*	94.8B*
Copper	µg/L	1.7B*	(<0.76U)	0.98B*
Iron	µg/L	42.4B*	(<25.4U)	(<25.4U)
Magnesium	µg/L	(<15.6U)	(<15.6U)	28.7B*
Manganese	µg/L	1.3B	0.69B*	0.83B*
Mercury	µg/L	0.10B*	(<0.10U)	(<0.10U)
Sodium	µg/L	52.1B*	83.5B*	44.9B*
Zinc	µg/L	(<6.8U)	9.7B*	(<6.8U)
Cyanide	µg/L	1.5B*.	(<1.3U)	(<1.3U)

The analytical results of the equipment rinsate blanks indicate that there was minor VOC contamination present. Methylene chloride was present in the field quality control as well as laboratory methods blanks, which indicates a high probability that low level concentrations of methylene chloride may actually be false-positives. Acetone was also identified in the rinsate blanks, indicating a probability of low level acetone contamination and the potential to report

low level false-positive acetone results. Detectable metal analysis results were not significantly above the background concentrations determined in the source water blank, with the exception of iron, manganese, sodium, and zinc. These slightly elevated results may be a result of sample solids and, therefore, are not significant.

B.7 DUPLICATE FIELD SAMPLES

Field duplicate samples are used to evaluate the overall precision of both the field and laboratory. Typically, these results have more variability than laboratory precision measurements (MS/MSD) 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 duplicate taken during the sampling event. The overall precision of organic compounds (non-detects were defined as one-half the Contract Required Quantitation Limit) were considered acceptable at an RPD of less than 30 percent for water and 50 percent for soil. Inorganic overall precision was measured by the difference of the field duplicate for analytes with concentrations less than 5 times the Contract Required Detection Limit, and by the RPD (less than 30 percent for water and 50 percent for soil) for the analytes greater than 5 times the Contract Required Detection Limit. Non-detects were defined as one-half the Contract Required Detection Limit for difference measurements. The Contract Required Quantitation Limits and Contract Required Detection Limits used to evaluate the data are based on those presented in the QAPP (ABB-ES 1994).

Field duplicate samples were not identified to the laboratory. Duplicate field samples were collected during the monitoring well ground-water sampling program, the surface water sampling program, leachate seep sampling program, and the sediment sampling program. Sample duplication was evaluated using the RPD between the original and duplicated results.

The RPD results from the duplicate monitoring well samples, duplicate surface water sample, duplicate sediment sample, and duplicate leachate seep sample are shown in the tables below.

The following table shows the duplicate ground-water sample results associated with sample delivery group S9SMW001:

Analyte	Units	MW-NASB-081	MW-NASB-081 Dup	RPD%	Difference
Aluminum	μg/L	24.0B*	26.0B*	NA	2.0
Barium	μg/L	27.0B*	28.2B*	4	NA
Cadmium	μg/L	0.36B*	0.25B*	NA	0.11
Calcium	μg/L	34,000	35,700	5	NA
Chromium	μg/L	2.1B*	2.6B*	NA	0.5
Cobalt	μg/L	0.78B*	(<0.71U)	NA	0.43
Copper	μg/L	2.6B*	1.9B*	NA	0.7
Iron	μg/L	(<25.4U)	41.3B*	NA	28.6
Lead	μg/L	1.2B*	(<1.1U)	NA	1.1
Magnesium	μg/L	2,150B*	2,220B*	NA	NA
Manganese	μg/L	876	938	7	NA
Mercury	μg/L	0.10B*	0.11B*	NA	0.01
Nickel	μg/L	3.5B*	3.6B*	NA	0.1
Potassium	μg/L	3,790B*	4,520B*	NA	730
Sodium	μg/L	30,000	30,100	0	NA
Zinc	μg/L	9.6B*	(<6.8U)	NA	6.2
Cyanide	μg/L	1.5B*	(<1.3U)	NA	0.9

All precision requirements were met, the results are usable as reported.

The following table shows the leachate seep sample results associated with sample delivery group S9QS003:

Analyte	Units	LT-901 (SEEP)	LT-901 Dup (SEEP)	RPD %	Difference
Methylene chloride	μg/L	(<3U)	2JB	67	NA
Aluminum	μg/L	4,090	275	NA	3,815
Arsenic	μg/L	4.1B*	(<3.4U)	NA	2.4
Barium	μg/L	50.5B*	23.4B*	NA	27.1
Cadmium	μg/L	0.44B*	(<0.21U)	NA	0.34
Calcium	μg/L	15,500	15,000	3	NA
Chromium	μg/L	12.3	0.83B*	NA	11.47
Cobalt	μg/L	2.0B*	(0.71U)	NA	1.65
Copper	μg/L	16.1B*	2.1B*	NA	14
Iron	μg/L	20,500	4,940	122	NA
Lead	μg/L	76.3	9.8	NA	66.5
Magnesium	μg/L	3,000B*	1,770B*	51	NA
Manganese	μg/L	196	123	47	NA
Mercury	μg/L	0.14B*	0.10B*	NA	0.04
Nickel	μg/L	8.6B*	(<1.2U)	NA	8.0
Potassium	μg/L	3,360B*	1,580	NA	1,780
Sodium	μg/L	26,500	27,900	5	NA
Vanadium	μg/L	18.6B*	2.3B*	NA	16.3
Zinc	μg/L	87.2	17.0B*	NA	70.2

All precision requirements were met with the exception of the following: methylene chloride, aluminum, magnesium, manganese, and iron. Methylene chloride was not detected in the sample and was detected below the Contract Required Quantitation Limit in the duplicate sample, where analytical measurement error is anticipated; therefore, this discrepancy is not considered significant. The results for aluminum, magnesium, and manganese may be due to the presence of solids in the samples and should not be considered significant. Iron should be considered an estimated value of the true concentration in all seep samples due to the large RPD.

he following table shows the leachate station sediment sample results associated with sample delivery group S9SD001:

Analyte	Units	LT-901 (SED)	LT-901 Dup (SED)	RPD %	Difference
Acetone	µg/L	25	62	85	NA
Methylene chloride	µg/L	15B	11	30	NA
1,2-Dichloroethane	µg/L	5	6	18	NA
Toluene	µg/L	(<2.6U)	2J	42	NA
Aluminum	µg/L	3,780	3,380	11.1	NA
Arsenic	µg/L	2.2	1.8	NA	0.4
Barium	µg/L	12.3B*	10.3B*	NA	2
Beryllium	µg/L	0.21B*	0.16B*	NA	0.05
Cadmium	µg/L	0.08B*	0.07B*	NA	0.01
Calcium	µg/L	640	919	36	NA
Chromium	µg/L	6.3	6.5	NA	0.2
Cobalt	µg/L	2.8B*	2.0B*	NA	0.8
Copper	µg/L	6.4	7.8	NA	1.4
Iron	µg/L	5,950	5,300	12	NA
Lead	µg/L	40.4	43.1	6.5	NA
Magnesium	µg/L	1,150	1,110	4	NA
Manganese	µg/L	55.5	51.1	8	NA
Mercury	µg/L	0.02B*	(<0.02U)	NA	0.1
Nickel	µg/L	6.8	6.0	NA	0.8
Potassium	µg/L	594	462B*	NA	132
Sodium	µg/L	67.2B*	72.5B*	NA	5.3
Vanadium	µg/L	12.1	9.9	NA	2.2
Zinc	µg/L	28.6	29.6	NA	1

All precision requirements, both organic and inorganic analyses, were met with the exception of acetone. The data user should consider the results for acetone in leachate station sediment samples as estimations of the true concentration due to a large difference between the duplicated sample analyses.

The following table shows the sample results associated with sediment sample delivery group S9SD001:

Analyte	Units	SED-011	SED-011 Dup	RPD %
Acetone	µg/kg	64B	41B	43.8
Methylene chloride	µg/kg	6B	4B	40.0
2-Butanone	µg/kg	19	(<7U)	140.0
Phenanthrene	µg/kg	(<530U)	1,100	122.0
Fluoranthene	µg/kg	(<530U)	2,300	159.0
Pyrene	µg/kg	(<530U)	1,700	146.0
Benzo(a)anthracene	µg/kg	(<530U)	720	92.0
Chrysene	µg/kg	(<530U)	1,000	116.0
Bis(2-ethylhexyl)phthalate	µg/kg	(<530U)	450J	52.0
Benzo(b)fluoranthene	µg/kg	(<530U)	1,200	128.0
Benzo(a)pyrene	µg/kg	(<530U)	480	58.0
Indeno(1,2,3-c,d)pyrene	µg/kg	(<530U)	300J	12.0
Benzo(g,h,i)perylene	µg/kg	(<530U)	350J	28.0

The precision requirements were not met for the sediment sample and its duplicate for the semivolatile analyses. Based on the sediment sample duplications performed by the laboratory for Sites 1 and 3, Eastern Plume, Building 95, and Site 9, it is the Reviewer's opinion that the extreme differences noted above are specific to this single sampling event. The data user should note that for this sample, all of the above analyte results (positives and non-detects) should be considered estimations of actual concentrations. It cannot be determined what caused the large discrepancy as all other laboratory quality controls met requirements. Homogeneity of sediment samples is typically a problem for field duplicate samples and may explain the gross discrepancy noted above.

Appendix C

Summary Tables for Analyses of Tentatively Identified Compounds

TABLE C-1 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS REPORTED IN GROUND-WATER SAMPLES COLLECTED ON 20 AND 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Retention Time (min)	MW-NASB-069 / MW-901	MW-NASB-071 / MW-903	MW-NASB-071 DUP / MW-903 DUP	MW-NASB-072 / MW-904	MW-NASB-074 / MW-906	MW-NASB-075 / MW-907	MW-NASB-076 / MW-908	MW-NASB-079 / MW-914	MW-NASB-079 DUP / MW-914 DUP	MW-NASB-080 / MW-915	MW-NASB-081 / MW-916	QT-007	QT-008
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)														
Alkane	22.41		7J											
Alkane	23.88		16J											

NOTE: J = Estimated concentration below detection limit.
QT = Trip blank.
Only those analytes detected in at least one of the samples are shown in this table.

TABLE C-2 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS REPORTED IN SEDIMENT SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9 NAVAL AIR STATION, BRUNSWICK, MAINE

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-006	QS-001	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg)											
C11H16 Isomer	21.52	8J									
C11H16 Isomer	21.58	8J									
Alkane	22.33					7J					
Alkane	23.50						6J				
C11H16 Isomer	23.54	25J									
C11H14 Isomer	23.99	10J									
Unknown Aromatic	24.01	11J									
C11H14 Isomer	24.35	7J									
C11H14 Isomer	25.29	21J									
Alkane	26.02						22J				
Benzoic acid, 2[(trimethylsily)ox	26.04					8JN					
Benzoic acid, 2[(trimethylsily)ox	26.07			11JN							
Diethyl Benzene Isomer	26.26		25J								
Alkane	26.44						9J				
C10H14 Isomer	26.47			20J							
C11H14 Isomer	26.52	29J									
C10H14 Isomer	26.49		41J								

(a) Reanalysis conducted on sample due to low recovery of surrogates.

NOTE: JN = Presumptive identification, estimated values.
J = Estimated concentration below concentration limit.
QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 15 February 1996.
QS = Source water blank. Samples assocated with QS-004 were analyzed under a separate sample delivery group shipped on the same day.
QT = Trip blank. Samples associated with QT-001 were analyzed under a separate sample delivery group shipped on the same day.
Only those analytes detected in at least one of the samples are shown on this table.

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-006	QS-001	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)											
C10H14 Isomer	26.93			46J							
C10H14 Isomer	26.95		130J								
C11H16 Isomer	27.23	43J									
Unknown	27.60						11J				
C10H14 Isomer	27.87			34J							
C11H16 Isomer	27.87		81J								
Alkane	27.88						15J				
Unknown	27.91					8J					
Alkane	27.94						17J				
C10H12 Isomer	28.02			17J							
C12H16 Isomer	28.03	41J									
Unknown Aomatic	28.06		37J								
C10H14 Isomer	28.38			40J							
C10H14 Isomer	28.40		120J								
Unknown	28.64						7J				
C11H16 Isomer	28.85			46J							
C10H14 Isomer	28.87		83J								
Alkane	28.95						19J				
Alkane	29.22						18J				
C10H14 Isomer	29.24			23J							
C10H14 Isomer	29.26		36J								
Alkane	29.46						11J				
Alkane	29.49					17J					
C10H14 Isomer	29.61			33J							
C10H12 Isomer	29.70		110J								

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-006	QS-001	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg)											
1-Hexene, 3,4-dinethyl	4.27			320JNB							
Alkane	4.53			340J							
Alkane	4.54		390J								
Unknown	4.91				5000J						
Unknown	4.95		5500J								
Unknown	4.96			5300J							
Unknown	4.97	4400JB									
Unknown	4.99					4600JB					
Unknown	5.00						4800JB				
2-Pentanone, 4-hydroxy-4-methyl-	5.56				66000JNA						
2-Pentanone, 4-hydroxy-4-methyl-	5.60		63000JN								
2-Pentanone, 4-hydroxy-4-methyl-	5.61			59000JNA							
2-Pentanone, 4-hydroxy-4-methyl-	5.62	49000J				51000JNA					
2-Pentanone, 4-hydroxy-4-methyl-	5.63						52000J				
Unknown	6.99				3000JB						
Unknown	7.00		3,100JB								
Unknown	7.01	2,400J		3,300J		2,700JB	2,500J				
Alkane	10.54				1,000J						
C10H14 Isomer	10.68		400J								
C10H14 Isomer	11.19		490J								
C10H14 Isomer	11.20			250J							
C10H14 Isomer	11.47		600J	350J							
Alkane	12.21				2,100J						
Alkane	12.44				900J						
Alkane	13.35				1,300J						
Alkane	13.76				2,900J						
Cyclohexane, (1-methylethyl)-	14.43				1,800JN						

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-006	QS-001	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)											
Alkane	15.19				5200J		380J				
Cyclohexane, hexyl-	15.90				1500JN						
Alkane	16.05				2700J						
9H-Fluorene	17.81			270JN							
Alkane	17.81						350J				
Phenol,4-(1,1,3,3-	17.98			500JN							
Phenol,4-(2,2,4-trimethylpentyl)-	17.98		1200JN								
Alkane	19.03				340J						
4H-Cyclopenta[def]phenanthrene	21.73				320JN						
4H-Cyclopenta[def]phenanthrene	21.74	200JN									
4H-Cyclopenta[def]phenanthrene	21.75						370JN				
9, 10-Anthracenedione	22.29			270JN							
9, 10-Anthracenedione	22.30						340JN				
Alkane	22.31				330J						
Unknown	22.42						760J				
Sulfur, mol. (s8)	23.02				290JN						
Unknown	23.55						340J				
PAH, MW=216	24.71	280J					380J				
PAH, MW=216	24.72			250J							
Unknown	25.90	600J									
PAH, MW=226	26.39						290J				
Cyclopenta[cd]pyrene	26.40			500JN							
Unknown	26.41		5500J								
Unknown	26.43	1200J									
Unknown	26.59		1800J								
Unknown Phthalate Ester	27.33					400J					

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-006	QS-001	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)											
PAH, MW=242	27.97						210J				
Alkane	27.99					490J					
Alkane	28.07					550J					
Unknown Phthalate Ester	28.20						1200J				
Alkane	28.21					1200J					
Unknown Phthalate Ester	28.21			760J							
Alkane	28.29					360J					
C20H40 Isomer	28.45		17000J								
Alkane	28.47	580J		2000J							
Unknown	28.47						660J				
Alkane	28.52					1300J					
Alkane	28.68					1100J					
Alkane	28.92			720J			1600J				
Alkane	28.93					3800J					
Hexadecanal	29.52		1400JN								
Unknown Phthalate Ester	29.76						1900J				
Alkane	29.95	1700J	5800J	3000J							
Alkane	29.97						1500J				
Alkane	31.35	880J									
Cyclooctacosane	31.41		5700JN								
Unknown	31.41			2700J	2700J						
.gamma.-Sitosterol	33.63		11000JN	9100JN							
.gamma.-Sitosterol	33.64						2800J				
.gamma.-Sitosterol	33.65	4800JN									
D-Friedoolean-14-en-3-one	33.67				6800JN						
Unknown	33.96		1200J								

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-011 DUP	SED-012[a]	SED-915	SED-919[a]	SED-922	QT-006	QS-001	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)											
.beta.-Amyrin	34.12				2000JN						
Unknown	34.33		4200J	1700J							
Unknown	34.34						1400J				
Unknown	34.35	4400J			17000J						
Unknown	34.59		3300J								
Unknown	34.60	1900J		4700J							
Unknown	34.61				3900J						
Unknown	35.07		3100J	2100J							
Unknown	35.91		2000J								
Unknown	36.24		760J								

TABLE C-3 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS REPORTED IN SEEP AND SEDIMENT SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Retention Time (min)	LT-901 (SEEP) (μg/L)	LT-901 (SEEP) DUP(μg/L)	LT-901 (SED)[a] (μg/kg)	LT-901 (SED)[a] DUP	QT-006 (μg/L)	QS-004 (SED) (μg/L)	QS-003 (SEEP) (μg/L)	QD-001 (μg/L)
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD SW-8260									
C10H14 Isomer	25.36			8J					

(a) Reanalysis conducted due to low surrogate recovery.

NOTE: J = Estimated concentration below detection limit.
QS = Equipment rinsate blank.
QT = Trip blank.
QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 15 February 1996.
Only those analytes detected in at least one of the samples are shown on this table.

TABLE C-4 SUMMARY OF TENTATIVELY IDENTIFIEDCOMPOUNDS REPORTED IN SURFACE WATER SAMPLES COLLECTED ON 21 FEBRUARY 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Retention Time (min)	SW-010	SW-011	SW-012	SW-915	SW-919	SW-922	QT-005	QS-003	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD SW-8260										
Alkane	26.03			5J						

NOTE: J = Estimated concentration below detection limit.
QS = Equipment rinsate blank. Equipment rinsate blank associated with leachate sediment samples was analyzed under a separate sample delivery group shipped the same day.
QT = Trip blank. Trip blank associated with leachate seep and sediment samples were analyzed under a separate sample delivery group shipped the same day.
QD = Source water blank.
Only those analytes detected in at least one of the samples are shown on this table.

Appendix D

Analytical Report Data Tables

D.1 Ground-Water Samples Site 9
D.2 Surface Water Samples Site 9
D.3 Sediment Samples Site 9
D.4 Leachate Seep and Sediment Samples Site 9

Appendix D.1

Ground-Water Samples
Site 9

APPENDIX D.1

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

Sample Designation	Sample Station
Monitoring Wells	
S9-MW006	MW-NASB-069
S9-MW001	MW-NASB-072
S9-MW002	MW-NASB-074
S9-MW004	MW-NASB-075
S9-MW003	MW-NASB-076
S9-MW007	MW-NASB-080
S9-MW005	MW-NASB-081
S9-MWXD1	MW-NASB-081 (DUP)

Site 9

BRUNSWICK NAVAL AIR STATION LONG-TERM MONITORING PLAN
FIELD SDG TRACKING

SDG No.: BN-05-S9-MW001

Sample Location No.	Sample ID	Date Sampled	QC
1. MW-NASB-072	BN-05-S9-MW001	2/20/96	MS/MSD
2 MW-NASB-074	BN-05-S9-MW002	2/20/96	
3. MW-NASB-076	BN-05-S9-MW003	2/20/96	~~Duplicate~~
4. MW-NASB-075	BN-05-S9-MW004	2/20/96	
5. ——	BN-05-EP-QT004	2/20/96	Trip Blank
6. MW-NASB-081	BN-05-S9-MW005	2/20/96	
7. MW-NASB-081	BN-05-S9-MWXD1	2/21/96	Duplicate
8. MW-NASB-069	BN-05-S9-MW006	2/21/96	
9. MW-NASB-080	BN-05-S9-MW007	2/21/96	
10. ——	BN-05-S9-QT005	2/21/96	~~Duplicate~~ Trip Blank
11.			
12			
13.			
14.			
15.			
16.			
17.			
18.			
19.			Trip Blank
20.			Other QC

Comments: No SDG shall exceed 20 samples. All samples that are duplicated should be entered as two samples towards the SDG sample total. MS/MSD samples are entered on a separate line than the sample on the chain-of-custody.

Example:

(DUPLICATE ENTRIES ON CHAIN-OF- CUSTODY)

1. BN-03-EP-MW001
2. BN-03-EP-MW002
3. BN-03-EP-MWXD1

MS/MSD ENTRIES ON CHAIN-OF-CUSTODY:

Example:

1. BN-03-EP-MW003
2. BN-03-EP-MW003 MS/MSD

Katahdin
ANALYTICAL SERVICES

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

CHAIN of CUSTODY

* PLEASE PRINT IN PEN

Client: EA Engineering | Contact: Mike Battle | Phone #: 914 565-8100 | Fax #: 914 565-8203

Address: 3 Washington Center | City: Newburgh | State: NY | Zip Code: 12550

P.O. #: 29600.47/7200 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above): 29600.47 / 7200 | Address: NAS Brunswick LTMP

Sample (Print/Sign): Karen A. Ruszczyk / Karen A. Ruszczyk | Copies To:

LAB USE ONLY | WORK ORDER #: WM0213

KATAHDIN PROJECT MANAGER _____

REMARKS: _____

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO: _____

TEMP°C 3 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOAs/VOCs HCl	Cyanide - 1L NaOH	Tot Elements - 1L HNO3							
1	BN-05-S9-MW001 MS/MSD	2/20/96 1207	Water	N	6	X									
1	BN-05-S9-MW001 MS	2/20/96 1207	H_2O	N	4		X	X							
2	BN-05-S9-MW002	2/20/96 1154	H_2O	N	2	X									
3	BN-05-S9-MW003	2/20/96 1330	H_2O	N	2	X									
4	BN-05-S9-MW004	2/20/96 1327	H_2O	N	2	X									
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: VOAs by 8260, plus library search. Tot Elements and Cyanide refer to Table 7-1 in QAPP. TRIP BN-05-EP-QT004 included with VOAs. Start of SDG is # BN-05-S9-MW001.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Anderson	2/21/96 0730	Deborah J. Nadeau	Deborah J. Nadeau	2/21/96 840	[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 04098
Tel: (207) 874-2400

CHAIN of CUSTODY

PLEASE PRINT IN PEN

Page 1 of 1

Client: EA Engineering | Contact: Mike Battle | Phone #: 914 565-8100 | Fax #: 914 565-8203

Address: 3 Washington | City: Newburgh | State: NY | Zip Code: 12550

P.O. #: 29600477200 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

Sample (Print/Sign): Karen A. Rusczyk, Karen A. Rusczyk | Copies To:

LAB USE ONLY WORK ORDER #: WM0322

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 3.3 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOCs/VOA HCl	Cyanide 1L NaOH	Tal Elements 1L HNO3							
X 1	BN-05-S9-MW005	2/21/96/1322	H_2O	N	4	X	X	X							
1 4	BN-05-S9-MW006	2/21/96/1448	H_2O	N	2	X		X							
X 2	BN-05-S9-MW007	2/21/96/1320	H_2O	N	4	X	X	X							
X 3	BN-05-S9-MWXD1	2/21/96/—	H_2O	N	4	X	X	X							
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: VOAs by 8260, plus library search. Tal Elements and Cyanide refer to Table 7-1 in QAPP. Trip BN-05-S9-QT005 is included with VOAs. BN-05-S9-MW007 EMS SDG# BN-05-S9-MW221

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Linden	2/22/96 0732	Deborah J. Nadeau	Deborah J. Nadeau	2/22/96 835	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-4
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW006	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/26/96	TG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/26/96	TG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB26VLW1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-4
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW006	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/26/96	TG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/26/96	TG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/26/96	TG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/26/96	TG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/26/96	TG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB26VLW1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-4
Report Date: 03/14/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW006	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	101.	%	1.0		EPA 8260	02/26/96	TG	
Toluene-d8 (Surr.)	102.	%	1.0		EPA 8260	02/26/96	TG	
p-Bromofluorobenzene (Surr.)	104.	%	1.0		EPA 8260	02/26/96	TG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/26/96	TG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB26VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW006

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0322-4
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0977.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/26/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)
Number of TIC's Found:	0	CONCENTRATION UNITS (ug/L or ug/KG)	ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-1
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW001	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Vinyl chloride	4.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/28/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/28/96	DW	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB28VLW1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-1
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW001	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/28/96	DW	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/28/96	DW	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/28/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/28/96	DW	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB28VLW1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-1
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW001	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	101.	%	1.0		EPA 8260	02/28/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	02/28/96	DW	
p-Bromofluorobenzene (Surr.)	100.	%	1.0		EPA 8260	02/28/96	DW	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW001

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0313-1
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I1122.D
Level: (low/med)	low	Date Received:	2/21/96
% Moisture: not dec.	N/A	Date Analyzed:	2/28/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)
Number of TIC's Found:	0	CONCENTRATION UNITS (ug/L or ug/KG)	ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW001

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00

Matrix (soil/water): WATER Lab Sample ID: WM0313-1

Level (low/med): LOW__ Date Received: 02/21/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	33.4	B		P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	6.1	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium__	0.21	U		P
7440-70-2	Calcium__	16900			P
7440-47-3	Chromium_	0.78	B		P
7440-48-4	Cobalt___	0.71	U		P
7440-50-8	Copper___	0.76	U		P
7439-89-6	Iron____	102			P
7439-92-1	Lead____	1.1	U		P
7439-95-4	Magnesium	4520	B		P
7439-96-5	Manganese	112			P
7439-97-6	Mercury__	0.17	B		CV
7440-02-0	Nickel___	1.2	U		P
7440-09-7	Potassium	913	B		P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	6760			P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	0.90	U		P
7440-66-6	Zinc____	6.8	U		P
	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0313-2
Report Date: 03/14/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW002	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Vinyl chloride	3.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/21/96	LG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/21/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Total 1,2-Dichloroethene	9.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB21VLW2

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-2
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW002	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/21/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/21/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/21/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/21/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB21VLW2

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-2
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW002	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	97.	%	1.0		EPA 8260	02/21/96	LG	
Toluene-d8 (Surr.)	96.	%	1.0		EPA 8260	02/21/96	LG	
p-Bromofluorobenzene (Surr.)	92.	%	1.0		EPA 8260	02/21/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB21VLW2

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW002

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0313-2
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	F5577.D
Level: (low/med)	low	Date Received:	2/21/96
% Moisture: not dec.	N/A	Date Analyzed:	2/21/96
GC Column:	RTX-624 ID: 0.18	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-4
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW004	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Vinyl chloride	12.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/28/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/28/96	DW	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Total 1,2-Dichloroethene	J1	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB28VLW1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 436-6767 Fax: (603) 436-3356

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-4
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW004	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/28/96	DW	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/28/96	DW	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/28/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/28/96	DW	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0313-4
Report Date: 03/14/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW004	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/28/96	DW	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
Dibromofluoromethane (Surr.)	102.	%	1.0		EPA 8260	02/28/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	02/28/96	DW	
p-Bromofluorobenzene (Surr.)	104.	%	1.0		EPA 8260	02/28/96	DW	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/28/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB28VLW1

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

210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 431-5772 Fax: (603) 436-3356

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW004

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0313-4
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I1123.D
Level: (low/med)	low	Date Received:	2/21/96
% Moisture: not dec.	N/A	Date Analyzed:	2/28/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-3
Report Date: 03/14/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW003	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Vinyl chloride	10.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/21/96	LG	
Acetone	JB3	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/21/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Total 1,2-Dichloroethene	J1	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB21VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-3
Report Date: 03/14/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW003	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/21/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/21/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/21/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/21/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB21VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0313-3
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW003	Aqueous	K. RUSCZYK	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/21/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
Dibromofluoromethane (Surr.)	100.	%	1.0		EPA 8260	02/21/96	LG	
Toluene-d8 (Surr.)	103.	%	1.0		EPA 8260	02/21/96	LG	
p-Bromofluorobenzene (Surr.)	97.	%	1.0		EPA 8260	02/21/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/21/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB21VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW003

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0313-3
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	F5578.D
Level: (low/med)	low	Date Received:	2/21/96
% Moisture: not dec.	N/A	Date Analyzed:	2/21/96
GC Column:	RTX-624 ID: 0.18	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0322-2
Report Date: 03/14/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW007	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	4.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	59.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	J1	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-2
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW007	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0322-2
Report Date: 03/14/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW007	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Dibromofluoromethane (Surr.)	102.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	101.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) [illegible] Fax: (603) 436-3356

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW007

Lab Name: Katahdin ASI
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM0322-2
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0961.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/24/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW007

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00

Matrix (soil/water): WATER Lab Sample ID: WM0322-2

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	132	B		P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	826			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.21	U		P
7440-70-2	Calcium__	49400			P
7440-47-3	Chromium_	3.9	B		P
7440-48-4	Cobalt___	2.7	B		P
7440-50-8	Copper___	1.2	B		P
7439-89-6	Iron____	4930			P
7439-92-1	Lead____	1.4	B		P
7439-95-4	Magnesium	3130	B		P
7439-96-5	Manganese	193			P
7439-97-6	Mercury__	0.11	B		CV
7440-02-0	Nickel___	6.8	B		P
7440-09-7	Potassium	5760			P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	16300			P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	1.0	B		P
7440-66-6	Zinc____	15.2	B		P
	Cyanide__	1.5	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-1
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW005	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-1
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW005	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-1
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW005	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	100.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW005

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0322-1
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0960.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/24/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)
Number of TIC's Found:	0	CONCENTRATION UNITS (ug/L or ug/KG)	ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW005

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00

Matrix (soil/water): WATER Lab Sample ID: WM0322-1

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	24.0	B		P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	27.0	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.36	B		P
7440-70-2	Calcium__	34000			P
7440-47-3	Chromium_	2.1	B		P
7440-48-4	Cobalt___	0.78	B		P
7440-50-8	Copper___	2.6	B		P
7439-89-6	Iron____	25.4	U		P
7439-92-1	Lead____	1.2	B		P
7439-95-4	Magnesium	2150	B		P
7439-96-5	Manganese	876			P
7439-97-6	Mercury__	0.10	B		CV
7440-02-0	Nickel___	3.5	B		P
7440-09-7	Potassium	3790	B		P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	30000			P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	0.90	U		P
7440-66-6	Zinc____	9.6	B		P
	Cyanide__	1.5	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-3
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MWXD1	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

210 West Road No. 5, Portsmouth, NH 03801
Tel: (603) 436-3557 Fax: (603) 436-3356

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-3
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MWXD1	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0322-3
Report Date: 03/14/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MWXD1	Aqueous	K. RUSCZYK	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	101.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/14/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MWXD1

Lab Name	Katahdin ASI	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM0322-3
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0962.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/24/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MWXD1

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00

Matrix (soil/water): WATER Lab Sample ID: WM0322-3

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	26.0	B		P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	28.2	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.25	B		P
7440-70-2	Calcium__	35700			P
7440-47-3	Chromium_	2.6	B		P
7440-48-4	Cobalt___	0.71	U		P
7440-50-8	Copper___	1.9	B		P
7439-89-6	Iron____	41.3	B		P
7439-92-1	Lead____	1.1	U		P
7439-95-4	Magnesium	2220	B		P
7439-96-5	Manganese	938			P
7439-97-6	Mercury__	0.11	B		CV
7440-02-0	Nickel___	3.6	B		P
7440-09-7	Potassium	4520	B		P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	30100			P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	0.90	U		P
7440-66-6	Zinc____	6.8	U		P
	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0314-5
Report Date: 03/11/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
EPQT004	Aqueous	T. CAREY	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/23/96	DW	
Acetone	12.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	DW	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,2-Dichloroethane	J1	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/11/96

LJO/jcbeaw/djn/gbp (dw) /kwh
MB23VLW1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0314-5
Report Date: 03/11/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
EPQT004	Aqueous	T. CAREY	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	DW	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	DW	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	DW	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbeaw/djn/gbp(dw)/kwh
MB23VLW1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0314-5
Report Date: 03/11/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
EPQT004	Aqueous	T. CAREY	02/20/96	02/21/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Dibromofluoromethane (Surr.)	98.	%	1.0		EPA 8260	02/23/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	02/23/96	DW	
p-Bromofluorobenzene (Surr.)	102.	%	1.0		EPA 8260	02/23/96	DW	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/11/96

LJO/jcbeaw/djn/gbp(dw)/kwh
MB23VLW1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: EPQT004

Lab Name: Katahdin ASI
SDG No.: EPMW018
Matrix (soil/water): Water
Lab Sample ID: WM0314-5
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0940.D
Level: (low/med) low
Date Received: 2/21/96
% Moisture: not dec. N/A
Date Analyzed: 2/23/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	11.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gtp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT005

Lab Name	Katahdin ASI	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM0320-8
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0955.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/23/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Appendix D.2

Surface Water Samples
Site 9

APPENDIX D.2

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

Sample Designation	Sample Station
Surface Water Samples	
S9-SW004	SW-010
S9-SW003	SW-011
S9-SW002	SW-012
S9-SW006	SW-915
S9-SW005	SW-919
S9-SW001	SW-922

SITE 9 - Surface WATER

BRUNSWICK NAVAL AIR STATION LONG-TERM MONITORING PLAN
FIELD SDG TRACKING

SDG No.: BN-05-S9-QS 003

Sample Location No.	Sample ID	Date Sampled	QC
1. Rinsate - Bed Bottle	BN-05-S9-QS003	2/21/96	~~MS/MSD~~ RA Dedicated Bottle Rinsate
2 Rinsate - Soil gear	BN-05-S9-QS004		~~Dedicated~~ Soil collecti gear Rinsate
3. SW022	BN-05-S9-~~B~~ SW001		~~Duplicate~~ RA
4. SW012	BN-05-S9-SW002		
5. SW011	BN-05-S9-SW003		
6. SW010	BN-05-S9-SW004		
7. SW919	BN-05-S9-SW005		
8. SW915	BN-05-S9-SW006		
9. LT901	BN-05-S9-LT001	2/21/96	MS/MSD
10. LT901	BN-05-S9-SDXD1	2/21/96	Duplicate
11. TRIP	BN-05-S9-QT005	2/21/96	TRIP
12			
13.			
14.			
15.			
16.			
17.			
18.			
19.			Trip Blank
20.			Other QC

Comments: No SDG shall exceed 20 samples. All samples that are duplicated should be entered as two samples towards the SDG sample total. MS/MSD samples are entered on a separate line than the sample on the chain-of-custody.

Example:
(DUPLICATE ENTRIES ON CHAIN-OF- CUSTODY)
1. BN-03-EP-MW001
2. BN-03-EP-MW002
3. BN-03-EP-MWXD1

MS/MSD ENTRIES ON CHAIN-OF-CUSTODY:
Example:
1. BN-03-EP-MW003
2. BN-03-EP-MW003 MS/MSD

Katahdin ANALYTICAL SERVICES

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

CHAIN of CUSTODY

* PLEASE PRINT IN PEN

Client: Et Engineering | Contact: Mike Battle | Phone #: 914 565-8100 | Fax #: 914 565-8203

Address: 3 Washington Center | City: Newburgh | State: NY | Zip Code: 12550

P.O. #: 2960047/17200 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

Sample (Print/Sign): Brian Andersen / Brian D. Andersen | Copies To:

LAB USE ONLY | WORK ORDER #: WM0370

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 3.3 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOCs / VOA HCL	TAL Elements / 1L HNO3	CN / 1L NaOH	SVOC / 1L None						
X 9	BN-05-S9-QS003	2/21/96 0800	H2O	N	4	X	X	X							
X 11	BN-05-S9-QS004	2/21/96/0815	H2O	N	5	X	X	X	X						
✓ 2	BN-05-S9-SW001	2/21/96/0855	H2O	N	2	X									
✓ 3	BN-05-S9-SW002	2/21/96/0920	H2O	N	2	X									
✓ 4	BN-05-S9-SW003	2/21/96 0933	H2O	N	2	X									
✓ 5	BN-05-S9-SW004	2/21/96 0947	H2O	N	2	X									
✓ 6	BN-05-S9-SW005	2/21/96/1010	H2O	N	2	X									
✓ 7	BN-05-S9-SW006	2/21/96/1020	H2O	N	2	X									
X 1	BN-05-S9-LT001 MS/MSD	2/21/96/1038	H2O	N	6	X									
8	BN-05-S9-QT005	2/21/96/0800	H2O	N	2	X									
✓ 1	BN-05-S9-LT001 MS	2/21/96/1038	H2O	N	4		X	X							
		/													
		/													
		/													
X 10	BN-05-S9-SWXD1	2/21/96/ —	H2O	N	4	X	X	X							
		/													

COMMENTS: VOAs by 8260 plus library Search, TAL Elements and Cyanide refer to Table 7-1 in QAPP. SVOCs, [Start SDG with BN05-S9-QS003. SDG ends with BN-05-S9-LT001]

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Andersen	2/22/96 0732	Deborah J. Nadeau	Deborah J. Nadeau	2/22/96 835	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-5
Report Date: 03/13/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	10.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-5
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-5
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Dibromofluoromethane (Surr.)	112.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	108.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW004

Lab Name: Katahdin ASI
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM0320-5
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0965.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/24/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-4
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW003	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	10.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-4
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW003	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	3.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-4
Report Date: 03/13/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW003	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	106.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	108.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW003

Lab Name	Katahdin ASI	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM0320-4
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0964.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/24/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-3
Report Date: 03/13/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW002	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	DW	
Acetone	11.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	DW	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-3
Report Date: 03/13/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW002	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	DW	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	DW	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	DW	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Toluene	2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	DW	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-3
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW002	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Total Xylenes	J2	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
Dibromofluoromethane (Surr.)	102.	%	1.0		EPA 8260	02/24/96	DW	
Toluene-d8 (Surr.)	98.	%	1.0		EPA 8260	02/24/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/24/96	DW	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW002

Lab Name: Katahdin ASI

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM0320-3

Sample wt/vol: 5 (g/ml) ml

Lab File ID: I0963.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. N/A

Date Analyzed: 2/24/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 1

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Alkane	26.03	5	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-7
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW006	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	14.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-7
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW006	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	3.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-7
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW006	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	99.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	103.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	107.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW006

Lab Name: Katahdin ASI

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM0320-7

Sample wt/vol: 5 (g/ml) ml

Lab File ID: I0967.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. N/A

Date Analyzed: 2/24/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-6
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
Acetone	12.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/24/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-6
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/24/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/24/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/24/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Toluene	2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/24/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-6
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	109.	%	1.0		EPA 8260	02/24/96	LG	
Toluene-d8 (Surr.)	97.	%	1.0		EPA 8260	02/24/96	LG	
p-Bromofluorobenzene (Surr.)	104.	%	1.0		EPA 8260	02/24/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/24/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW005

Lab Name: Katahdin ASI

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM0320-6

Sample wt/vol: 5 (g/ml) ml

Lab File ID: I0966.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. N/A

Date Analyzed: 2/24/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-2
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW001	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	DW	
Acetone	11.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	DW	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-2
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW001	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	DW	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	DW	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	DW	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Toluene	J1	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-2
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW001	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Total Xylenes	J1	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.0		EPA 8260	02/23/96	DW	
Toluene-d8 (Surr.)	104.	%	1.0		EPA 8260	02/23/96	DW	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	02/23/96	DW	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW001

Lab Name: Katahdin ASI

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM0320-2

Sample wt/vol: 5 (g/ml) ml

Lab File ID: I0946.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. N/A

Date Analyzed: 2/23/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	11.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT005

Lab Name: Katahdin ASI

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM0320-8

Sample wt/vol: 5 (g/ml) ml

Lab File ID: I0955.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. N/A

Date Analyzed: 2/23/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-9
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B. ANDERSEN	02/20/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	B3	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	15.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-9
Report Date: 03/13/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B. ANDERSEN	02/20/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-9
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B. ANDERSEN	02/20/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	102.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: ~~S9QT003~~ S9QS003

Lab Name	Katahdin ASI	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM0320-9
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0956.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/23/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/17/96	LG	
Acetone	B8	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/17/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/17/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/17/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/17/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/17/96	LG	
Tetrachloroethene	4.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Dibromofluoromethane (Surr.)	97.	%	1.0		EPA 8260	02/17/96	LG	
Toluene-d8 (Surr.)	107.	%	1.0		EPA 8260	02/17/96	LG	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	02/17/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: SIQD001

Lab Name: Katahdin ASI

SDG No.: S1QT001

Matrix (soil/water): Water

Lab Sample ID: WM0296-16

Sample wt/vol: 5 (g/ml) ml

Lab File ID: F5495.D

Level: (low/med) low

Date Received: 2/16/96

% Moisture: not dec. N/A

Date Analyzed: 2/17/96

GC Column: RTX-624 ID: 0.18

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

Appendix D.3

Sediment Samples
Site 9

APPENDIX D.3

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

Sample Designation	Sample Station
Sediment Samples	
S9-SD004	SED-010
S9-SD003	SED-011
S9-SDXD1	SED-011 (DUP)
S9-SD002	SED-012
S9-SD006	SED-915
S9-SD005	SED-919
S9-SD001	SED-922

SITE 9 - SEDIMENT

BRUNSWICK NAVAL AIR STATION LONG-TERM MONITORING PLAN
FIELD SDG TRACKING

SDG No.: BN-05-S9-SD001

Sample Location No.	Sample ID	Date Sampled	QC
1. SED-922	BN-05-S9-SD001	2-21-96	~~MS/MSD~~
2 SED-012	BN-05-S9-SD002	2-21-96	MS/MSD
3. SED-011	BN-05-S9-SD003	2-21-96	~~Duplicate~~ Duplicate
4. SED-011	BN-05-S9-SDXD1	2-21-96	
5. SED-010	BN-05-S9-SD004	2-21-96	
6. SED-919	BN-05-S9-SD005	2-21-96	
7. SED-915	BN-05-S9-SD006	2-21-96	
8. Trip	BN-05-S9-QT005	2-21-96	
9.			
10.			Duplicate
11.			
12			
13.			
14.			
15.			
16.			
17.			
18.			
19.			Trip Blank
20.			Other QC

Comments: No SDG shall exceed 20 samples. All samples that are duplicated should be entered as two samples towards the SDG sample total. MS/MSD samples are entered on a separate line than the sample on the chain-of-custody.

Example:

(DUPLICATE ENTRIES ON CHAIN-OF- CUSTODY)

1. BN-03-EP-MW001
2. BN-03-EP-MW002
3. BN-03-EP-MWXD1

MS/MSD ENTRIES ON CHAIN-OF-CUSTODY:

Example:

1. BN-03-EP-MW003
2. BN-03-EP-MW003 MS/MSD

Katahdin ANALYTICAL SERVICES

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

CHAIN of CUSTODY

* PLEASE PRINT IN PEN

Client: EA Engineering
Contact: Mike Battle
Phone #: (914) 565-8100
Fax #: (914) 565-8203
Address: 3 Washington Center
City: Newburgh
State: NY
Zip Code: 12550
P.O. #: 29600.47 7200
Proj. Name/No.: NAS Brunswick LTMP
Bill (if different than above):
Address:
Sample (Print/Sign): Robert J. Hamas Robert J. Hamas
Copies To:

LAB USE ONLY
WORK ORDER #: WM0323
KATAHDIN PROJECT MANAGER
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C 3.3 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOCs / VOA Soil / None	SVOCs / SVOC Soil / None
7	BN-05-S9-SD001	2/21/96/0901	SED	N	1	X	
1	BN-05-S9-SD002 MS/MSD	2/21/96/0923	SED	N	4	X	X
2	BN-05-S9-SD003	2/21/96/0935	SED	N	2	X	X
3	BN-05-S9-SD004	2/21/96/0951	SED	N	2	X	X
4	BN-05-S9-SD005	2/21/96/1013	SED	N	2	X	X
5	BN-05-S9-SD006	2/21/96/1025	SED	N	2	X	X
6	BN-05-S9-SDXD1	2/21/96/—	SED	N	2	X	X

COMMENTS: VOAs by 8260 plus library search. SVOCs refer to Table 7.1 in QAPP. Trip BN-05-S9-QT005 included with VOAs. BN-05-S9-SD001 start of SDG and BN-05-S9-SD006 ends SDG.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Andrews	2/22/96 1732	Deborah J. Nadeau	Deborah J. Nadeau	2/23/96 835	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Chloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Bromomethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Methylene chloride	B14	µg/kgdrywt	1.4	3.0	EPA 8260	03/02/96	DW	
Acetone	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Carbon disulfide	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Total 1,2-Dichloroethene	8.	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Chloroform	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
1,2-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
2-Butanone	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.
(3) **Surrogate recoveries are below acceptance limits.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Carbon tetrachloride	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Bromodichloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
1,2-Dichloropropane	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	03/02/96	DW	
cis-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Trichloroethene	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	03/02/96	DW	
Dibromochloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
1,1,2-Trichloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Benzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
trans-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Bromoform	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	03/02/96	DW	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	03/02/96	DW	
Tetrachloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/glop(dw)/kwh
MC02VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,2,2-Tetrachloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Toluene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Chlorobenzene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/02/96	DW	
Ethylbenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Styrene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Total Xylenes	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
Dibromofluoromethane (Surr.)	109.	%	1.4		EPA 8260	03/02/96	DW	
Toluene-d8 (Surr.)	94.	%	1.4		EPA 8260	03/02/96	DW	
p-Bromofluorobenzene (Surr.)	**66	%	1.4		EPA 8260	03/02/96	DW	
1,2-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
1,3-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	
1,4-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD004

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM0323-3
Sample wt/vol: 5 (g/ml) g
Lab File ID: I1120.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. 26
Date Analyzed: 3/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 1
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	26.10	8	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Reanalysis								
Chloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Bromomethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Methylene chloride	B7	µg/kgdrywt	1.4	3.0	EPA 8260	03/03/96	AR	
Acetone	B24	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Carbon disulfide	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	03/03/96	AR	
1,1-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Total 1,2-Dichloroethene	8.	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Chloroform	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
1,2-Dichloroethane	J2	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	J7	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
1,1,1-Trichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Carbon tetrachloride	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Bromodichloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
1,2-Dichloropropane	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	03/03/96	AR	
cis-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Trichloroethene	J2	µg/kgdrywt	1.4	2.5	EPA 8260	03/03/96	AR	
Dibromochloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
1,1,2-Trichloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Benzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
trans-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Bromoform	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	03/03/96	AR	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Tetrachloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
1,1,2,2-Tetrachloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Toluene	J3	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Chlorobenzene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	03/03/96	AR	
Ethylbenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Styrene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Total Xylenes	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
Dibromofluoromethane (Surr.)	108.	%	1.4		EPA 8260	03/03/96	AR	
Toluene-d8 (Surr.)	94.	%	1.4		EPA 8260	03/03/96	AR	
p-Bromofluorobenzene (Surr.)	75.	%	1.4		EPA 8260	03/03/96	AR	
1,2-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
1,3-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	
1,4-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD004RE

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM0323-3RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: I1135.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. 26
Date Analyzed: 3/3/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)
Number of TIC's Found: 10
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C11H16 Isomer	21.52	8	J
2.	C11H16 Isomer	21.58	8	J
3.	C11H16 Isomer	23.54	25	J
4.	C11H14 Isomer	23.99	10	J
5.	Unknown Aromatic	24.01	11	J
6.	C11H14 Isomer	24.35	7	J
7.	C11H14 Isomer	25.29	21	J
8.	C11H14 Isomer	26.52	29	J
9.	C11H16 Isomer	27.23	43	J
10.	C12H16 Isomer	28.03	41	J
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2
Phenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethyl)ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Chlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,3-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,4-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,2-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroisopropyl) ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
n-Nitroso-dipropylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachloroethane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Nitrobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Isophorone	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dimethylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethoxy)methane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,2,4-Trichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Naphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Chloroaniline	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachlorobutadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Chloro-3-methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Methylnaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachlorocyclopentadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4,6-Trichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
2-Chloronaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Acenaphthylene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,6-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
3-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
Acenaphthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
4-Nitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
Dibenzofuran	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Diethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Chlorophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Fluorene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
n-Nitrosodiphenylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Pentachlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
Phenanthrene	1100.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Anthracene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Carbazole	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Di-n-butylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Fluoranthene	1700.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Pyrene	1200.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Butyl benzylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
3,3'-Dichlorobenzidine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(a)anthracene	790.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Chrysene	690.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Ethylhexyl)phthalate	J250	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Di-n-octylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-3
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	1100.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(k)fluoranthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(a)pyrene	J450	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Indeno(1,2,3-cd)pyrene	J390.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Dibenzo(a,h)anthracene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(g,h,i)perylene	480.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Fluorophenol (% Recovery)	78.	%	1.4		EPA 8270B	03/01/96	TM	
Phenol-d5 (% Recovery)	80.	%	1.4		EPA 8270B	03/01/96	TM	
Nitrobenzene-d5 (% Recovery)	69.	%	1.4		EPA 8270B	03/01/96	TM	
2-Fluorobiphenyl (% Recovery)	81.	%	1.4		EPA 8270B	03/01/96	TM	
2,4,6-Tribromophenol (% Recovery)	71.	%	1.4		EPA 8270B	03/01/96	TM	
Terphenyl-d14 (% Recovery)	78.	%	1.4		EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD004

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-3

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z9987

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 26 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 3/1/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 13

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.97	4400	JB
2.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.62	49000	JNAB
3.		Unknown	7.01	2400	J
4.	203645	4H-Cyclopenta[def]phenanthrene	21.74	200	JN
5.		PAH, MW=216	24.71	280	J
6.		Unknown	25.90	600	J
7.		Unknown	26.43	1200	J
8.		Alkane	28.47	580	J
9.		Alkane	29.95	1700	J
10.		Alkane	31.35	880	J
11.	83476	.gamma.-Sitosterol	33.65	4800	JN
12.		Unknown	34.35	4400	J
13.		Unknown	34.60	1900	J
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Chloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Bromomethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Vinyl chloride	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Chloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Methylene chloride	B16	µg/kgdrywt	1.6	3.0	EPA 8260	03/02/96	DW	
Acetone	52.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Carbon disulfide	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethene	<1.6	µg/kgdrywt	1.6	1.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Total 1,2-Dichloroethene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Chloroform	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
1,2-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
2-Butanone	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.
(3) **Surrogate recoveries are below acceptance limits.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Carbon tetrachloride	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Bromodichloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
1,2-Dichloropropane	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	03/02/96	DW	
cis-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Trichloroethene	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	03/02/96	DW	
Dibromochloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
1,1,2-Trichloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Benzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
trans-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Bromoform	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
4-Methyl-2-pentanone	<4.8	µg/kgdrywt	1.6	3.0	EPA 8260	03/02/96	DW	
2-Hexanone	<6.4	µg/kgdrywt	1.6	4.0	EPA 8260	03/02/96	DW	
Tetrachloroethene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,2,2-Tetrachloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Toluene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Chlorobenzene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/02/96	DW	
Ethylbenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Styrene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Total Xylenes	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
Dibromofluoromethane (Surr.)	108.	%	1.6		EPA 8260	03/02/96	DW	
Toluene-d8 (Surr.)	91.	%	1.6		EPA 8260	03/02/96	DW	
p-Bromofluorobenzene (Surr.)	**65	%	1.6		EPA 8260	03/02/96	DW	
1,2-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
1,3-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	
1,4-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD003

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM0323-2
Sample wt/vol: 5 (g/ml) g
Lab File ID: I1119.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. 38
Date Analyzed: 3/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 10
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	3789-85-3	Benzoic Acid, 2-[(trimethylsilyl)ox	26.07	10	JN
2.		Diethyl Benzene Isomer	26.23	19	J
3.		C10H14 Isomer	26.47	27	J
4.		C10H14 Isomer	26.91	80	J
5.		C11H16 Isomer	27.83	58	J
6.		C11H16 Isomer	28.06	25	J
7.		C10H14 Isomer	28.39	79	J
8.		C11H16 Isomer	28.85	69	J
9.		C10H14 Isomer	29.23	24	J
10.		C10H14 Isomer	29.62	61	J
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Reanalysis								
Chloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Bromomethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Vinyl chloride	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Chloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Methylene chloride	B6	µg/kgdrywt	1.6	3.0	EPA 8260	03/03/96	AR	
Acetone	B64	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Carbon disulfide	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,1-Dichloroethene	<1.6	µg/kgdrywt	1.6	1.0	EPA 8260	03/03/96	AR	
1,1-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Total 1,2-Dichloroethene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Chloroform	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
1,2-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
2-Butanone	19.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Carbon tetrachloride	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Bromodichloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,2-Dichloropropane	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	03/03/96	AR	
cis-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Trichloroethene	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	03/03/96	AR	
Dibromochloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,1,2-Trichloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Benzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
trans-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Bromoform	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
4-Methyl-2-pentanone	<4.8	µg/kgdrywt	1.6	3.0	EPA 8260	03/03/96	AR	
2-Hexanone	<6.4	µg/kgdrywt	1.6	4.0	EPA 8260	03/03/96	AR	
Tetrachloroethene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
1,1,2,2-Tetrachloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Toluene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Chlorobenzene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Ethylbenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Styrene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Total Xylenes	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Dibromofluoromethane (Surr.)	107.	%	1.6		EPA 8260	03/03/96	AR	
Toluene-d8 (Surr.)	94.	%	1.6		EPA 8260	03/03/96	AR	
p-Bromofluorobenzene (Surr.)	74.	%	1.6		EPA 8260	03/03/96	AR	
1,2-Dichlorobenzene	5.	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
1,3-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
1,4-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

340 County Road No. 5
P.O. Box 720 Westbrook, ME 04098

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD003RE

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-2RE

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1133.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 38

Date Analyzed: 3/3/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 9

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Diethyl Benzene Isomer	26.26	25	J
2.	C10H14 Isomer	26.49	41	J
3.	C10H14 Isomer	26.95	130	J
4.	C11H16 Isomer	27.87	81	J
5.	Unknown Aromatic	28.06	37	J
6.	C10H14 Isomer	28.40	120	J
7.	C10H14 Isomer	28.87	83	J
8.	C10H14 Isomer	29.26	36	J
9.	C10H12 Isomer	29.70	110	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1
Phenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethyl)ether	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2-Chlorophenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
1,3-Dichlorobenzene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
1,4-Dichlorobenzene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
1,2-Dichlorobenzene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2-Methylphenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroisopropyl) ether	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
4-Methylphenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
n-Nitroso-dipropylamine	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Hexachloroethane	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Nitrobenzene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Isophorone	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2-Nitrophenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4-Dimethylphenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethoxy)methane	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2,4-Dichlorophenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
1,2,4-Trichlorobenzene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Naphthalene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
4-Chloroaniline	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Hexachlorobutadiene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
4-Chloro-3-methylphenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2-Methylnaphthalene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Hexachlorocyclopentadiene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2,4,6-Trichlorophenol	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2,4,5-Trichlorophenol	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
2-Chloronaphthalene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2-Nitroaniline	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
Dimethylphthalate	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Acenaphthylene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,6-Dinitrotoluene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
3-Nitroaniline	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
Acenaphthene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrophenol	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
4-Nitrophenol	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
Dibenzofuran	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrotoluene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Diethylphthalate	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
4-Chlorophenyl phenyl ether	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Fluorene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
4-Nitroaniline	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
4,6-Dinitro-2-methylphenol	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	
n-Nitrosodiphenylamine	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
4-Bromophenyl phenyl ether	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Hexachlorobenzene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Pentachlorophenol	<1300.	µg/kgdrywt	1.6	820	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Phenanthrene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Anthracene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Carbazole	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Di-n-butylphthalate	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Fluoranthene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Pyrene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Butyl benzylphthalate	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
3,3'-Dichlorobenzidine	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Benzo(a)anthracene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Chrysene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
bis(2-Ethylhexyl)phthalate	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Di-n-octylphthalate	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Benzo(b)fluoranthene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Benzo(k)fluoranthene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Benzo(a)pyrene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Indeno(1,2,3-cd)pyrene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibenzo(a,h)anthracene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
Benzo(g,h,i)perylene	<530.	µg/kgdrywt	1.6	330	EPA 8270B	03/01/96	TM	
2-Fluorophenol (% Recovery)	82.	%	1.6		EPA 8270B	03/01/96	TM	
Phenol-d5 (% Recovery)	83.	%	1.6		EPA 8270B	03/01/96	TM	
Nitrobenzene-d5 (% Recovery)	68.	%	1.6		EPA 8270B	03/01/96	TM	
2-Fluorobiphenyl (% Recovery)	84.	%	1.6		EPA 8270B	03/01/96	TM	
2,4,6-Tribromophenol (% Recovery)	78.	%	1.6		EPA 8270B	03/01/96	TM	
Terphenyl-d14 (% Recovery)	69.	%	1.6		EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD003

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-2

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z9986

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 38 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 3/1/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 21

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Alkane	4.54	390	J
2.		Unknown	4.95	5500	J
3.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.60	63000	JNAB
4.		Unknown	7.00	3100	JB
5.		C10H14 Isomer	10.68	400	J
6.		C10H14 Isomer	11.19	490	J
7.		C10H14 Isomer	11.47	600	J
8.	20713	Phenol, 4-(2,2,4-trimethylpentyl)-	17.98	1200	JN
9.		Unknown	26.41	5500	J
10.		Unknown	26.59	1800	J
11.		C20H40 Isomer	28.45	17000	J
12.	629801	Hexadecanal	29.52	1400	JN
13.		Alkane	29.95	5800	J
14.	297245	Cyclooctacosane	31.41	5700	JN
15.	83476	.gamma.-Sitosterol	33.63	11000	JN
16.		Unknown	33.96	1200	J
17.		Unknown	34.33	4200	J
18.		Unknown	34.59	3300	J
19.		Unknown	35.07	3100	J
20.		Unknown	35.91	2000	J
21.		Unknown	36.24	760	J
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Bromomethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Methylene chloride	B4	µg/kgdrywt	1.4	3.0	EPA 8260	02/29/96	DW	
Acetone	B41	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Carbon disulfide	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Total 1,2-Dichloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Chloroform	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,2-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
2-Butanone	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,1,1-Trichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Carbon tetrachloride	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,2-Dichloropropane	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	02/29/96	DW	
cis-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Trichloroethene	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	02/29/96	DW	
Dibromochloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,1,2-Trichloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Benzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
trans-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Bromoform	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	02/29/96	DW	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	02/29/96	DW	
Tetrachloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,1,2,2-Tetrachloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Toluene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Chlorobenzene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Ethylbenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Total Xylenes	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Dibromofluoromethane (Surr.)	101.	%	1.4		EPA 8260	02/29/96	DW	
Toluene-d8 (Surr.)	92.	%	1.4		EPA 8260	02/29/96	DW	
p-Bromofluorobenzene (Surr.)	87.	%	1.4		EPA 8260	02/29/96	DW	
1,2-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,3-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,4-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SDXD1

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-6

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1059.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 29

Date Analyzed: 2/29/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 9

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	003789-85-2	Benzoic acid, 2[(trimethylsily)ox	26.07	11	JN
2.		C10H14 Isomer	26.47	20	J
3.		C10H14 Isomer	26.93	46	J
4.		C10H14 Isomer	27.87	34	J
5.		C10H12Isomer	28.02	17	J
6.		C10H14 Isomer	28.38	40	J
7.		C11H16 Isomer	28.85	46	J
8.		C10H14 Isomer	29.24	23	J
9.		C10H14 Isomer	29.61	33	J
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2
Phenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethyl)ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Chlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,3-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,4-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,2-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroisopropyl) ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
n-Nitroso-dipropylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachloroethane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Nitrobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Isophorone	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dimethylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethoxy)methane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
1,2,4-Trichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Naphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Chloroaniline	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachlorobutadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Chloro-3-methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Methylnaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachlorocyclopentadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4,6-Trichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
2-Chloronaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Acenaphthylene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,6-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
3-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
Acenaphthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
4-Nitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
Dibenzofuran	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Diethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Chlorophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Fluorene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
4-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
n-Nitrosodiphenylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Hexachlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Pentachlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	03/01/96	TM	
Phenanthrene	1100.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Anthracene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Carbazole	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Di-n-butylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Fluoranthene	2300.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Pyrene	1700.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Butyl benzylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
3,3'-Dichlorobenzidine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(a)anthracene	720.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Chrysene	1000.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
bis(2-Ethylhexyl)phthalate	J450	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Di-n-octylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-6
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	1200.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(k)fluoranthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(a)pyrene	480.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Indeno(1,2,3-cd)pyrene	J300	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Dibenzo(a,h)anthracene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
Benzo(g,h,i)perylene	J350	µg/kgdrywt	1.4	330	EPA 8270B	03/01/96	TM	
2-Fluorophenol (% Recovery)	85.	%	1.4		EPA 8270B	03/01/96	TM	
Phenol-d5 (% Recovery)	84.	%	1.4		EPA 8270B	03/01/96	TM	
Nitrobenzene-d5 (% Recovery)	69.	%	1.4		EPA 8270B	03/01/96	TM	
2-Fluorobiphenyl (% Recovery)	81.	%	1.4		EPA 8270B	03/01/96	TM	
2,4,6-Tribromophenol (% Recovery)	81.	%	1.4		EPA 8270B	03/01/96	TM	
Terphenyl-d14 (% Recovery)	66.	%	1.4		EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbglp(dw)/kwh
MB23BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SDXD1

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-6

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z9990

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 29 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 3/1/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 21

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	16745971	1-Hexene, 3,4-dinethyl-	4.27	320	JNB
2.		Alkane	4.53	340	J
3.		Unknown	4.96	5300	J
4.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.61	59000	JNAB
5.		Unknown	7.01	3300	J
6.		C10H14 Isomer	11.20	250	J
7.		C10H14 Isomer	11.47	350	J
8.	86737	9H-Fluorene	17.81	270	JN
9.	140669	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	17.98	500	JN
10.	84651	9,10-Anthracenedione	22.29	270	JN
11.		PAH, MW=216	24.72	250	J
12.	27208373	Cyclopenta[cd]pyrene	26.40	500	JN
13.		Unknown Phthalate Ester	28.21	760	J
14.		Alkane	28.47	2000	J
15.		Alkane	28.92	720	J
16.		Alkane	29.95	3000	J
17.		Unknown	31.41	2700	J
18.	83476	.gamma.-Sitosterol	33.63	9100	JN
19.		Unknown	34.33	1700	J
20.		Unknown	34.60	4700	J
21.		Unknown	35.07	2100	J
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Chloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Bromomethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Methylene chloride	B5	µg/kgdrywt	1.4	3.0	EPA 8260	02/23/96	AR	
Acetone	B9	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Carbon disulfide	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	02/23/96	AR	
1,1-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Total 1,2-Dichloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Chloroform	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
1,2-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
2-Butanone	J7	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Carbon tetrachloride	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Bromodichloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
1,2-Dichloropropane	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	02/23/96	AR	
cis-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Trichloroethene	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	02/23/96	AR	
Dibromochloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
1,1,2-Trichloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Benzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
trans-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Bromoform	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	02/23/96	AR	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	02/23/96	AR	
Tetrachloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,2,2-Tetrachloroethane	20.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Toluene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Chlorobenzene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/23/96	AR	
Ethylbenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Styrene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Total Xylenes	J2	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
Dibromofluoromethane (Surr.)	103.	%	1.4		EPA 8260	02/23/96	AR	
Toluene-d8 (Surr.)	87.	%	1.4		EPA 8260	02/23/96	AR	
p-Bromofluorobenzene (Surr.)	88.	%	1.4		EPA 8260	02/23/96	AR	
1,2-Dichlorobenzene	J2	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
1,3-Dichlorobenzene	J2	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	
1,4-Dichlorobenzene	J2	µg/kgdrywt	1.4	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD002

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-1

Sample wt/vol: 5 (g/ml) g

Lab File ID: F5630.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 27

Date Analyzed: 2/23/96

GC Column: RTX-624 ID: 0.18

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 12

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Alkane	18.38	170	J
2.		Alkane	19.52	120	J
3.		Alkane	20.38	200	J
4.		Alkane	20.43	160	J
5.		Alkane	21.53	150	J
6.		Alkane	24.42	320	J
7.	004292-92-6	Cyclohexane, pentyl-	25.75	140	JN
8.		Alkane	26.03	140	J
9.		Alkane	26.90	390	J
10.		Alkane	27.19	160	J
11.		Alkane	28.47	210	J
12.		Alkane	29.04	240	J
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Reanalysis								
Chloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Bromomethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Methylene chloride	B7	µg/kgdrywt	1.4	3.0	EPA 8260	02/29/96	DW	
Acetone	B16	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Carbon disulfide	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Total 1,2-Dichloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Chloroform	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,2-Dichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.
(3) Surrogate recoveries are below acceptance limits.

03/19/96

LJO/jcbkwh/mjd(dw)
MC02VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,1,1-Trichloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Carbon tetrachloride	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Bromodichloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,2-Dichloropropane	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	02/29/96	DW	
cis-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Trichloroethene	<3.5	µg/kgdrywt	1.4	2.5	EPA 8260	02/29/96	DW	
Dibromochloromethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
1,1,2-Trichloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Benzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
trans-1,3-Dichloropropene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Bromoform	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	02/29/96	DW	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC02VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Tetrachloroethene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,1,2,2-Tetrachloroethane	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Toluene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Chlorobenzene	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	02/29/96	DW	
Ethylbenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Styrene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Total Xylenes	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
Dibromofluoromethane (Surr.)	110.	%	1.4		EPA 8260	02/29/96	DW	
Toluene-d8 (Surr.)	90.	%	1.4		EPA 8260	02/29/96	DW	
p-Bromofluorobenzene (Surr.)	**68	%	1.4		EPA 8260	02/29/96	DW	
1,2-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,3-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	
1,4-Dichlorobenzene	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC02VLS1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD002RE

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-1RE

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1054.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 27

Date Analyzed: 2/29/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 20

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Alkane	19.40	55	J
2.	Alkane	21.57	300	J
3.	Alkane	21.89	75	J
4.	Alkane	22.87	760	J
5.	Alkane	23.53	450	J
6.	Alkane	24.14	81	J
7.	Alkane	24.84	1200	J
8.	Alkane	25.12	360	J
9.	Alkane	26.05	3100	J
10.	Alkane	26.45	500	J
11.	Alkane	26.82	310	J
12.	Unknown	27.34	130	J
13.	Alkane	27.65	640	J
14.	Alkane	27.86	1100	J
15.	Unknown	28.00	720	J
16.	Alkane	28.12	600	J
17. 002958-76-1	Naphthalene, decahydro-2-methyl	28.65	590	JN
18.	Alkane	28.99	3400	J
19.	Alkane	29.25	2200	J
20.	Alkane	29.45	530	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2,3
Phenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
bis(2-Chloroethyl)ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2-Chlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
1,3-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
1,4-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
1,2-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
bis(2-Chloroisopropyl) ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
4-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
n-Nitroso-dipropylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Hexachloroethane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Nitrobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(3) "E" flag indicates an estimated value. The analyte was detected in the sample at a concentration greater than the standard calibration range.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23ENS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2-Nitrophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,4-Dimethylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
bis(2-Chloroethoxy)methane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,4-Dichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
1,2,4-Trichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Naphthalene	650.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
4-Chloroaniline	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Hexachlorobutadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
4-Chloro-3-methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2-Methylnaphthalene	J260	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Hexachlorocyclopentadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,4,6-Trichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
Dimethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Acenaphthylene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,6-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
3-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
Acenaphthene	1400.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
4-Nitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
Dibenzofuran	1100.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2,4-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Diethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
4-Chlorophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Fluorene	1800.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
4-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
n-Nitrosodiphenylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
4-Bromophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Hexachlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Pentachlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	02/29/96	TM	
Phenanthrene	E13000	for phenanthrene use			EPA 8270B	02/29/96	TM	
Anthracene	2100.				EPA 8270B	02/29/96	TM	
Carbazole	1700.	10,000			EPA 8270B	02/29/96	TM	
Di-n-butylphthalate	<460.	for fluoranthene use			EPA 8270B	02/29/96	TM	
Fluoranthene	E12000	11,000			EPA 8270B	02/29/96	TM	
Pyrene	E8200	for pyrene use			EPA 8270B	02/29/96	TM	
Butyl benzylphthalate	<460.	7,500			EPA 8270B	02/29/96	TM	
3,3'-Dichlorobenzidine	<460.				EPA 8270B	02/29/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	5100.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Chrysene	4700.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
bis(2-Ethylhexyl)phthalate	540.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Di-n-octylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Benzo(b)fluoranthene	6900.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Benzo(k)fluoranthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Benzo(a)pyrene	3100.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Indeno(1,2,3-cd)pyrene	2300.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Dibenzo(a,h)anthracene	1100.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
Benzo(g,h,i)perylene	2600.	µg/kgdrywt	1.4	330	EPA 8270B	02/29/96	TM	
2-Fluorophenol (% Recovery)	73.	%	1.4		EPA 8270B	02/29/96	TM	
Phenol-d5 (% Recovery)	77.	%	1.4		EPA 8270B	02/29/96	TM	
Nitrobenzene-d5 (% Recovery)	68.	%	1.4		EPA 8270B	02/29/96	TM	
2-Fluorobiphenyl (% Recovery)	78.	%	1.4		EPA 8270B	02/29/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (% Recovery)	73.	%	1.4		EPA 8270B	02/29/96	TM	
Terphenyl-d14 (% Recovery)	77.	%	1.4		EPA 8270B	02/29/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp (dw) /kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD002

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-1

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z9983

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 27 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 2/29/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 21

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.91	5000	J
2.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.56	66000	JNAB
3.		Unknown	6.99	3000	JB
4.		Alkane	10.54	1000	J
5.		Alkane	12.21	2100	J
6.		Alkane	12.44	900	J
7.		Alkane	13.35	1300	J
8.		Alkane	13.76	2900	J
9.	696297	Cyclohexane, (1-methylethyl)-	14.43	1800	JN
10.		Alkane	15.19	5200	J
11.	4292755	Cyclohexane, hexyl-	15.90	1500	JN
12.		Alkane	16.05	2700	J
13.		Alkane	19.03	340	J
14.	203645	4H-Cyclopenta[def]phenanthrene	21.73	320	JN
15.		Alkane	22.31	330	J
16.	10544500	Sulfur, mol. (s8)	23.02	290	JN
17.		Unknown	31.41	2700	J
18.	514078	D-Friedoolean-14-en-3-one	33.67	6800	JN
19.	559706	.beta.-Amyrin	34.12	2000	JN
20.		Unknown	34.35	17000	J
21.		Unknown	34.61	3900	J
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
DL TCL Semivolatile Organics by USEPA 8270								1,2,3
Phenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
bis(2-Chloroethyl)ether	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2-Chlorophenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
1,3-Dichlorobenzene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
1,4-Dichlorobenzene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
1,2-Dichlorobenzene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2-Methylphenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
bis(2-Chloroisopropyl) ether	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
4-Methylphenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
n-Nitroso-dipropylamine	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Hexachloroethane	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Nitrobenzene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(3) Sample dilution required for quantitation of one or more target analytes; therefore, standard laboratory Practical Quantitation Level (PQL) could not be achieved.

03/19/96

LJO/jcbkwh/mjd(dw)
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2-Nitrophenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,4-Dimethylphenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
bis(2-Chloroethoxy)methane	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,4-Dichlorophenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
1,2,4-Trichlorobenzene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Naphthalene	J530	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
4-Chloroaniline	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Hexachlorobutadiene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
4-Chloro-3-methylphenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2-Methylnaphthalene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Hexachlorocyclopentadiene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,4,6-Trichlorophenol	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,4,5-Trichlorophenol	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2-Nitroaniline	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
Dimethylphthalate	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Acenaphthylene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,6-Dinitrotoluene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
3-Nitroaniline	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
Acenaphthene	1200.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,4-Dinitrophenol	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
4-Nitrophenol	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
Dibenzofuran	930.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2,4-Dinitrotoluene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Diethylphthalate	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
4-Chlorophenyl phenyl ether	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Fluorene	1500.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MB23BNS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
4,6-Dinitro-2-methylphenol	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
n-Nitrosodiphenylamine	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
4-Bromophenyl phenyl ether	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Hexachlorobenzene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Pentachlorophenol	<2200.	µg/kgdrywt	2.7	820	EPA 8270	03/06/96	LM	
Phenanthrene	10000.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Anthracene	2100.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Carbazole	1400.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Di-n-butylphthalate	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Fluoranthene	11000.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Pyrene	7500.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Butyl benzylphthalate	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
3,3'-Dichlorobenzidine	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	3900.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Chrysene	4600.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
bis(2-Ethylhexyl)phthalate	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Di-n-octylphthalate	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Benzo(b)fluoranthene	5800.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Benzo(k)fluoranthene	<890.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Benzo(a)pyrene	2800.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Indeno(1,2,3-cd)pyrene	1900.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Dibenzo(a,h)anthracene	900.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
Benzo(g,h,i)perylene	2100.	µg/kgdrywt	2.7	330	EPA 8270	03/06/96	LM	
2-Fluorophenol (% Recovery)	29.	%	2.7		EPA 8270	03/06/96	LM	
Phenol-d5 (% Recovery)	31.	%	2.7		EPA 8270	03/06/96	LM	
Nitrobenzene-d5 (% Recovery)	28.	%	2.7		EPA 8270	03/06/96	LM	
2-Fluorobiphenyl (% Recovery)	33.	%	2.7		EPA 8270	03/06/96	LM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (% Recovery)	31.	%	2.7		EPA 8270	03/06/96	LM	
Terphenyl-d14 (% Recovery)	28.	%	2.7		EPA 8270	03/06/96	LM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MB23ENS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD002DL

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-1DL

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z0044

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 27 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 3/6/96

Injection Volume 1.0 (ul)

Dilution Factor: 2.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 22

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.57	4700	JB
2.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.20	67000	JNAB
3.		Unknown	6.66	2800	JB
4.		Alkane	10.22	1300	J
5.		Alkane	11.87	2700	J
6.		Alkane	12.09	1300	J
7.		Alkane	13.01	1600	J
8.		Alkane	13.40	3800	J
9.	696297	Cyclohexane, (1-methylethyl)-	14.07	1800	JN
10.		Alkane	14.82	5400	J
11.		Unknown	15.52	1600	J
12.		Alkane	15.68	2800	J
13.		Alkane	18.64	580	J
14.		Alkane	18.72	520	J
15.	17391	6H-CYCLOBUTA[JK]PHENANTHRENE	21.29	530	JN
16.	10544500	Sulfur, mol. (s8)	22.60	1000	JN
17.		PAH, MW=252	29.55	3500	J
18.		Unknown	30.96	3000	J
19.		Unknown	32.99	8200	J
20.		Unknown	33.42	2400	J
21.		Unknown	33.61	24000	J
22.		Unknown	33.85	5300	J

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Bromomethane	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Methylene chloride	B6	µg/kgdrywt	1.2	3.0	EPA 8260	02/29/96	DW	
Acetone	JB5	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Carbon disulfide	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Total 1,2-Dichloroethene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Chloroform	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
1,2-Dichloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
1,1,1-Trichloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Carbon tetrachloride	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Bromodichloromethane	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
1,2-Dichloropropane	<3.	µg/kgdrywt	1.2	2.5	EPA 8260	02/29/96	DW	
cis-1,3-Dichloropropene	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Trichloroethene	<3.	µg/kgdrywt	1.2	2.5	EPA 8260	02/29/96	DW	
Dibromochloromethane	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
1,1,2-Trichloroethane	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Benzene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
trans-1,3-Dichloropropene	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Bromoform	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	02/29/96	DW	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	02/29/96	DW	
Tetrachloroethene	J1	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
1,1,2,2-Tetrachloroethane	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Toluene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	02/29/96	DW	
Ethylbenzene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Styrene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Total Xylenes	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
Dibromofluoromethane (Surr.)	104.	%	1.2		EPA 8260	02/29/96	DW	
Toluene-d8 (Surr.)	98.	%	1.2		EPA 8260	02/29/96	DW	
p-Bromofluorobenzene (Surr.)	100.	%	1.2		EPA 8260	02/29/96	DW	
1,2-Dichlorobenzene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
1,3-Dichlorobenzene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	
1,4-Dichlorobenzene	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD006

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-5

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1058.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 17

Date Analyzed: 2/29/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 4

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Alkane	22.33	7	J
2.	003789-85-3	Benzoic acid, 2[(trimethylsily)ox	26.04	8	JN
3.		Unknown	27.91	8	J
4.		Alkane	29.49	17	J
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2
Phenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethyl)ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Chlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,3-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,4-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,2-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroisopropyl) ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
n-Nitroso-dipropylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachloroethane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Nitrobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Isophorone	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dimethylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethoxy)methane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,2,4-Trichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Naphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Chloroaniline	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachlorobutadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Chloro-3-methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Methylnaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachlorocyclopentadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4,6-Trichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4,5-Trichlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
2-Chloronaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23ENS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Acenaphthylene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,6-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
3-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
Acenaphthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
4-Nitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
Dibenzofuran	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Diethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Chlorophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Fluorene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
4,6-Dinitro-2-methylphenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
n-Nitrosodiphenylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Pentachlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
Phenanthrene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Anthracene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Carbazole	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Di-n-butylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Fluoranthene	660.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Pyrene	500.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Butyl benzylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
3,3'-Dichlorobenzidine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(a)anthracene	J230	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Chrysene	J310	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Ethylhexyl)phthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Di-n-octylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-5
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	J350	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(k)fluoranthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(a)pyrene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Indeno(1,2,3-cd)pyrene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Dibenzo(a,h)anthracene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(g,h,i)perylene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Fluorophenol (% Recovery)	80.	%	1.2		EPA 8270B	03/01/96	TM	
Phenol-d5 (% Recovery)	84.	%	1.2		EPA 8270B	03/01/96	TM	
Nitrobenzene-d5 (% Recovery)	69.	%	1.2		EPA 8270B	03/01/96	TM	
2-Fluorobiphenyl (% Recovery)	87.	%	1.2		EPA 8270B	03/01/96	TM	
2,4,6-Tribromophenol (% Recovery)	79.	%	1.2		EPA 8270B	03/01/96	TM	
Terphenyl-d14 (% Recovery)	76.	%	1.2		EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD006

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-5

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z9989

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 17 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 3/1/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 11

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.99	4600	JB
2.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.62	51000	JNAB
3.		Unknown	7.01	2700	JB
4.		Unknown Phthalate Ester	27.33	400	J
5.		Alkane	27.99	490	J
6.		Alkane	28.07	550	J
7.		Alkane	28.21	1200	J
8.		Alkane	28.29	360	J
9.		Alkane	28.52	1300	J
10.		Alkane	28.68	1100	J
11.		Alkane	28.93	3800	J
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Bromomethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Methylene chloride	B5	µg/kgdrywt	1.3	3.0	EPA 8260	02/29/96	DW	
Acetone	B45	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Carbon disulfide	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Total 1,2-Dichloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Chloroform	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
1,2-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
1,1,1-Trichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Carbon tetrachloride	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Bromodichloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
1,2-Dichloropropane	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	02/29/96	DW	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Trichloroethene	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	02/29/96	DW	
Dibromochloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
1,1,2-Trichloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Benzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
trans-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Bromoform	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	02/29/96	DW	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	02/29/96	DW	
Tetrachloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
1,1,2,2-Tetrachloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Toluene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/29/96	DW	
Ethylbenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Styrene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Total Xylenes	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
Dibromofluoromethane (Surr.)	106.	%	1.3		EPA 8260	02/29/96	DW	
Toluene-d8 (Surr.)	95.	%	1.3		EPA 8260	02/29/96	DW	
p-Bromofluorobenzene (Surr.)	79.	%	1.3		EPA 8260	02/29/96	DW	
1,2-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
1,3-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	
1,4-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD005

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-4

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1057.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 20

Date Analyzed: 2/29/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 10

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Alkane	23.50	6	J
2.	Alkane	26.02	22	J
3.	Alkane	26.44	9	J
4.	Unknown	27.60	11	J
5.	Alkane	27.88	15	J
6.	Alkane	27.94	17	J
7.	Unknown	28.64	7	J
8.	Alkane	28.95	19	J
9.	Alkane	29.22	18	J
10.	Alkane	29.46	11	J
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Reanalysis								
Chloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromomethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Methylene chloride	B38	µg/kgdrywt	1.3	3.0	EPA 8260	03/02/96	DW	
Acetone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Carbon disulfide	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Total 1,2-Dichloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chloroform	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,2-Dichloroethane	B7	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

(3) **Surrogate recoveries are below acceptance limits.

03/19/96

LJO/jcbkwh/mjd(dw)
MC02VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1,1-Trichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Carbon tetrachloride	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromodichloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,2-Dichloropropane	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	03/02/96	DW	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Trichloroethene	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	03/02/96	DW	
Dibromochloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1,2-Trichloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Benzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
trans-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromoform	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	03/02/96	DW	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbkwh/mjd(dw)
MC02VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Tetrachloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,1,2,2-Tetrachloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Toluene	B3	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chlorobenzene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Ethylbenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Styrene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Total Xylenes	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Dibromofluoromethane (Surr.)	92.	%	1.3		EPA 8260	03/02/96	DW	
Toluene-d8 (Surr.)	**55	%	1.3		EPA 8260	03/02/96	DW	
p-Bromofluorobenzene (Surr.)	76.	%	1.3		EPA 8260	03/02/96	DW	
1,2-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,3-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,4-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC02VLS1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD005RE

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM0323-4RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: I1121.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. 20
Date Analyzed: 3/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 2
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000556-67-2	Cyclotetrasiloxane, octamethyl-	21.51	67	JN
2.	055429-85-1	Benzeneethanamine, N-[(pentafluorop	26.04	140	JN
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2
Phenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethyl)ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Chlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,3-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,4-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,2-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroisopropyl) ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
n-Nitroso-dipropylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachloroethane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Nitrobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Isophorone	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/23/96 by MSK using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dimethylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Chloroethoxy)methane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
1,2,4-Trichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Naphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Chloroaniline	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachlorobutadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Chloro-3-methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Methylnaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachlorocyclopentadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4,6-Trichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4,5-Trichlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
2-Chloronaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Acenaphthylene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,6-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
3-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
Acenaphthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
4-Nitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
Dibenzofuran	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2,4-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Diethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Chlorophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Fluorene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
4-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
4,6-Dinitro-2-methylphenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
n-Nitrosodiphenylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Hexachlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Pentachlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	03/01/96	TM	
Phenanthrene	1400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Anthracene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Carbazole	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Di-n-butylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Fluoranthene	6000.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Pyrene	4500.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Butyl benzylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
3,3'-Dichlorobenzidine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(a)anthracene	2000.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Chrysene	2500.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
bis(2-Ethylhexyl)phthalate	J390	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Di-n-octylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-4
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	2700.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(k)fluoranthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(a)pyrene	1100.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Indeno(1,2,3-cd)pyrene	640.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Dibenzo(a,h)anthracene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
Benzo(g,h,i)perylene	680.	µg/kgdrywt	1.2	330	EPA 8270B	03/01/96	TM	
2-Fluorophenol (% Recovery)	76.	%	1.2		EPA 8270B	03/01/96	TM	
Phenol-d5 (% Recovery)	84.	%	1.2		EPA 8270B	03/01/96	TM	
Nitrobenzene-d5 (% Recovery)	68.	%	1.2		EPA 8270B	03/01/96	TM	
2-Fluorobiphenyl (% Recovery)	78.	%	1.2		EPA 8270B	03/01/96	TM	
2,4,6-Tribromophenol (% Recovery)	73.	%	1.2		EPA 8270B	03/01/96	TM	
Terphenyl-d14 (% Recovery)	68.	%	1.2		EPA 8270B	03/01/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbgbp(dw)/kwh
MB23BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD005

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-4

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z9988

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 20 N (Y/N) Decanted

Date Extracted: 2/23/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 3/1/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/kg

Number of TIC's: 19

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.00	4800	JB
2.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.63	52000	JNAB
3.		Unknown	7.01	2500	J
4.		Alkane	15.19	380	J
5.		Alkane	17.81	350	J
6.	203645	4H-Cyclopenta[def]phenanthrene	21.75	370	JN
7.	84651	9,10-Anthracenedione	22.30	340	JN
8.		Unknown	22.42	760	J
9.		Unknown	23.55	340	J
10.		PAH, MW=216	24.71	380	J
11.		PAH, MW=226	26.39	290	J
12.		PAH, MW=242	27.97	210	J
13.		Unknown Phthalate Ester	28.20	1200	J
14.		Unknown	28.47	660	J
15.		Alkane	28.92	1600	J
16.		Unknown Phthalate Ester	29.76	1900	J
17.		Alkane	29.97	1500	J
18.	83476	.gamma.-Sitosterol	33.64	2800	JN
19.		Unknown	34.34	1400	J
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3,4
Reanalysis								
Chloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Bromomethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Vinyl chloride	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Chloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Methylene chloride	B47	µg/kgdrywt	1.6	3.0	EPA 8260	03/03/96	AR	
Acetone	B46	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Carbon disulfide	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,1-Dichloroethene	<1.6	µg/kgdrywt	1.6	1.0	EPA 8260	03/03/96	AR	
1,1-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Total 1,2-Dichloroethene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Chloroform	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.
(4) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
2-Butanone	9.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,1,1-Trichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Carbon tetrachloride	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Bromodichloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,2-Dichloropropane	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	03/03/96	AR	
cis-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Trichloroethene	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	03/03/96	AR	
Dibromochloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
1,1,2-Trichloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Benzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
trans-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Bromoform	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' value

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Methyl-2-pentanone	<4.8	µg/kgdrywt	1.6	3.0	EPA 8260	03/03/96	AR	
2-Hexanone	<6.4	µg/kgdrywt	1.6	4.0	EPA 8260	03/03/96	AR	
Tetrachloroethene	J2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
1,1,2,2-Tetrachloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Toluene	J2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Chlorobenzene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	03/03/96	AR	
Ethylbenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Styrene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Total Xylenes	J2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
Dibromofluoromethane (Surr.)	106.	%	1.6		EPA 8260	03/03/96	AR	
Toluene-d8 (Surr.)	92.	%	1.6		EPA 8260	03/03/96	AR	
p-Bromofluorobenzene (Surr.)	$72	%	1.6		EPA 8260	03/03/96	AR	
1,2-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,3-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	
1,4-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	03/03/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbkwh/mjd(dw)
MC03VLS1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD001

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM0323-7
Sample wt/vol: 5 (g/ml) g
Lab File ID: I1060.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. 36
Date Analyzed: 2/29/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)
Number of TIC's Found: 14
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000556-67-2	Cyclotetrasiloxane, octamethyl-	21.54	26	JN
2.		C11H16 Isomer	23.52	31	J
3.		Unknown Aromatic	23.94	13	J
4.		C11H14 Isomer	25.22	11	J
5.	003789-85-3	Benzoic acid, 2-[(trimethylsily)ox	26.10	44	JN
6.		C11H14 Isomer	26.48	15	J
7.		Unknown	26.57	10	J
8.		C11H16 Isomer	27.19	9	J
9.		Alkane	27.94	48	J
10.		Unknown Aromatic	28.00	51	J
11.		Unknown	28.42	31	J
12.		Unknown	28.66	12	J
13.		Alkane	29.24	18	J
14.		Alkane	29.48	38	J
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3,4
Chloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Bromomethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Vinyl chloride	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Chloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Methylene chloride	B20	µg/kgdrywt	1.6	3.0	EPA 8260	02/29/96	DW	
Acetone	B20	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Carbon disulfide	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethene	<1.6	µg/kgdrywt	1.6	1.0	EPA 8260	02/29/96	DW	
1,1-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Total 1,2-Dichloroethene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Chloroform	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
1,2-Dichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

(4) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
1,1,1-Trichloroethane	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Carbon tetrachloride	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Bromodichloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
1,2-Dichloropropane	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	02/29/96	DW	
cis-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Trichloroethene	<4.	µg/kgdrywt	1.6	2.5	EPA 8260	02/29/96	DW	
Dibromochloromethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
1,1,2-Trichloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Benzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
trans-1,3-Dichloropropene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Bromoform	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
4-Methyl-2-pentanone	<4.8	µg/kgdrywt	1.6	3.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Hexanone	<6.4	µg/kgdrywt	1.6	4.0	EPA 8260	02/29/96	DW	
Tetrachloroethene	J2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
1,1,2,2-Tetrachloroethane	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Toluene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Chlorobenzene	<8.	µg/kgdrywt	1.6	5.0	EPA 8260	02/29/96	DW	
Ethylbenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Styrene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Total Xylenes	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
Dibromofluoromethane (Surr.)	119.	%	1.6		EPA 8260	02/29/96	DW	
Toluene-d8 (Surr.)	87.	%	1.6		EPA 8260	02/29/96	DW	
p-Bromofluorobenzene (Surr.)	$52	%	1.6		EPA 8260	02/29/96	DW	
1,2-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	
1,3-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0323-7
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,4-Dichlorobenzene	<3.2	µg/kgdrywt	1.6	2.0	EPA 8260	02/29/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB29VLS1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD001RE

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM0323-7RE

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1137.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. 36

Date Analyzed: 3/3/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 6

CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	26.13	9	J
2.	Alkane	27.86	50	J
3.	Unknown	28.03	9	J
4.	Unknown	28.42	36	J
5.	Alkane	28.63	13	J
6.	Alkane	29.28	15	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	11.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT005

Lab Name: Katahdin ASI
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM0320-8
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0955.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/23/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-11
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB3	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	12.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-11
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-11
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	101.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	97.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QS004

Lab Name: Katahdin ASI
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM0320-11
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0958.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/23/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9QS004

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9QS00

Matrix (soil/water): WATER Lab Sample ID: WM0320-11

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	16.4	B	E	P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	0.30	B	E	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.21	U		P
7440-70-2	Calcium__	14.7	B	E	P
7440-47-3	Chromium_	0.63	U		P
7440-48-4	Cobalt___	0.71	U		P
7440-50-8	Copper___	0.76	U		P
7439-89-6	Iron____	25.4	U	E	P
7439-92-1	Lead____	1.1	U	E	P
7439-95-4	Magnesium	15.6	U	E	P
7439-96-5	Manganese	0.69	B	E	P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.2	U		P
7440-09-7	Potassium	587	U		P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	83.5	B		P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	0.90	U		P
7440-66-6	Zinc____	9.7	B		P
	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/17/96	LG	
Acetone	B8	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/17/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSCA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/17/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/17/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/17/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/17/96	LG	
Tetrachloroethene	4.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbalr/gbp (dw) /kwh
MB16VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Dibromofluoromethane (Surr.)	97.	%	1.0		EPA 8260	02/17/96	LG	
Toluene-d8 (Surr.)	107.	%	1.0		EPA 8260	02/17/96	LG	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	02/17/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: SIQD001

Lab Name	Katahdin ASI	SDG No.:	S1QT001
Matrix (soil/water)	Water	Lab Sample ID:	WM0296-16
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	F5495.D
Level: (low/med)	low	Date Received:	2/16/96
% Moisture: not dec.	N/A	Date Analyzed:	2/17/96
GC Column:	RTX-624 ID: 0.18	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
2.				
3.				
6.				
9.				
1				
1				
12.				
1				
1				
15.				
1				
1				
18.				
1				
2				
21.				
2				

Appendix D.4

Leachate Seep and Sediment Samples
Site 9

APPENDIX D.4

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

Sample Designation	Sample Station
LT-901 (Seep) Sample	
S9-LT001	LT-901
S9-SWXD1	LT-901 (DUP)
LT-901 (Sediment) Sample	
S9-LTSD1	LT-901
S9-SDXD2	LT-901 (DUP)

Site 9

BRUNSWICK NAVAL AIR STATION LONG-TERM MONITORING PLAN
FIELD SDG TRACKING

SDG No.: BN-05-S9-LTSD1			
Sample Location No.	**Sample ID**	**Date Sampled**	**QC**
1. LT901	BN-05-S9-LTSD1	2/21/96	MS/MSD
2 LT901	BN-05-S9-SDXD2	2/21/96	Duplicate
3. TRIP	BN-05-S9-QT005	2/21/96	~~Duplicate~~
4.			
5.			
6.			
7.			
8.			
9.			
10.			Duplicate
11.			
12			
13.			
14.			
15.			
16.			
17.			
18.			
19.			Trip Blank
20.			Other QC

Comments: No SDG shall exceed 20 samples. All samples that are duplicated should be entered as two samples towards the SDG sample total. MS/MSD samples are entered on a separate line than the sample on the chain-of-custody.

Example:
(DUPLICATE ENTRIES ON CHAIN-OF- CUSTODY)
1. BN-03-EP-MW001
2. BN-03-EP-MW002
3. BN-03-EP-MWXD1

MS/MSD ENTRIES ON CHAIN-OF-CUSTODY:
Example:
1. BN-03-EP-MW003
2. BN-03-EP-MW003 MS/MSD

Katahdin
ANALYTICAL SERVICES

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

CHAIN of CUSTODY

* PLEASE PRINT IN PEN

Page 1 of 1

Client: EA Engineering
Contact: Mike Battle
Phone #: (914) 565-8100
Fax #: (914) 565-8203
Address: 3 Washington Center
City: Newburgh
State: NY
Zip Code: 12550
P.O. #: 29600.47 7200
Proj. Name/No.: NAS Brunswick LTMP
Bill (if different than above):
Address:
Sample (Print/Sign): Robert J. Harris Robert J. Harris
Copies To:

LAB USE ONLY
WORK ORDER #: WM0321
KATAHDIN PROJECT MANAGER
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C 3.3 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

	*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOCs / VOA Soil None	TAL Elements + Cyanide None								
X	1	BN-05-S9-LTSD1 MS/MSD	2/21/96 / 1048	SED	N	2	X									
X	2	BN-05-S9-SDXD2	2/21/96 / —	SED	N	2	X	X								
X	1	BN-05-S9-LTSD1 MS	2/21/96 / 1048	SED	N	2		X								
			/													
			/													
			/													
			/													
			/													
			/													
			/													
			/													
			/													
			/													
			/													
			/													
			/													

COMMENTS VOAS by 8260 plus library search. TAL Elements and Cyanide refer to table 7.1 in QAPP. [Trip BN-05-S9-QT005 included with VOAS.] BN-05-S9-LTSD1 starts SDG BN-05-S9-SDXD2 ends SDG

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[illegible]	2/22/96 0736	Deborah J. Nadeau	Deborah J. Nadeau	2/22/96 8:35	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

SITE 9 - Surface WATER

BRUNSWICK NAVAL AIR STATION LONG-TERM MONITORING PLAN
FIELD SDG TRACKING

SDG No.: BN-05-S9-QS003

Sample Location No.	Sample ID	Date Sampled	QC
1. Rinsate - Bed Bottle	BN-05-S9-QS003	2/21/96	~~MS/MSD~~ RA Dedicated Bottle Rinsate
2 Rinsate - Soil gear	BN-05-S9-QS004		~~Dedicated~~ Soil collecto gear Rinsate
3. SW022	BN-05-S9-~~QS~~ SW001		~~Duplicate~~ RA
4. SW012	BN-05-S9-SW002		
5. SW011	BN-05-S9-SW003		
6. SW010	BN-05-S9-SW004		
7. SW919	BN-05-S9-SW005		
8. SW915	BN-05-S9-SW006		
9. LT901	BN-05-S9-LT001	2/21/96	MS/MSD
10. LT901	BN-05-S9-SDXD1	2/21/96	Duplicate
11. TRIP	BN-05-S9-QT005	2/21/96	TRIP
12			
13.			
14.			
15.			
16.			
17.			
18.			
19.			Trip Blank
20.			Other QC

Comments: No SDG shall exceed 20 samples. All samples that are duplicated should be entered as two samples towards the SDG sample total. MS/MSD samples are entered on a separate line than the sample on the chain-of-custody.

Example:
(DUPLICATE ENTRIES ON CHAIN-OF- CUSTODY)
1. BN-03-EP-MW001
2. BN-03-EP-MW002
3. BN-03-EP-MWXD1

MS/MSD ENTRIES ON CHAIN-OF-CUSTODY:
Example:
1. BN-03-EP-MW003
2. BN-03-EP-MW003 MS/MSD

Katahdin ANALYTICAL SERVICES

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

CHAIN of CUSTODY

* PLEASE PRINT IN PEN

Page 1 of 1

Client: Et Engineering | Contact: Mike Battle | Phone #: 914 565-8100 | Fax #: 914 565-8203

Address: 3 Washington Center | City: Newburgh | State: NY | Zip Code: 12550

P.O. #: 29600417/7200 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

Sample (Print/Sign): Brian Andersen / Brian D. Andersen | Copies To:

LAB USE ONLY WORK ORDER #: WM0320

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 3.3 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOCs / VOA HCL	TAL Elements / 1L HNO3	CN / 1L NaOH	SVOC / 1L None						
X 9	BN-05-S9-QS003	2/21/96 0800	H2O	N	4	X	X	X							
X 11	BN-05-S9-QS004	2/21/96/0815	H2O	N	5	X	X	X	X						
✓ 2	BN-05-S9-SW001	2/21/96/0855	H2O	N	2	X									
✓ 3	BN-05-S9-SW002	2/21/96/0920	H2O	N	2	X									
✓ 4	BN-05-S9-SW003	2/21/96/0933	H2O	N	2	X									
✓ 5	BN-05-S9-SW004	2/21/96/0947	H2O	N	2	X									
✓ 6	BN-05-S9-SW005	2/21/96/1010	H2O	N	2	X									
✓ 7	BN-05-S9-SW006	2/21/96/1020	H2O	N	2	X									
X 1	BN-05-S9-LT001 MS/MSD	2/21/96/1038	H2O	N	6	X									
8	BN-05-S9-QT005	2/21/96/0800	H2O	N	2	X									
✓ 1	BN-05-S9-LT001 MS	2/21/96/1038	H2O	N	4		X	X							
		/													
		/													
		/													
X 10	BN-05-S9-SWXD1	2/21/96/ —	H2O	N	4	X	X	X							
		/													

COMMENTS: VOAs by 8260 plus library Search, TAL Elements and Cyanide refer to SVOCs, Table 7-1 in QAPP. [Start SDG with BN05-S9-QS003, SDG ends with BN-05-S9-LT001]

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Andersen	2/22/96 0732	Deborah J. Nadeau	Deborah J. Nadeau	2/22/96 835	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-1
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LT001	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Methylene chloride	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	DW	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-1
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LT001	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	DW	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	DW	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	DW	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	DW	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-1
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LT001	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	02/23/96	DW	
Toluene-d8 (Surr.)	102.	%	1.0		EPA 8260	02/23/96	DW	
p-Bromofluorobenzene (Surr.)	104.	%	1.0		EPA 8260	02/23/96	DW	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9LT001

Lab Name: Katahdin ASI
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM0320-1
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0943.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/23/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9LT001

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9QS00

Matrix (soil/water): WATER Lab Sample ID: WM0320-1

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4090		E	P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	4.1	B		P
7440-39-3	Barium	50.5	B	E	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.44	B		P
7440-70-2	Calcium	15500		E	P
7440-47-3	Chromium	12.3			P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	16.1	B		P
7439-89-6	Iron	20500		E	P
7439-92-1	Lead	76.3		E	P
7439-95-4	Magnesium	3000	B	E	P
7439-96-5	Manganese	196		E	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	8.6	B		P
7440-09-7	Potassium	3360	B		P
7782-49-2	Selenium	5.3	U		P
7440-22-4	Silver	5.2	U		P
7440-23-5	Sodium	26500			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	18.6	B		P
7440-66-6	Zinc	87.2			P
	Cyanide	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-10
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SWXD1	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-10
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SWXD1	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-10
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SWXD1	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	104.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	107.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SWXD1

Lab Name	Katahdin ASI	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM0320-10
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0957.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/23/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SWXD1

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9QS00

Matrix (soil/water): WATER Lab Sample ID: WM0320-10

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	275		E	P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	23.4	B	E	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.21	U		P
7440-70-2	Calcium	15000		E	P
7440-47-3	Chromium	0.83	B		P
7440-48-4	Cobalt	0.71	U		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	4940		E	P
7439-92-1	Lead	9.8		E	P
7439-95-4	Magnesium	1770	B	E	P
7439-96-5	Manganese	123		E	P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	1.2	U		P
7440-09-7	Potassium	1580	B		P
7782-49-2	Selenium	5.3	U		P
7440-22-4	Silver	5.2	U		P
7440-23-5	Sodium	27900			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	2.3	B		P
7440-66-6	Zinc	17.0	B		P
	Cyanide	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0321-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Chloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Bromomethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Methylene chloride	JB3	µg/kgdrywt	1.3	3.0	EPA 8260	02/23/96	AR	
Acetone	B46	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Carbon disulfide	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	02/23/96	AR	
1,1-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Total 1,2-Dichloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Chloroform	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
1,2-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
2-Butanone	10.	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(3) **Surrogate recoveries below acceptance limits.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0321-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Carbon tetrachloride	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Bromodichloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,2-Dichloropropane	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	02/23/96	AR	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Trichloroethene	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	02/23/96	AR	
Dibromochloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,1,2-Trichloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Benzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
trans-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Bromoform	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	02/23/96	AR	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	02/23/96	AR	
Tetrachloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0321-1
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,2,2-Tetrachloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Toluene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Chlorobenzene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Ethylbenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Styrene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Total Xylenes	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Dibromofluoromethane (Surr.)	104.	%	1.3		EPA 8260	02/23/96	AR	
Toluene-d8 (Surr.)	90.	%	1.3		EPA 8260	02/23/96	AR	
p-Bromofluorobenzene (Surr.)	**67	%	1.3		EPA 8260	02/23/96	AR	
1,2-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
1,3-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
1,4-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9LTSD1

Lab Name	Katahdin ASI	SDG No.:	S9LTSD1
Matrix (soil/water)	Soil	Lab Sample ID:	WM0321-1
Sample wt/vol:	5 (g/ml) g	Lab File ID:	F5626.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/23/96
GC Column:	RTX-624 ID: 0.18	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-1
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Reanalysis								
Chloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromomethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Methylene chloride	B15	µg/kgdrywt	1.3	3.0	EPA 8260	03/02/96	DW	
Acetone	25.	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Carbon disulfide	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Total 1,2-Dichloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chloroform	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,2-Dichloroethane	5.	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-1
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Carbon tetrachloride	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromodichloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,2-Dichloropropane	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	03/02/96	DW	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Trichloroethene	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	03/02/96	DW	
Dibromochloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1,2-Trichloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Benzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
trans-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromoform	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	03/02/96	DW	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	03/02/96	DW	
Tetrachloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,1,2,2-Tetrachloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0321-1
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Toluene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chlorobenzene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Ethylbenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Styrene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Total Xylenes	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Dibromofluoromethane (Surr.)	103.	%	1.3		EPA 8260	03/02/96	DW	
Toluene-d8 (Surr.)	92.	%	1.3		EPA 8260	03/02/96	DW	
p-Bromofluorobenzene (Surr.)	79.	%	1.3		EPA 8260	03/02/96	DW	
1,2-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,3-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,4-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9LTSD1RE

Lab Name: Katahdin ASI

SDG No.: S9LTSD1

Matrix (soil/water): Soil

Lab Sample ID: WM0321-1RE

Sample wt/vol: 5 (g/ml) g

Lab File ID: I1117.D

Level: (low/med) low

Date Received: 2/22/96

% Moisture: not dec. N/A

Date Analyzed: 3/2/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: 0 (ul)

Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 1

CONCENTRATION UNITS (ug/L or ug/KG) ug/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C10H14 isomer	25.36	8	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9LTSD1

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9LTSD

Matrix (soil/water): SOIL_ Lab Sample ID: WM0321-1

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: _76.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3780			P
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	2.2			P
7440-39-3	Barium	12.3	B		P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	640		N	P
7440-47-3	Chromium	6.3			P
7440-48-4	Cobalt	2.8	B		P
7440-50-8	Copper	6.4			P
7439-89-6	Iron	5950			P
7439-92-1	Lead	40.4		N	P
7439-95-4	Magnesium	1150		N	P
7439-96-5	Manganese	55.5		N	P
7439-97-6	Mercury	0.02	B		CV
7440-02-0	Nickel	6.8			P
7440-09-7	Potassium	594			P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	67.2	B		P
7440-28-0	Thallium	0.61	U		P
7440-62-2	Vanadium	12.1			P
7440-66-6	Zinc	28.6			P
	Cyanide	0.08	B		AS

Color Before: BLACK____ Clarity Before: _____ Texture: COARSE

Color After: _____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3,4
Chloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Bromomethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Methylene chloride	JB4	µg/kgdrywt	1.3	3.0	EPA 8260	02/23/96	AR	
Acetone	B38	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Carbon disulfide	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	02/23/96	AR	
1,1-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Total 1,2-Dichloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Chloroform	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
1,2-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.
(4) **Surrogate recoveries below acceptance limits.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	12.	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,1,1-Trichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Carbon tetrachloride	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Bromodichloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,2-Dichloropropane	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	02/23/96	AR	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Trichloroethene	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	02/23/96	AR	
Dibromochloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
1,1,2-Trichloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Benzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
trans-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Bromoform	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	02/23/96	AR	
Tetrachloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
1,1,2,2-Tetrachloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Toluene	J1	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Chlorobenzene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	02/23/96	AR	
Ethylbenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Styrene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Total Xylenes	J2	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
Dibromofluoromethane (Surr.)	106.	%	1.3		EPA 8260	02/23/96	AR	
Toluene-d8 (Surr.)	86.	%	1.3		EPA 8260	02/23/96	AR	
p-Bromofluorobenzene (Surr.)	**53	%	1.3		EPA 8260	02/23/96	AR	
1,2-Dichlorobenzene	J1	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	
1,3-Dichlorobenzene	J1	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,4-Dichlorobenzene	J2	µg/kgdrywt	1.3	2.0	EPA 8260	02/23/96	AR	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MB23VLS1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SDXD2

Lab Name: Katahdin ASI
SDG No.: S9LTSD1
Matrix (soil/water): Soil
Lab Sample ID: WM0321-2
Sample wt/vol: 5 (g/ml) g
Lab File ID: F5629.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/23/96
GC Column: RTX-624 ID: 0.18
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Reanalysis								
Chloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromomethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Methylene chloride	11.	µg/kgdrywt	1.3	3.0	EPA 8260	03/02/96	DW	
Acetone	62.	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Carbon disulfide	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	03/02/96	DW	
1,1-Dichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Total 1,2-Dichloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chloroform	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,2-Dichloroethane	6.	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Carbon tetrachloride	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromodichloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,2-Dichloropropane	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	03/02/96	DW	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Trichloroethene	<3.3	µg/kgdrywt	1.3	2.5	EPA 8260	03/02/96	DW	
Dibromochloromethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
1,1,2-Trichloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Benzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
trans-1,3-Dichloropropene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Bromoform	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	03/02/96	DW	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	03/02/96	DW	
Tetrachloroethene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,1,2,2-Tetrachloroethane	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0321-2
Report Date: 03/19/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	R. HARAS	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Toluene	J2	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Chlorobenzene	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	03/02/96	DW	
Ethylbenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Styrene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Total Xylenes	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.3		EPA 8260	03/02/96	DW	
Toluene-d8 (Surr.)	97.	%	1.3		EPA 8260	03/02/96	DW	
p-Bromofluorobenzene (Surr.)	75.	%	1.3		EPA 8260	03/02/96	DW	
1,2-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,3-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	
1,4-Dichlorobenzene	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	03/02/96	DW	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/19/96

LJO/jcbalr/gbp(dw)/kwh
MC02VLS1

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9LTSD2RE

Lab Name: Katahdin ASI
SDG No.: S9LTSD1
Matrix (soil/water): Soil
Lab Sample ID: WM0321-2RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: I1118.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 3/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SDXD2

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9LTSD

Matrix (soil/water): SOIL_ Lab Sample ID: WM0321-2

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: _77.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	3380			P
7440-36-0	Antimony_	0.45	U	N	P
7440-38-2	Arsenic__	1.8			P
7440-39-3	Barium___	10.3	B		P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium__	0.07	B		P
7440-70-2	Calcium__	919		N	P
7440-47-3	Chromium_	6.5			P
7440-48-4	Cobalt___	2.0	B		P
7440-50-8	Copper___	7.8			P
7439-89-6	Iron____	5300			P
7439-92-1	Lead____	43.1		N	P
7439-95-4	Magnesium	1110		N	P
7439-96-5	Manganese	51.1		N	P
7439-97-6	Mercury__	0.02	U		CV
7440-02-0	Nickel___	6.0			P
7440-09-7	Potassium	462	B		P
7782-49-2	Selenium_	0.60	U		P
7440-22-4	Silver___	0.58	U		P
7440-23-5	Sodium___	72.5	B		P
7440-28-0	Thallium_	0.65	U		P
7440-62-2	Vanadium_	9.9			P
7440-66-6	Zinc____	29.6			P
	Cyanide__	0.07	U		AS

Color Before: BLACK____ Clarity Before: _____ Texture: COARSE

Color After: _____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	11.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-8
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT005	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT005

Lab Name: Katahdin ASI
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM0320-8
Sample wt/vol: 5 (g/ml) ml
Lab File ID: I0955.D
Level: (low/med) low
Date Received: 2/22/96
% Moisture: not dec. N/A
Date Analyzed: 2/23/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: 0 (ul)
Soil Aliquot Volume: 0 (ul)

Number of TIC's Found: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-9
Report Date: 03/13/96
PO No. : 802LSQA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B. ANDERSEN	02/20/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	B3	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	15.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values
(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-9
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B. ANDERSEN	02/20/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp(dw)/kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-9
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B. ANDERSEN	02/20/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	102.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: ~~S9QT003~~ S9Q5003

Lab Name	Katahdin ASI	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM0320-9
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0956.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/23/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC'a Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9QS003

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9QS00

Matrix (soil/water): WATER Lab Sample ID: WM0320-9

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	17.0	B	E	P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	1.0	B	E	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.21	U		P
7440-70-2	Calcium__	14.2	U	E	P
7440-47-3	Chromium_	0.63	U		P
7440-48-4	Cobalt___	0.71	U		P
7440-50-8	Copper___	1.7	B		P
7439-89-6	Iron____	42.4	B	E	P
7439-92-1	Lead____	1.1	U	E	P
7439-95-4	Magnesium	15.6	U	E	P
7439-96-5	Manganese	1.3	B	E	P
7439-97-6	Mercury__	0.10	B		CV
7440-02-0	Nickel___	1.2	U		P
7440-09-7	Potassium	587	U		P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	52.1	B		P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	0.90	U		P
7440-66-6	Zinc____	6.8	U		P
	Cyanide__	1.5	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0320-11
Report Date: 03/13/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Methylene chloride	JB3	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
Acetone	12.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/23/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-11
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/23/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/23/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/23/96	LG	
Tetrachloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0320-11
Report Date: 03/13/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B. ANDERSEN	02/21/96	02/22/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/23/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
Dibromofluoromethane (Surr.)	101.	%	1.0		EPA 8260	02/23/96	LG	
Toluene-d8 (Surr.)	97.	%	1.0		EPA 8260	02/23/96	LG	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	02/23/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/23/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/13/96

LJO/jcbeaw/gbp (dw) /kwh
MB23VLW2

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QS004

Lab Name	Katahdin ASI	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM0320-11
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	I0958.D
Level: (low/med)	low	Date Received:	2/22/96
% Moisture: not dec.	N/A	Date Analyzed:	2/23/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9QS004

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9QS00

Matrix (soil/water): WATER Lab Sample ID: WM0320-11

Level (low/med): LOW__ Date Received: 02/22/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	16.4	B	E	P
7440-36-0	Antimony_	4.1	U		P
7440-38-2	Arsenic__	3.4	U		P
7440-39-3	Barium___	0.30	B	E	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.21	U		P
7440-70-2	Calcium__	14.7	B	E	P
7440-47-3	Chromium_	0.63	U		P
7440-48-4	Cobalt___	0.71	U		P
7440-50-8	Copper___	0.76	U		P
7439-89-6	Iron____	25.4	U	E	P
7439-92-1	Lead____	1.1	U	E	P
7439-95-4	Magnesium	15.6	U	E	P
7439-96-5	Manganese	0.69	B	E	P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.2	U		P
7440-09-7	Potassium	587	U		P
7782-49-2	Selenium_	5.3	U		P
7440-22-4	Silver___	5.2	U		P
7440-23-5	Sodium___	83.5	B		P
7440-28-0	Thallium_	5.8	U		P
7440-62-2	Vanadium_	0.90	U		P
7440-66-6	Zinc____	9.7	B		P
_____	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromomethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Methylene chloride	JB2	µg/L	1.0	3.0	EPA 8260	02/17/96	LG	
Acetone	B8	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Carbon disulfide	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	02/17/96	LG	
1,1-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Total 1,2-Dichloroethene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Chloroform	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,2-Dichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1,1-Trichloroethane	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromodichloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,2-Dichloropropane	<2.5	µg/L	1.0	2.5	EPA 8260	02/17/96	LG	
cis-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Trichloroethene	<2.5	µg/L	1.0	2.5	EPA 8260	02/17/96	LG	
Dibromochloromethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
1,1,2-Trichloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Benzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
trans-1,3-Dichloropropene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Bromoform	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	02/17/96	LG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	02/17/96	LG	
Tetrachloroethene	4.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,1,2,2-Tetrachloroethane	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Toluene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<5.	µg/L	1.0	5.0	EPA 8260	02/17/96	LG	
Ethylbenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Styrene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Total Xylenes	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
Dibromofluoromethane (Surr.)	97.	%	1.0		EPA 8260	02/17/96	LG	
Toluene-d8 (Surr.)	107.	%	1.0		EPA 8260	02/17/96	LG	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	02/17/96	LG	
1,2-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,3-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	
1,4-Dichlorobenzene	<2.	µg/L	1.0	2.0	EPA 8260	02/17/96	LG	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbalr/gbp(dw)/kwh
MB16VLW2

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: SIQD001

Lab Name	Katahdin ASI	SDG No.:	S1QT001
Matrix (soil/water)	Water	Lab Sample ID:	WM0296-16
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	F5495.D
Level: (low/med)	low	Date Received:	2/16/96
% Moisture: not dec.	N/A	Date Analyzed:	2/17/96
GC Column:	RTX-624 ID: 0.18	Dilution Factor:	1.0
Soil Extract Volume:	0 (ul)	Soil Aliquot Volume:	0 (ul)

Number of TIC's Found: 0

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1
Phenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
bis(2-Chloroethyl)ether	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2-Chlorophenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
1,3-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
1,4-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
1,2-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
bis(2-Chloroisopropyl) ether	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
4-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
n-Nitroso-dipropylamine	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Hexachloroethane	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Nitrobenzene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Isophorone	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2-Nitrophenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.
(1) Sample Preparation on 02/19/96 by NEN using EPA 3520

03/11/96

LJO/jcbgbp(dw)/kwh
MB19BNW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4-Dimethylphenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
bis(2-Chloroethoxy)methane	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2,4-Dichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
1,2,4-Trichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Naphthalene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
4-Chloroaniline	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Hexachlorobutadiene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
4-Chloro-3-methylphenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2-Methylnaphthalene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Hexachlorocyclopentadiene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2,4,6-Trichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2,4,5-Trichlorophenol	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
2-Chloronaphthalene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
Dimethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Acenaphthylene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbgbp(dw)/kwh
MB19ENW2

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

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

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,6-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
3-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
Acenaphthene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2,4-Dinitrophenol	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
4-Nitrophenol	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
Dibenzofuran	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2,4-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Diethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
4-Chlorophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Fluorene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
4-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
4,6-Dinitro-2-methylphenol	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	
n-Nitrosodiphenylamine	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
4-Bromophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Hexachlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Pentachlorophenol	<25.	µg/L	1.0	25	EPA 8270B	02/23/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbgbp (dw) /kwh
MB19BNW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Phenanthrene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Anthracene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Carbazole	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Di-n-butylphthalate	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Pyrene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Butyl benzylphthalate	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
3,3'-Dichlorobenzidine	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Benzo(a)anthracene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Chrysene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
bis(2-Ethylhexyl)phthalate	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Di-n-octylphthalate	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Benzo(b)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Benzo(k)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Benzo(a)pyrene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Indeno(1,2,3-cd)pyrene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbgbp(dw)/kwh
MB19BNW2

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

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

Katahdin
ANALYTICAL SERVICES

CLIENT: Data Management
EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-0296-16
Report Date: 03/11/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K. ILKER	02/15/96	02/16/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibenzo(a,h)anthracene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
Benzo(g,h,i)perylene	<10.	µg/L	1.0	10	EPA 8270B	02/23/96	TM	
2-Fluorophenol (% Recovery)	54.	%	1.0		EPA 8270B	02/23/96	TM	
Phenol-d5 (% Recovery)	53.	%	1.0		EPA 8270B	02/23/96	TM	
Nitrobenzene-d5 (% Recovery)	50.	%	1.0		EPA 8270B	02/23/96	TM	
2-Fluorobiphenyl (% Recovery)	46.	%	1.0		EPA 8270B	02/23/96	TM	
2,4,6-Tribromophenol (% Recovery)	71.	%	1.0		EPA 8270B	02/23/96	TM	
Terphenyl-d14 (% Recovery)	66.	%	1.0		EPA 8270B	02/23/96	TM	

* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

03/11/96

LJO/jcbgbp(dw)/kwh
MB19BNW2

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name: Katahdin ASI

SDG No.: S1QD001

Matrix (soil/water): Water

Lab Sample ID: WM0296-16

Sample wt/vol: 1000 (g/ml) ml

Lab File ID: X0368

Level: (low/med) low

Date Received: 2/16/96

% Moisture: not dec. N/A N (Y/N) Decanted

Date Extracted: 2/19/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 2/23/96

Injection Volume 1.0 (ul)

Dilution Factor: 1.0

GPC Cleanup: N (Y/N)

Soil Aliquot Volume: 0 (ul)

pH: N/A

CONCENTRATION UNITS (ug/L or ug/KG) ug/L

Number of TIC's: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123422	2-Pentanone, 4-hydroxy-4-methyl-	5.31	4	JNA
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1QD001

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S1QT00

Matrix (soil/water): WATER Lab Sample ID: WM0296-16

Level (low/med): LOW__ Date Received: 02/16/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	40.6	B		P_
7440-36-0	Antimony_	4.1	U		P_
7440-38-2	Arsenic__	3.4	U		P_
7440-39-3	Barium___	0.62	B		P_
7440-41-7	Beryllium	0.09	U		P_
7440-43-9	Cadmium__	0.21	U		P_
7440-70-2	Calcium__	94.8	B		P_
7440-47-3	Chromium_	0.63	U		P_
7440-48-4	Cobalt___	0.71	U		P_
7440-50-8	Copper___	0.98	B		P_
7439-89-6	Iron____	25.4	U		P_
7439-92-1	Lead____	1.1	U		P_
7439-95-4	Magnesium	28.7	B		P_
7439-96-5	Manganese	0.83	B		P_
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.2	U		P_
7440-09-7	Potassium	587	U		P_
7782-49-2	Selenium_	5.3	U		P_
7440-22-4	Silver___	5.2	U		P_
7440-23-5	Sodium___	44.9	B		P_
7440-28-0	Thallium_	5.8	U		P_
7440-62-2	Vanadium_	0.90	U		P_
7440-66-6	Zinc____	6.8	U		P_
_____	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0