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Final Report

Monitoring Event 6 - June 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

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Newburgh, New York 12550

October 1996
296.0047

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Michael S. Battle, P.G. — Date 10/3/96
CTO Manager

Sam Morekas — Date 9/27/96
Program Manager

October 1996

QUALITY REVIEW STATEMENT

Contract No. N62472-92-D-1296 EA Project Number: 29600.47.7296
Contract Task Order No. 0047
Activity: Naval Air Station, Brunswick, Maine

Description of Report/Deliverable:

Final Report, Monitoring Event 6 - June 1996, Site 9; Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine

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

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

Senior Technical Reviewer(s)

Gloria D. McCleary 9/24/96

Gloria D. McCleary, P.E., Senior Engineer (Date)
Maine P.E. Registration No. 4885

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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] 1994a). A Long-Term Monitoring Plan (LTMP) was established pursuant to the Interim Groundwater Record of Decision (ABB-ES 1995). The Quality Assurance Project Plan prepared for long-term monitoring activities is contained in a companion LTMP prepared for Building 95 and Sites 1 and 3 and the Eastern Plume (ABB-ES 1994b).

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.

This report provides the results for the June 1996 monitoring/sampling event (Monitoring Event 6).

1.2 MEASUREMENT OF WATER LEVEL ELEVATIONS

Water level measurements were obtained during Monitoring Event 6 on 13 June 1996 at the 13 ground-water monitoring wells specified in the LTMP indicated in Table 1. Although not required by the LTMP, bimonthly water table elevations were collected from Site 9 wells on 13 May and 1 July 1996. These additional bimonthly water table elevation data were collected to identify seasonal fluctuations in water table elevations, and to identify any significant variations in ground-water flow directions with time. The locations of the wells are provided on Figure 2. The gauging procedures are detailed in the final report for Monitoring Event 4 (EA 1996) and the LTMP (ABB-ES 1994b).

1.3 GROUND-WATER MONITORING, SAMPLING, AND ANALYSIS

The ground-water sampling program was performed on 25-27 June 1996 in accordance with the general methodologies established in the LTMP (ABB-ES 1994b). 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 final report for Monitoring Event 4 (EA 1996).

Ground-water samples were collected from the 11 wells specified in the LTMP during the June 1996 sampling event using the low flow sampling technique. Annual samples were collected during Monitoring Event 6 at 2 wells (MW-NASB-077 and MW-NASB-078) as required by the LTMP (ABB-ES 1995).

Water quality indicator parameters, including pH, conductivity, temperature, dissolved oxygen, and turbidity, were measured during well purging. Stabilization of water quality indicator parameters was achieved when measurements agreed to within approximately 10 percent on three successive readings. Although not required by the LTMP, oxidation-reduction potential (Eh) was recorded for informational purposes and was measured during well purging and sampling. Slowly recharging wells were purged at the lowest flow rate obtainable with the submersible pump (i.e., 0.1-0.2 L/minute). All monitoring wells reached equilibrium of the water quality indicator parameters prior to sampling, although turbidity was measured in excess of 10 nephelometric turbidity units (NTU) at 1 well (MW-NASB-074; 12 NTU).

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. Five of 11 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 STATION SEEP/SEDIMENT SAMPLING AND ANALYSIS

The surface water, sediment, and leachate station seep/sediment sampling program was performed on 26 June 1996, in accordance with the general methodologies established in the LTMP (ABB-ES 1994b). Surface water and sediment samples were collected from 7 stations located along the streams south of Site 9. Annual samples were collected at SW/SED-916 during the June 1996 monitoring event. 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 station seep/sediment sampling program.

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 station 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 7 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 26 June 1996 by a civil engineer in accordance with the LTMP (ABB-ES 1995). 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 and in good condition, with the exception of MW-NASB-069, which was observed to have a broken latch and bent protective casing. Well MW-NASB-069 was subsequently repaired. 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 June 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). Field monitoring and sampling forms are presented in Appendix A.

1.7 ANALYTICAL DATA QUALITY REVIEW

As required by the LTMP (ABB-ES 1995), a 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 13 May 1996 (bimonthly data), 13 June 1996 (Monitoring Event 6 data), and 1 July 1996 (bimonthly data) are provided in Table 2. The Field Record of Well Gauging forms completed during the well gauging events are provided in Appendix A.. All 13 wells were gauged during May, June, and July 1996 in accordance with the procedures outlined in the LTMP (ABB-ES 1995).

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, although significant variations occur in the vicinity of the streams located south of Neptune Drive. Figures 4 through 6 provide the interpreted ground-water flow directions for the subject site for the 13 May, 13 June, and 1 July 1996 well gauging data.

The hydraulic gradient across the subject site is characterized as shallow at 1.6 percent (0.016 ft per foot) as measured parallel to the direction of ground-water flow between MW-NASB-070 and MW-NASB-075 during the 13 June 1996 monitoring event.

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. The completed Field Record of Well Gauging, Purging, and Sampling forms are provided in Appendix A. Water quality indicator parameter measurements were consistent with prior 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. 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 June 1996 sampling event indicate that 8 VOC were detected at reportable concentrations in the ground-water samples. VOC were reported in 6 of 11 wells sampled, with the exception of a low concentration of acetone in a single trip blank. Fourteen TAL elements were reported in ground-water samples. TAL elements were reported in the 5 wells sampled for this parameter.

Notable results of ground-water sampling during Monitoring Event 6 include:

- Vinyl chloride, a contaminant of concern, was reported in 4 of 11 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 5 wells (MW-NASB-069, MW-NASB-071, MW-NASB-079, MW-NASB-080, and MW-NASB-081).

- Manganese was reported above the corresponding State Maximum Exposure Guideline of 200 μg/L in 1 well (MW-NASB-071; 343 μg/L).

2.4 SURFACE WATER

Table 6 provides a summary of the VOC detected in surface water samples collected at Site 9. A summary of tentatively identified compounds for VOC reported in surface water samples is provided in Appendix C. Appendix D contains the summary tables for the analyses performed. Sample locations are provided on Figure 2.

Data generated as a result of the June 1996 sampling event indicate that 3 VOC were detected at reportable concentrations. One VOC reported in surface water (acetone) was reported in the trip blank, rinsate blank, and source water blank, and is considered a laboratory contaminant. With the exception of acetone, no VOC were reported in the surface water samples collected at SW-010, SW-011, SW-916, and SW-922.

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.

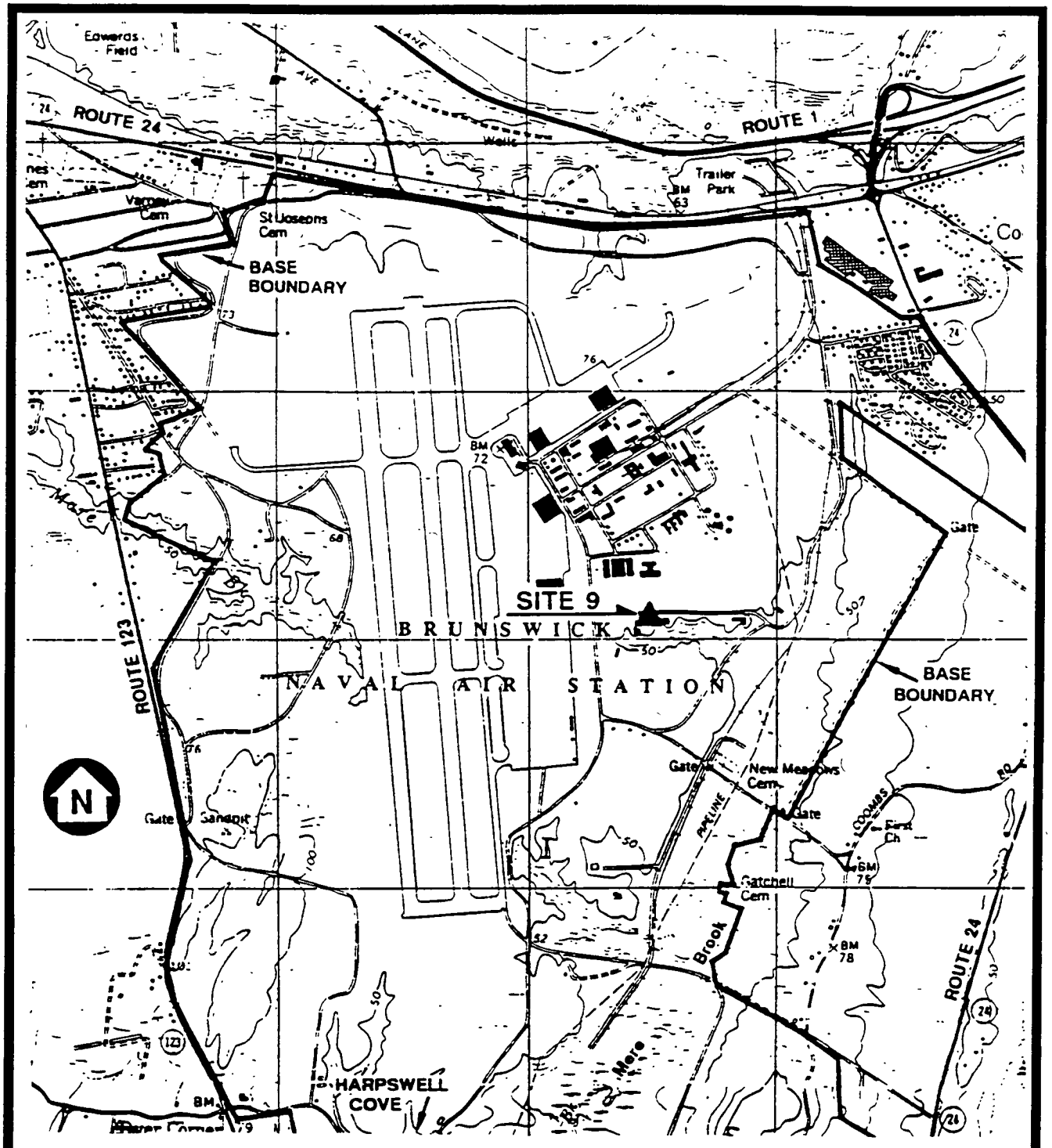
One of 5 VOC reported in sediment (acetone) was reported in the corresponding trip blank, equipment rinsate blank, and source water blank and is considered a field or laboratory contaminant. Methylene chloride was reported in the associated method blank and is considered a laboratory contaminant. With the exception of acetone and methylene chloride, there were no reported concentrations of VOC in 5 of 6 sediment samples.

A total of 19 semivolatile organic compounds were reported. Semivolatile organic compounds were reported in all 5 sediment samples.

2.6 LEACHATE SEEP AND SEDIMENT

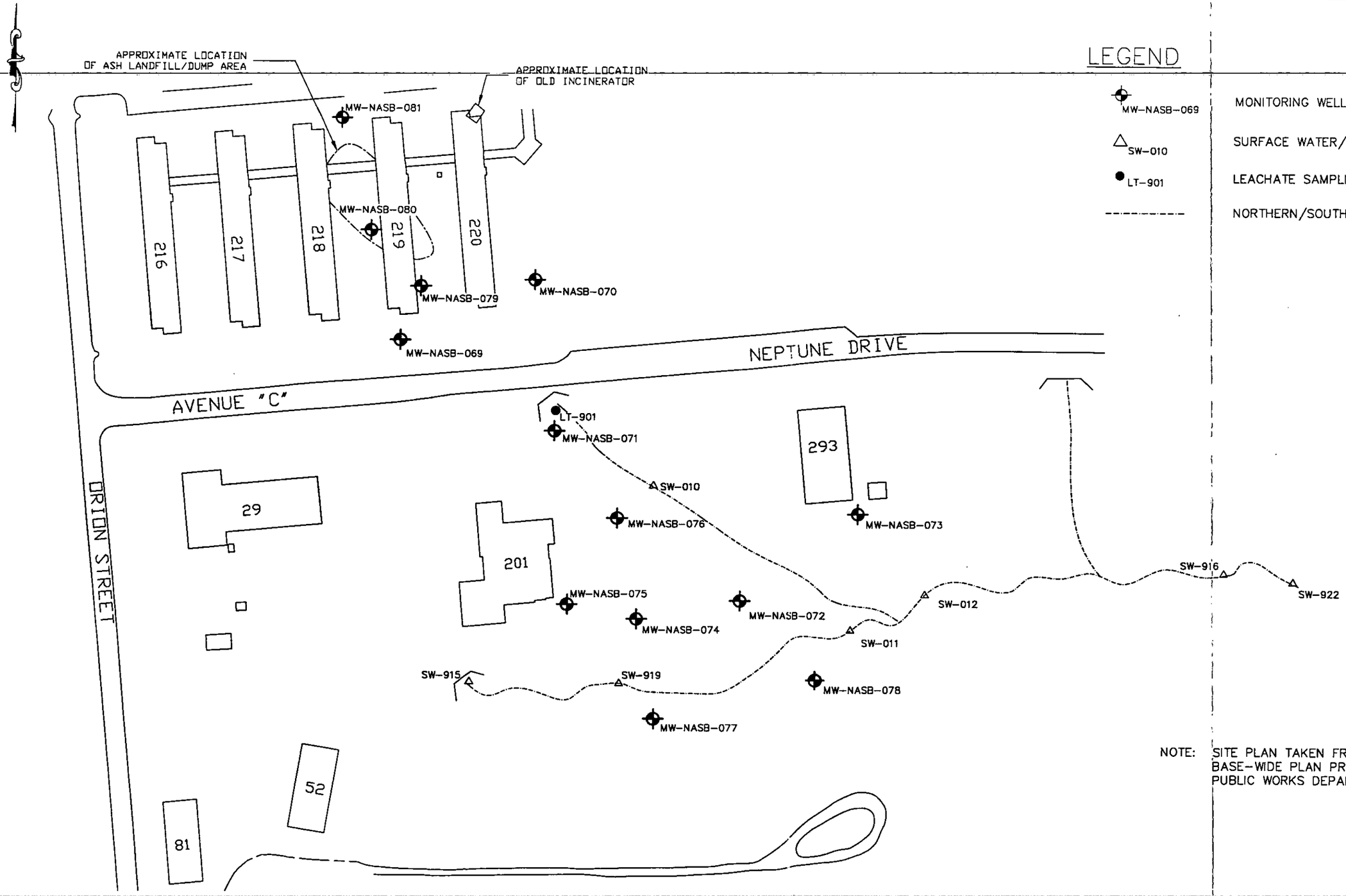
Table 8 provides a summary of the constituents detected in leachate seep and sediment samples collected at Site 9. Appendix C provides a summary of the tentatively identified compounds reported in seep and sediment samples. Appendix D contains the summary tables for the analyses performed on leachate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

Eight VOC were reported at low concentrations in the sediment sample. Acetone was reported at low concentrations in the leachate seep and sediment samples, trip blank, equipment rinse blank, and source water blank, and is a suspected field or laboratory artifact. No VOC were reported in the leachate seep sample. A total of 21 inorganics were reported in leachate seep and sediment samples. Inorganics were reported in all leachate seep and sediment samples.



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

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



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.

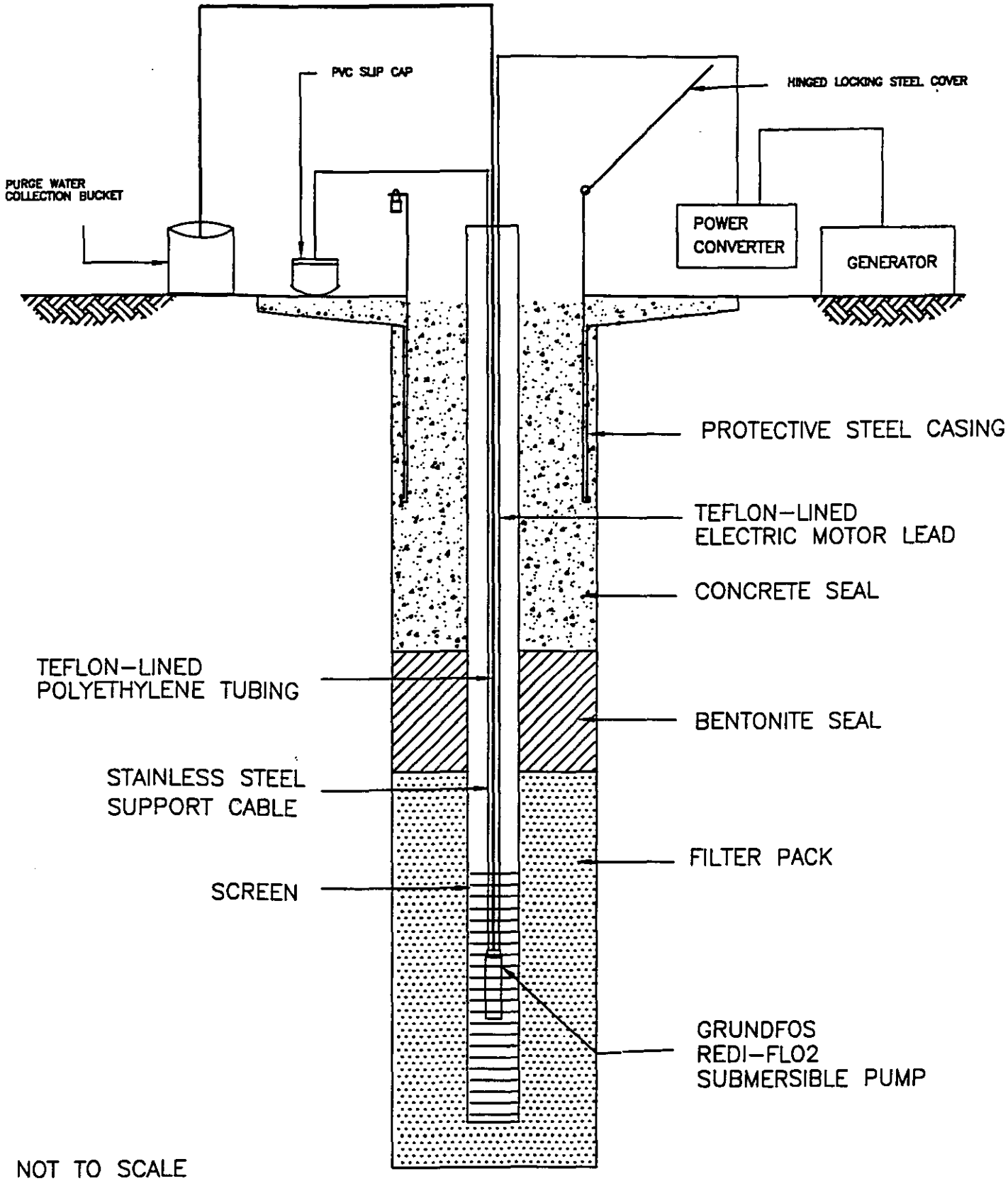
DWG. FILE No. F:\CAD\29600\47\S9EV2

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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

FIGURE 2
SITE PLAN

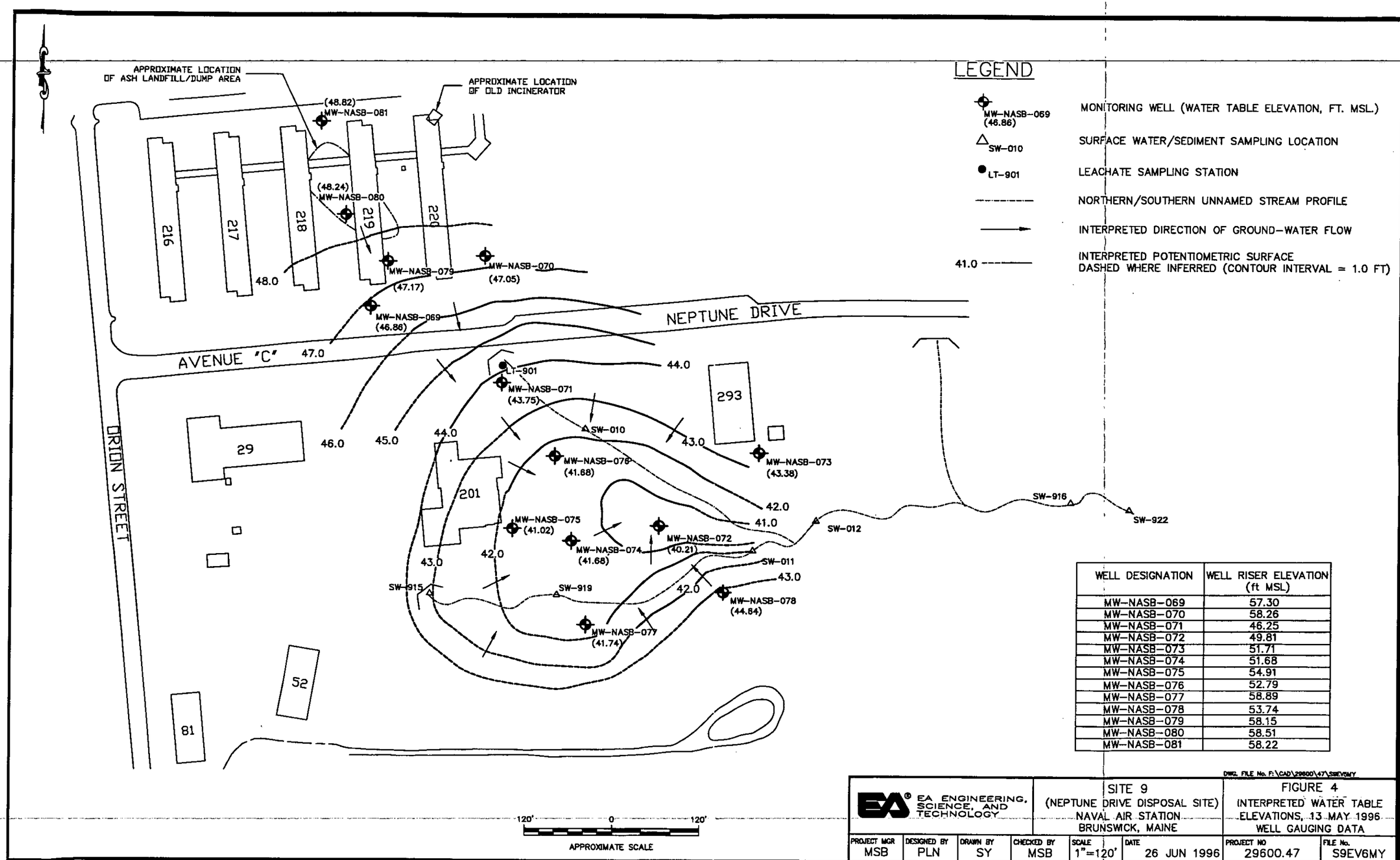
PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
MSB		SY	MSB	1"=120'	8 DEC 95	29600.47	S9EV2



NOT TO SCALE

DWG. FILE No. F:\CAD\AGWELL

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



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

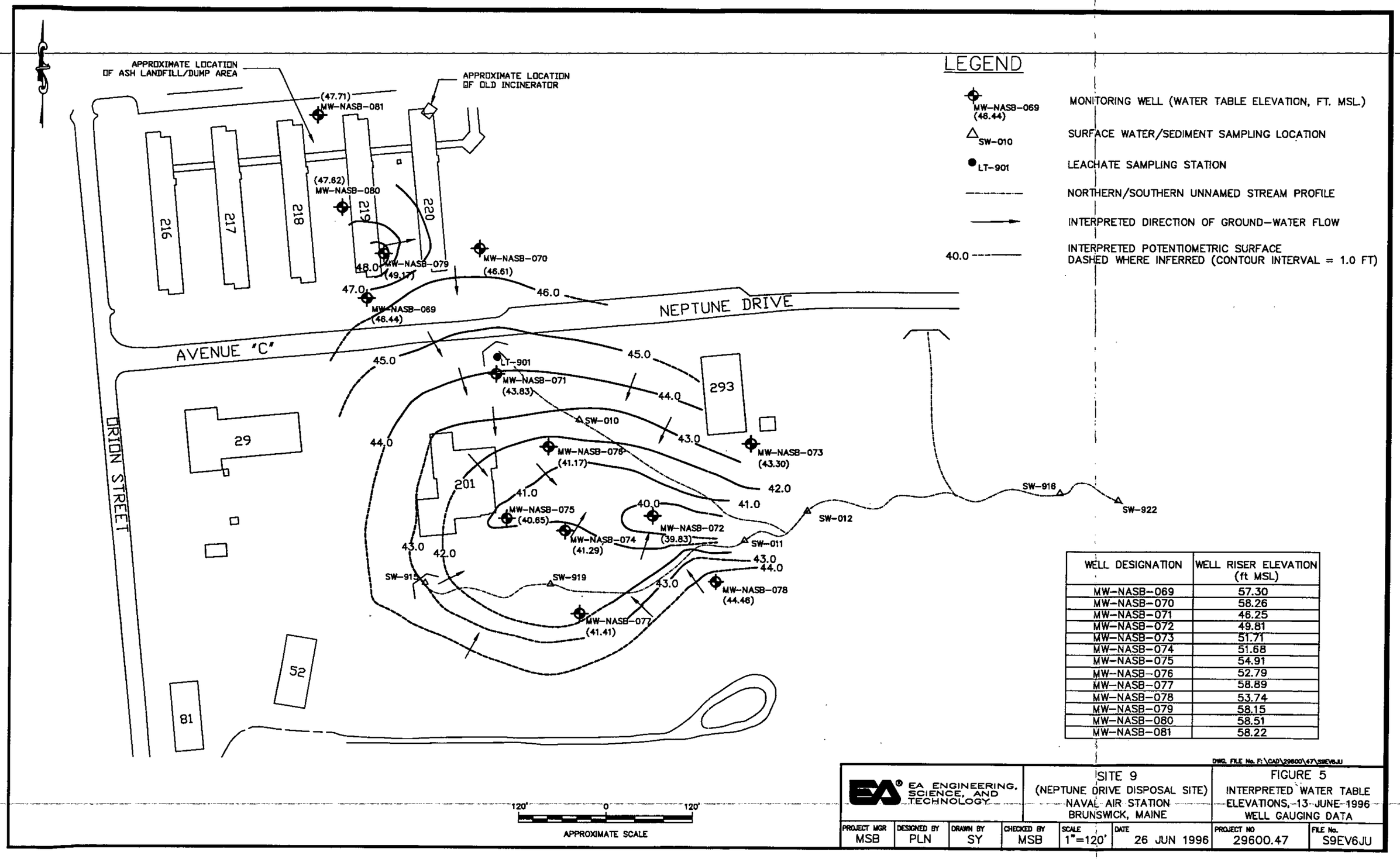
DWG. FILE No. F:\CAD\29600\47\S9EV5MY

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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

FIGURE 4
INTERPRETED WATER TABLE ELEVATIONS, 13 MAY 1996
WELL GAUGING DATA

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
MSB	PLN	SY	MSB	1"=120'	26 JUN 1996	29600.47	S9EV6MY



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

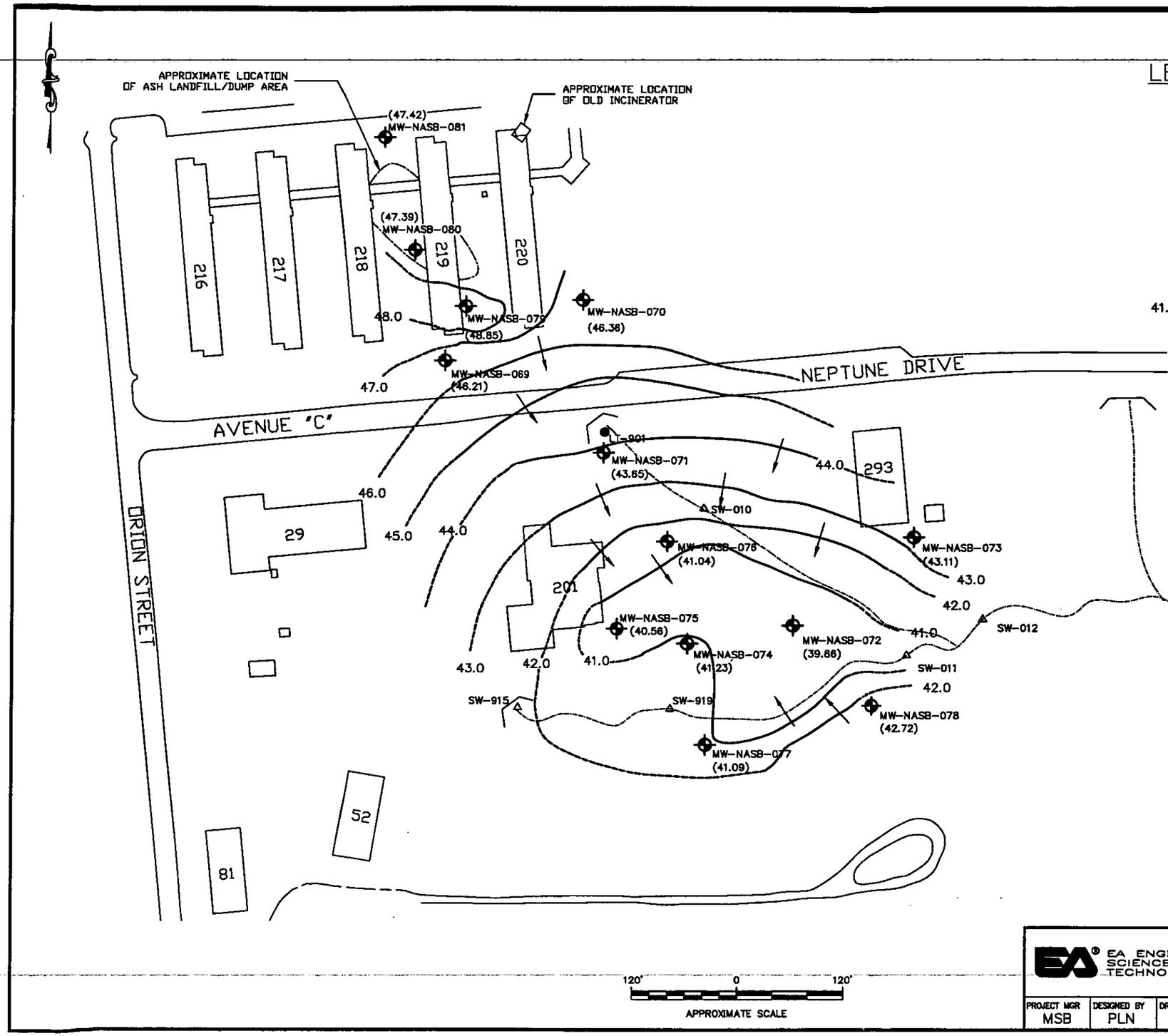
DWG. FILE No. F:\CAD\29600\47\S9EV6JU

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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

FIGURE 5
INTERPRETED WATER TABLE ELEVATIONS, 13 JUNE 1996
WELL GAUGING DATA

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
MSB	PLN	SY	MSB	1"=120'	26 JUN 1996	29600.47	S9EV6JU



LEGEND

MW-NASB-069 (46.21)	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\S9EV6

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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

FIGURE 6
INTERPRETED WATER TABLE ELEVATIONS, 1 JULY 1996
WELL GAUGING DATA

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
MSB	PLN	SY	MSB	1"=120'	26 JUN 1996	29600.47	S9EV6

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 6	
			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]	
MW-NASB-071	MW-903	Quarterly	X		X	X	X	X
MW-NASB-072	MW-904	Quarterly	X		X	X	X	X
MW-NASB-073	MW-905	Quarterly				X[b]	X[b]	
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	X
MW-NASB-078	MW-910	Annually	X			X	X	X
MW-NASB-079	MW-914	Quarterly	X		X	X	X	X
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 and Eh measurement.
(b) Indicates water level measurement only.

NOTE: NA = Not applicable
SVOC = Semivolatile organic compounds
TAL = Target Analyte List
TCL = Target Compound List
VOC = Volatile organic compounds (EPA SW-846).
Annual ground-water, surface water, and sediment samples were collected during the June 1996 sampling event.

Sample Type/Location	Monitoring Frequency	Sample Parameters				Event 6	
		TCL VOC	TCL SVOC	TAL Elements	Field Parameters[a]	Gauged	Sampled
Leachate Station[c]							
LT-901 (SEEP)	Quarterly	X		X	X	X	X
LT-901 (SED)	Quarterly	X		X			X
Surface Water							
SW-010	Quarterly	X			X	X	X
SW-011	Quarterly	X			X	X	X
SW-012	Quarterly	X			X	X	X
SW-915	Quarterly	X			X	X	X
SW-916	Annually	X			X	X	X
SW-919	Quarterly	X			X	X	X
SW-922	Quarterly	X			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

(c) Sampling will occur if sufficient flow is available.

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

Well Designation	Previous Well Designation	Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of PVC well riser)	Bimonthly Gauging Data (13 May 1996)		Event 6 Gauging Data (13 June 1996)		Bimonthly Gauging Data (1 July 1996)	
				Depth to Water (ft below top of PVC well riser)	Water Table Elevation (ft MSL)	Depth to Water (ft below top of PVC well riser)	Water Table Elevation (ft MSL)	Depth to Water (ft below top of PVC well riser)	Water Table Elevation (ft MSL)
MW-NASB-069	MW-901	57.30	42.42	10.44	46.86	10.86	46.44	11.09	46.21
MW-NASB-070	MW-902	58.26	27.32	11.21	47.05	11.65	46.61	11.90	46.36
MW-NASB-071	MW-903	46.25	21.54	2.50	43.75	2.42	43.83	2.60	43.65
MW-NASB-072	MW-904	49.81	14.63	9.60	40.21	9.98	39.83	9.95	39.86
MW-NASB-073	MW-905	51.71	32.12	8.33	43.38	8.41	43.30	8.60	43.11
MW-NASB-074	MW-906	51.68	27.12	10.00	41.68	10.39	41.29	10.45	41.23
MW-NASB-075	MW-907	54.91	21.22	13.89	41.02	14.26	40.65	14.35	40.56
MW-NASB-076	MW-908	52.79	19.94	11.11	41.68	11.62	41.17	11.75	41.04
MW-NASB-077	MW-909	58.89	37.29	17.15	41.74	17.48	41.41	17.80	41.09
MW-NASB-078	MW-910	53.74	14.93	9.10	44.64	9.28	44.46	11.02	42.72
MW-NASB-079	MW-914	58.15	18.92	10.98	47.17	8.98	49.17	9.30	48.85
MW-NASB-080	MW-915	58.51	19.04	10.27	48.24	10.89	47.62	11.12	47.39
MW-NASB-081	MW-916	58.22	18.85	10.00	48.22	10.51	47.71	10.80	47.42

NOTE: MSL = Mean sea level.

TABLE 3 SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN GROUND-WATER SAMPLES COLLECTED ON 25-27 JUNE 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)	Eh (mV)
Monitoring Wells							
MW-NASB-069	MW-901	6.14	16.7	210	0.20	1	84
MW-NASB-071	MW-903	6.15	13.5	266	0.18	5	-18
MW-NASB-072	MW-904	6.38	14.4	222	3.16	7	92
MW-NASB-074	MW-906	6.34	16.6	246	0.35	12	44
MW-NASB-075	MW-907	6.27	17.5	310	0.24	3	122
MW-NASB-076	MW-908	5.76	16.4	312	0.15	0	-11
MW-NASB-077	MW-909	5.77	12.6	44	3.82	5	151
MW-NASB-078	MW-910	4.89	12.9	62	5.60	0	209
MW-NASB-079	MW-914	6.53	17.8	222	0.38	6	-130
MW-NASB-080	MW-915	6.73	25.1	296	0.24	3	-92
MW-NASB-081	MW-916	6.44	22.3	458	2.18	2	87

NOTE: NTU = Nephelometric turbidity unit.

TABLE 4 SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN SURFACE WATER AND LEACHATE SEEP SAMPLES COLLECTED ON 26 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Sample Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Surface Water						
SW- 010	6.65	12.8	236	5.68	1	4
SW-011	6.41	12.1	190	8.33	0	1
SW-012	6.29	12.2	192	7.95	0	10
SW-915	6.67	12.1	118	8.77	0	-10
SW-916	6.18	13.0	186	9.28	0	53
SW-919	6.69	12.1	188	8.24	0	-38
SW-922	5.84	12.6	188	9.53	0	86
Leachate Seep						
LT-901	6.36	15.0	318	1.10	91	-74

NOTE: NTU = Nephelometric turbidity unit.

TABLE 5 SUMMARY OF ANALYTICAL RESULTS FOR GROUND-WATER SAMPLES COLLECTED ON 25-27 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	PQL (μg/L)[a]	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-077 MW-909	MW-NASB-078 MW-910	MEG[b]	MCL[c]
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)												
Acetone	5.0	(<5U)	(<5U)	3J	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	---	---
Total 1,2-Dichloroethene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	7	(<1U)	(<1U)	(<1U)	(<1U)	70	70
Vinyl chloride	2.0	(<2U)	(<2U)	(<2U)	**3**	**2**	**10**	**6**	(<2U)	(<2U)	0.15	2
1,1-Dichloroethane	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1	(<1U)	(<1U)	(<1U)	70	---
1,2-Dichloroethane	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	5	5
1,2-Dichlorobenzene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1	600	600
1,4-Dichlorobenzene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1	600	600
2-Butanone	5.0	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	5J	(<5U)	27	75
Ethylbenzene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	700	700
Total xylenes	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	600	10,000
Toluene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1	(<1U)	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: U = Not detected. Sample quantitation limits are shown as (<____U).
J = Estimated concentration below detection limit.
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).

Analyte	PQL (μg/L)[a]	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-077 MW-909	MW-NASB-078 MW-910	MEG[b]	MCL[c]
TARGET ANALYTE LIST ELEMENTS BY EPA SERIES METHODS SW-846 6000/7000/9000(μg/L)												
Aluminum	100.0	NR	21.8	25.0B*	39.1B*	NR	NR	NR	NR	NR	1,430	50-200[d]
Arsenic	8.0	NR	5.7B*	5.8B*	(<3.0U)	NR	NR	NR	NR	NR	---	50
Barium	5.0	NR	6.5	6.5	6.4	NR	NR	NR	NR	NR	1,500	2,000
Beryllium	5.0	NR	(<0.20U)	(<0.20U)	(<0.20U)	NR	NR	NR	NR	NR	---	4
Cadmium	5.0	NR	(<0.30U)	(<0.30U)	(<0.30U)	NR	NR	NR	NR	NR	5	5
Calcium	50.0	NR	14,200	13,300	190,000	NR	NR	NR	NR	NR	---	---
Chromium	15.0	NR	(<0.70U)	(<0.70U)	0.96B*	NR	NR	NR	NR	NR	100	100
Cobalt	30.0	NR	1.8B*	1.1B*	0.71B*	NR	NR	NR	NR	NR	---	---
Copper	25.0	NR	(<0.70U)	(<0.70U)	(<0.70U)	NR	NR	NR	NR	NR	---	1,300[e]
Iron	25.0	NR	11,500	11,200	46.6B*	NR	NR	NR	NR	NR	---	300[e]
Lead	5.0	NR	(<1.0U)	(<1.0U)	(<1.0U)	NR	NR	NR	NR	NR	---	15[e]
Magnesium	50.0	NR	6,840	6,410	4,740	NR	NR	NR	NR	NR	---	---
Manganese	5.0	NR	**343**	**321**	169	NR	NR	NR	NR	NR	200	50[d]
Mercury	0.2	NR	(<0.10U)	(<0.10U)	(<0.10U)	NR	NR	NR	NR	NR	2	2
Nickel	40.0	NR	(<1.0U)	(<1.0U)	1.2B*	NR	NR	NR	NR	NR	100	100
Potassium	1,000.0	NR	3,100	2,830	1,580	NR	NR	NR	NR	NR	---	---
Sodium	100.0	NR	37,100	35,100	10,000	NR	NR	NR	NR	NR	---	---
Vanadium	25.0	NR	(<0.60U)	(<0.60U)	0.73B*	NR	NR	NR	NR	NR	---	---
Zinc	25.0	NR	3.0B*	7.4B*	2.0B*	NR	NR	NR	NR	NR	---	5,000[d]
Cyanide	20.0	NR	(<1.3U)	(<1.3U)	(<1.3U)	NR	NR	NR	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 Contract Required Detection Limit.

Analyte	PQL[a] (μg/L)	MW-NASB-079 MW-914	MW-NASB-080 MW-915	MW-NASB-081 MW-916	MW-NASB-081 DUP MW-916 DUP	QT-004	QT-005	QT-006	QT-007	MEG[b]	MCL[c]
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)											
Methylene chloride	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	---	5
Acetone	5.0	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	4J	(<5U)	---	---
Total 1,2-Dichloroethene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	70	70
Vinyl chloride	2.0	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	0.15	2
1,1-Dichloroethane	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	70	---
1,2-Dichloroethane	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	5	5
1,2-Dichlorobenzene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	600	600
1,4-Dichlorobenzene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	600	600
2-Butanone	5.0	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	27	75
Ethylbenzene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	700	700
Total xylenes	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	600	10,000
Toluene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1,400	1,000

NOTE: QT = Trip blank. Samples associated with QT-005 and QT-006 were analyzed under a separate sample delivery group shipped on the same day.

Analyte	PQL[a] (μg/L)	MW-NASB-079 MW-914	MW-NASB-080 MW-915	MW-NASB-081 MW-916	MW-NASB-081 DUP MW-916 DUP	QT-004	QT-005	QT-006	QT-007	MEG[b]	MCL[c]
TARGET ANALYTE LIST ELEMENTS BY EPA SERIES METHODS SW-846 6000/7000/9000(μg/L)											
Aluminum	100.0	36.6B*	53.5B*	39.3B*	32.5B*	NR	NR	NR	NR	1,430	50-200[d]
Barium	5.0	251	814	65.3	64.2	NR	NR	NR	NR	1,500	2,000
Beryllium	5.0	(<0.20U)	(<0.20U)	(<0.20U)	(<0.20U)	NR	NR	NR	NR	---	4
Cadmium	5.0	(<0.30U)	(<0.30U)	(<0.30U)	(<0.30U)	NR	NR	NR	NR	5	5
Calcium	50.0	31,900	64,600	60,400	57,900	NR	NR	NR	NR	---	---
Chromium	15.0	(<0.70U)	1.9B*	6.0B*	2.1B*	NR	NR	NR	NR	100	100
Cobalt	30.0	(<0.70U)	(<0.70U)	1.1B*	(<0.70U)	NR	NR	NR	NR	---	---
Copper	25.0	(<0.70U)	(<0.70U)	0.83B*	(<0.70U)	NR	NR	NR	NR	---	1,300[e]
Iron	25.0	20,500	1,960	75.2	40.1B*	NR	NR	NR	NR	---	300[d]
Lead	5.0	(<1.0U)	(<1.0U)	(<1.0U)	(<1.0U)	NR	NR	NR	NR	---	15[c]
Magnesium	50.0	2,000	3,900	3,670	3,570	NR	NR	NR	NR	---	---
Manganese	5.0	125	122	29.0	21.3	NR	NR	NR	NR	200	50[d]
Mercury	0.2	(<0.10U)	(<0.10U)	(<0.10U)	(<0.10U)	NR	NR	NR	NR	2	2
Nickel	40.0	(<1.0U)	2.0B*	6.0B*	2.7B*	NR	NR	NR	NR	100	100
Potassium	1,000.0	3,230	6,960	10,700	10,200	NR	NR	NR	NR	---	---
Sodium	100.0	3,940	16,800	56,000	54,400	NR	NR	NR	NR	---	---
Vanadium	25.0	(<0.60U)	(<0.60U)	(<0.60U)	(<0.60U)	NR	NR	NR	NR	---	---
Zinc	25.0	3.2B*	5.4B*	5.4B*	3.3B*	NR	NR	NR	NR	---	5,000[d]
Cyanide	20.0	(<1.3U)	(<1.3U)	(<1.3U)	(<1.3U)	NR	NR	NR	NR	154	200

TABLE 6 SUMMARY OF ANALYTICAL RESULTS FOR SURFACE WATER SAMPLES COLLECTED ON 26 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Compound	Practical Quantitation Limit (μg/L)	SW-010	SW-011	SW-012	SW-915	SW-916	SW-919	SW-922	QT-006	QS-003	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)											
Acetone	5.0	(<5U)	6	(<5U)	(<5U)	(<5U)	(<5U)	7	4J	16	22
Methylene chloride	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Tetrachloroethene	1.0	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
2-Butanone	5.0	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	3J	(<5U)
Toluene	1.0	(<1U)	(<1U)	(<1U)	1	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Total xylenes	1.0	(<1U)	(<1U)	1	1	(<1U)	1	(<1U)	(<1U)	(<1U)	(<1U)

NOTE: QT = Trip blank.
QS = Equipment rinsate blank.
QD = Source water blank. QD-001 was analyzed under a separate sample delivery group shipped on 18 June 1996.
U = Not detected. Sample quantitation limits are shown as (<____U).
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 26 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Compound	Practical Quantitation Limit (μg/L)	SED-010[a]	SED-011[a]	SED-012	SED-012 DUP	SED-915[a]	SED-916	SED-919[a]	SED-922	QT-006 (μg/L)	QS-004 (μg/L)	QD-001 (μg/L)
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg)												
Acetone	5.0	4J	98	13	(<6.5U)	(<6U)	(<6.5U)	6J	(<6.5U)	4J	21	22
Methylene chloride	1.0	3B	6B	2B	(<1.3U)	3B	2B	3B	2B	(<1U)	(<1U)	(<1U)
2-Butanone	5.0	(<6U)	30	(<6.5U)	(<6.5U)	(<6U)	(<6.5U)	(<6U)	(<6.5U)	(<5U)	(<5U)	(<5U)
Tetrachloroethene	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
1,1,2,2-Tetrachloroethane	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
Total 1,2-Dichloroethene	1.0	4	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
Trichloroethene	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
Toluene	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
Total xylenes	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
1,2-Dichlorobenzene	1.0	(<1.2U)	4	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
1,3-Dichlorobenzene	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)
1,4-Dichlorobenzene	1.0	(<1.2U)	(<1.4U)	(<1.3U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1.2U)	(<1.3U)	(<1U)	(<1U)	(<1U)

(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. Samples associated with QS-004 were analyzed under a separate sample delivery group shipped the same day.
- QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 18 June 1996.
- 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 (μg/L)	SED-010[a]	SED-011[a]	SED-012	SED-012 DUP	SED-915[a]	SED-916	SED-919[a]	SED-922	QT-006 (μg/L)	QS-004 (μg/L)	QD-001 (μg/L)
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8270 (μg/kg)												
Naphthalene	330	31J	91J	(<430U)	(<430U)	330J	NR	(<400U)	NR	NR	(<10U)	NR
Acenaphthene	330	140J	(<460U)	48J	82J	770	NR	(<400U)	NR	NR	(<10U)	NR
Dibenzofuran	330	70J	(<460U)	(<430U)	42J	320J	NR	(<400U)	NR	NR	(<10U)	NR
Fluorene	330	140J	100J	54J	87J	620	NR	(<400U)	NR	NR	(<10U)	NR
Phenanthrene	330	1,300	1,400	620	880	5,300	NR	110J	NR	NR	(<10U)	NR
Anthracene	330	210J	(<460U)	71J	140J	1,000	NR	(<400U)	NR	NR	(<10U)	NR
Carbazole	330	190J	180J	61J	97J	720	NR	(<400U)	NR	NR	(<10U)	NR
Fluoranthene	330	1,700	5,300	790	1,300	19,000	NR	280J	NR	NR	(<10U)	NR
Pyrene	330	1,100	4,200	650	900	17,000	NR	260J	NR	NR	(<10U)	NR
Benzo(a)anthracene	330	700	1,500	360J	590	6,700	NR	120J	NR	NR	(<10U)	NR
Chrysene	330	700	1,900	390J	520	6,500	NR	86J	NR	NR	(<10U)	NR
Bis(2-ethylhexyl)phthalate	330	(<400U)	4,000	150J	92J	350J	NR	98J	NR	NR	(<10U)	NR
Benzo(b)fluoranthene	330	1,100	2,500	560	910	10,000	NR	210J	NR	NR	(<10U)	NR
Benzo(k)fluoroethane	330	(<400U)	(<460U)	(<430U)	(<430U)	(<400U)	NR	(<400U)	NR	NR	(<10U)	NR
Benzo(a)pyrene	330	630	890	290J	510	3,900	NR	100J	NR	NR	(<10U)	NR
Indeno(1,2,3-c,d)pyrene	330	330J	510	170J	280J	1,700	NR	60J	NR	NR	(<10U)	NR
Dibenzo(a,h)anthracene	330	67J	(<460U)	(<430U)	(<430U)	530	NR	(<400U)	NR	NR	(<10U)	NR
Benzo(g,h,i)perylene	330	360J	500	230J	300J	1,800	NR	83J	NR	NR	(<10U)	NR
Di-n-octylphthalate	330	(<400U)	(<460U)	(<430U)	(<430U)	310J	NR	(<400U)	NR	NR	(<10U)	NR
2-Methyl naphthalene	330	(<400U)	(<460U)	(<430U)	(<430U)	150J	NR	(<400U)	NR	NR	(<10U)	NR
Acenaphthylene	330	(<400U)	(<460U)	(<430U)	(<430U)	(<400U)	NR	(<400U)	NR	NR	(<10U)	NR

NOTE: NR = Analysis not required.

TABLE 8 SUMMARY OF ANALYTICAL RESULTS FOR THE SEEP AND SEDIMENT SAMPLES COLLECTED ON 26 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Practical Quantitation Limit (μg/L)	LT-901 (SEEP) (μg/L)	LT-901 (SEEP) DUP (μg/L)	LT-901 (SED)[a] (mg/kg)	LT-901 (SED)[a] DUP (mg/kg)	QT-006 (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	1.0	(<1U)	(<1U)	2	28	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	5.0	(<5U)	4J	16	260	4J	16	21	22
1,2-Dichloroethane	1.0	(<1U)	(<1U)	(<1.4U)	(<1.4U)	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1.0	(<1U)	(<1U)	0.8J	(<1.4U)	(<1U)	(<1U)	(<1U)	(<1U)
Tetrachloroethene	1.0	(<1U)	(<1U)	(<1.4U)	(<1.4U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichlorobenzene	1.0	(<1U)	(<1U)	3	4	(<1U)	(<1U)	(<1U)	(<1U)
1,3-Dichlorobenzene	1.0	(<1U)	(<1U)	3	4	(<1U)	(<1U)	(<1U)	(<1U)
1,4-Dichlorobenzene	1.0	(<1U)	(<1U)	3	5	(<1U)	(<1U)	(<1U)	(<1U)
2-Butanone	5.0	(<5U)	(<5U)	(<7U)	11	(<5U)	3J	(<5U)	(<5U)
Total xylenes	1.0	(<1U)	(<1U)	(<1.4U)	2	(<1U)	(<1U)	(<1U)	(<1U)

(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 18 June 1996.
U = Not detected. Sample quantitation limits are shown as (<___U).
J = Estimated concentration below the detection limit.
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 (μg/L)	LT-901 (SEEP) (μg/L)	LT-901 (SEEP) DUP (μg/L)	LT-901 (SED)[a] (mg/kg)	LT-901 (SED)[a] DUP (mg/kg)	QT-006 (μg/L)	QS-003 (SEEP) (μg/L)	QS-004 (SED) (μg/L)	QD-001 (μg/L)
TARGET ANALYTE LIST ELEMENTS BY EPA SERIES METHODS SW-846 6000/7000/9000 (μg/L)									
Aluminum	100.0	14,100	3,950	6,090	5,110	NR	(<10.2U)	(<10.2U)	24.2B*
Arsenic	8.0	62.6	19.7	3.0	2.2	NR	(<3.0U)	(<3.0U)	(<3.0U)
Barium	5.0	392	137	19.4	11.8	NR	(<0.30U)	0.53B*	0.61B*
Beryllium	5.0	0.75B*	(<0.20U)	0.23B*	0.21B*	NR	(<0.20U)	(<0.20U)	(<0.20U)
Cadmium	10.0	(<0.30U)	1.2B*	0.25B*	0.21B*	NR	(<0.30U)	(<0.30U)	(<0.30U)
Calcium	50.0	44,500	3,340	1,130	980	NR	50.6B*	47.9B*	45.2B*
Chromium	15.0	45.1	13.9B*	11.5	9.6	NR	(<0.70U)	(<0.70U)	1.1B*
Cobalt	30.0	9.4B*	3.3B*	4.1	4.0	NR	(<0.70U)	(<0.70U)	(<0.70U)
Copper	25.0	58.8	26.6	9.6	11.3	NR	(<0.70U)	(<0.70U)	(<0.70U)
Iron	25.0	403,000	123,000	9,500	8,520	NR	(<25.0U)	(<25.0U)	(<25.0U)
Lead	25.0	188	55.5	55.8	65.1	NR	(<1.0U)	(<1.0U)	(<1.0U)
Magnesium	50.0	7,790	4,130	2,660	2,320	NR	11.8B*	(<7.0U)	(<7.0U)
Manganese	5.0	1,610	715	92.4	85.0	NR	(<5.0U)	(<5.0U)	(<5.0U)
Mercury	0.2	0.19B*	0.11B*	0.04B*	0.04B*	NR	(<0.10U)	(<0.10U)	(<0.10U)
Nickel	40.0	31.1B*	9.0B*	11.6	12.5	NR	1.2B*	(<1.0U)	(<1.0U)
Potassium	1,000.0	6,200	4,080	1,060	526	NR	(<635U)	(<635U)	(<635U)
Selenium	10.0	6.1B*	(<3.7U)	(<0.40U)	(<0.41U)	NR	(<3.7U)	(<3.7U)	(<3.7U)
Sodium	100.0	48,400	47,500	90.1	94.6	NR	132	52.2B*	64.5B*
Vanadium	25.0	82.0	23.2B*	16.9	13.6	NR	0.72B*	(<0.60U)	(<0.60U)
Zinc	25.0	451	160	41.5	43.4	NR	6.0B*	4.0B*	4.4B*
Cyanide	20.0	4.5B*	6.0	(<0.08U)	(<0.07U)	NR	(<1.3U)	5.0	(<1.3U)

NOTE: NR = Analysis not required.
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.

REFERENCES

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

ABB-ES. 1994b. 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 Forms
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 Forms

Site 9

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name: NAS Brunswick LTMP	Project No: 29600.47	Date: 5/13/96
Weather/Temperature: Cloudy, breezy, 50°		
EA Personnel: Brian Andersen, Suzanne Chase	Equipment: Mini Rae 1503.6, slope indicator 23596	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm)		Casing/Seal Condition	Protective Casing Elevation (ft)	PVC Casing Elevation (ft)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft)
			Air Ambient	Well Mouth						
MW069	Yes/Yes	No	0.0	0.0	well casing bent			10.44		
MW070	Yes/Yes	Yes	0.0	0.0	Good			11.21		
MW071	Yes/Yes	Yes	0.0	0.0	Good			2.50		
MW072	Yes/Yes	Yes	0.0	0.0	Good			9.60		
MW073	Yes/Yes	Yes	0.0	0.0	Good			8.33		
MW074	Yes/Yes	Yes	0.0	0.0	Good			10.00		
MW075	Yes/Yes	Yes	0.0	0.0	Good			13.89		
MW076	Yes/Yes	Yes	0.0	0.0	Good			11.11		
MW077	Yes/Yes	Yes	0.0	0.0	Good			17.15		
MW078	Yes/Yes	Yes	0.0	0.0	Good			9.10		
MW079	Yes/Yes	Yes	0.0	0.0	Good			10.98		
MW080	Yes/Yes	Yes	0.0	0.0	Good			10.27		
MW081	Yes/Yes	Yes	0.0	0.0	Good			10.00		

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

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EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name: NAS Brunswick LTMP Event 6 Site 9	Project No: 2960047	Date: 6/13/96
Weather/Temperature: Cloudy 60°		
EA Personnel: BDA SYC	Equipment: Slope indicator, Min. Rae	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm)		Casing/Seal Condition	Protective Casing Elevation (ft)	PVC Casing Elevation (ft)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft)
			Air Ambient	Well Mouth						
MWNASB 073	Y/Y	Y	0.0	0.0	Good			8.41		
MWNASB 072	Y/Y	Y	0.0	0.0	Good			9.98		
MWNASB 074	Y/Y	Y	0.0	0.0	Good			10.39		
MWNASB 075	Y/Y	Y	0.0	4.5	Good			14.26		
MWNASB 076	Y/Y	Y	0.0	2.3	Good			11.62		
MWNASB 071	Y/Y	Y	0.0	0.0	Good			2.42		
MWNASB 070	Y/Y	Y	0.0	0.0	Good			11.65		
MWNASB 079	Y/Y	Y	0.0	0.0	Good			8.98		
MWNASB 069	Y/Y	N	0.0	0.0	well cap open lock tab broke			10.86		
MWNASB 080	Y/Y	Y	0.0	0.0	Good			10.89		
MWNASB 081	Y/Y	Y	0.0	0.0	Good			10.51		
MWNASB 077	Y/Y	Y	0.0	0.0	Good			17.48		
MWNASB 078	Y/Y	Y	0.0	0.0	Good			9.28		

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

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EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

FIELD RECORD OF WELL GAUGING

Project Name: NAS Brunswick LTMP July Well gauging Site 9	Project No: 2960047	Date: 7/1/96
Weather/Temperature: overcast 65°		
EA Personnel: SYC, MDE	Equipment: Slope indicator, H-Nu	

Well No.	Labeled/ Capped	Well Locked	VOCs Concentration (ppm)		Casing/Seal Condition	Protective Casing Elevation (ft)	PVC Casing Elevation (ft)	Depth to Water (ft)	Measured Well Depth (ft)	Water Table Elevation (ft)
			Air Ambient	Well Mouth						
MW-NASB-073	Y/Y	Yes	0.0	0.0	Good		51.71	8.60	32.12	43.11
MW-NASB 071	Y/Y	Yes	0.0	0.0	Good		46.25	2.60	21.54	43.65
MW-NASB 076	Y/Y	Yes	0.0	0.0	Good		52.79	11.75	19.94	41.04
MW-NASB 072	Y/Y	Yes	0.0	0.0	Good		49.81	9.95	14.63	39.86
MW-NASB 074	Y/Y	Yes	0.0	0.0	Good		51.68	10.45	27.12	41.23
MW-NASB-075	Y/Y	Yes	0.0	0.0	Good		54.91	14.35	21.22	40.56
MW-NASB 070	Y/Y	Yes	0.0	0.0	Good		58.26	11.90	27.32	46.36
MW-NASB 079	Y/Y	Yes	0.0	0.0	Good		58.15	9.30	18.92	48.85
MW-NASB 069	Y/Y	No	0.0	0.0	casing bent lock tab broke		57.30	11.09	42.42	46.21
MW-NASB 080	Y/Y	Yes	0.0	0.0	Good		58.51	11.12	19.04	47.39
MW-NASB 081	Y/Y	Yes	0.0	0.0	Good		58.22	10.80	18.85	47.42
MW-NASB 078	Y/Y	Yes	0.0	0.0	Good		53.74	11.02	14.93	42.72
MW-NASB 077	Y/Y	Yes	0.0	0.0	Good		58.89	17.80	37.29	41.09

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

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Appendix A.2

Field Record of Well Gauging, Purging, and Sampling Forms

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-069
WELL CONDITION: casing bent

PROJECT NUMBER: 29600047
WELL LOCK STATUS: not locked
WEATHER: Sunny, 80

GAUGE DATE: 6-26-96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 2.45

GAUGE TIME: 1608
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 6-26-96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0

PURGE TIME: 1610
FIELD PERSONNEL: TRC SVC
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 42.42
B. DEPTH TO WATER (ft): 11.01
C. LIQUID DEPTH (ft) (A-B): 31.41

D. WELL VOLUME/FT (L): .605
E. WELL VOLUME (L) (C*D): 19.00
F. THREE WELL VOLUMES (L) (E*3): 57.01

Parameter	Beginning	1	2	3	4	5
Time (min)	1610	1615	1620	1625	1630	1635
Depth to Water (ft)	11.01	11.01	11.01	11.01	11.01	11.01
Purge Rate (L/min)	—	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	—	1.0	2.0	3.0	4.0	5.0
pH	6.41	6.34	6.27	6.23	6.18	6.16
Temperature (°C)	14.7	14.6	14.5	16.4	16.3	16.5
Conductivity (μmhos/cm)	0.212	0.206	0.204	0.208	0.206	0.206
Dissolved Oxygen (mg/L)	1.17	0.81	0.47	0.28	0.21	0.19
Turbidity (NTU)	3	27	27	12	5	3
Eh (mv)	44	56	64	73	81	83

TOTAL QUANTITY OF WATER REMOVED (L): 7

SAMPLERS: TRC, SVC
SAMPLING TIME (START/END): 1645
SAMPLING DATE: 6-26-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL, [redacted], [redacted]
SAMPLE BOTTLE IDs: BN-06-S9-MW009
SAMPLE PARAMETERS: VOC, [redacted], [redacted]
COMMENTS AND OBSERVATIONS:

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 2960047	Date: 6-26-96
Well ID: MW-NAS B-069	Field Personnel: TRC, SYC	

Parameter	6	7	8	9	10	11
Time (min.)	1640					
Depth to Water (ft)	11.01					
Purge Rate (L/min)	0.2					
Volume Purged (L)	6.0					
pH	6.14					
Temperature (°C)	16.7					
Conductivity (μmhos/cm)	0.210					
Dissolved Oxygen (mg/L)	0.20					
Turbidity (NTU)	1					
Eh (mv)	84					

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

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
PROJECT NUMBER: 2960047
WELL I.D.: MW-NASB-071
WELL LOCK STATUS: locked
WELL CONDITION: Good
WEATHER: Sunny, breezy

GAUGE DATE: 6-26-96
GAUGE TIME: 1518
SOUNDING METHOD: slope indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 2.80
WELL DIAMETER (in.): 2

PURGE DATE: 6-26-96
PURGE TIME: 1520
PURGE METHOD: Low Flow
FIELD PERSONNEL: TRC SYC
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 21.54
B. DEPTH TO WATER (ft): 2.58
C. LIQUID DEPTH (ft) (A-B): 18.96
D. WELL VOLUME/FT (L): .605
E. WELL VOLUME (L) (C*D): 11.47
F. THREE WELL VOLUMES (L) (E*3): 34.41

Parameter	Beginning	1	2	3	4	5
Time (min)	1520	1525	1531	1536	1541	1546
Depth to Water (ft)	2.58	2.90	3.00	3.00	3.00	3.00
Purge Rate (L/min)	—	1.4	1.4	1.4	1.4	1.4
Volume Purged (L)	—	7.0	~~8.4~~ 15.4	~~15.4~~ 22.4	29.4	~~29.4~~ 36.4
pH	7.91	6.76	6.39	6.30	6.24	6.19
Temperature (°C)	13.1	13.4	13.5	13.5	13.5	13.5
Conductivity (μmhos/cm)	0.310	0.304	0.268	0.268	0.268	0.270
Dissolved Oxygen (mg/L)	1.91	0.26	0.21	0.22	0.18	0.17
Turbidity (NTU)	40	8	53	10	4	5
Eh (mv)	-48	-16	-12	-13	-16	-18

TOTAL QUANTITY OF WATER REMOVED (L): ~~39.0~~ TC 63

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 1600/1605
SAMPLING DATE: 6-26-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL, HNO_3, NaOH
SAMPLE BOTTLE IDs: BN-06-S9-MW008
SAMPLE PARAMETERS: VOC, metals, cyanide
COMMENTS AND OBSERVATIONS: Duplicate BN-06-S9-MWXD2
Purge water contained 62

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 2960047	Date: 6/26/96
Well ID: MW-NASB-071	Field Personnel: TRC, SYC	

Parameter	6	7	8	9	10	11
Time (min.)	1551					
Depth to Water (ft)	3.00					
Purge Rate (L/min)	1.4					
Volume Purged (L)	~~26.9~~ 43.4					
pH	6.15					
Temperature (°C)	13.5					
Conductivity (μmhos/cm)	0.266					
Dissolved Oxygen (mg/L)	0.18					
Turbidity (NTU)	5					
Eh (mv)	-18					

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

COMMENTS AND OBSERVATIONS Contaminerized water

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

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

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: Sunny, breezy, 75

GAUGE DATE: 6-25-96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 2.25

GAUGE TIME: 1553
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 6-25-96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0

PURGE TIME: 1559
FIELD PERSONNEL: TRC, SYC
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 14.63
B. DEPTH TO WATER (ft): 9.82
C. LIQUID DEPTH (ft) (A-B): 4.81
D. WELL VOLUME/FT (L): .605
E. WELL VOLUME (L) (C*D): 2.91
F. THREE WELL VOLUMES (L) (E*3): 8.73

Parameter	Beginning	1	2	3	4	5
Time (min)	1559	1604	1609	1616	1624	1632
Depth to Water (ft)	9.82	10.08	10.09	10.09	10.15	10.10
Purge Rate (L/min)	—	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	—	0.5	1.0	1.7	2.5	3.1
pH	8.28	7.57	7.12	6.79	6.58	6.49
Temperature (°C)	10.5	9.9	12.6	13.9	14.5	14.5
Conductivity (μmhos/cm)	0.238	0.240	0.206	0.208	0.210	0.214
Dissolved Oxygen (mg/L)	4.61	3.58	3.01	3.38	3.37	3.38
Turbidity (NTU)	166	127	63	25	20	19
Eh (mv)	26	59	69	79	87	91

TOTAL QUANTITY OF WATER REMOVED (L): 4.4

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 1645 / 1700
SAMPLING DATE: 6-25-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL, NaOH, HNO_3
SAMPLE BOTTLE IDs: BN-06-S9-MW002 MS/MSD
SAMPLE PARAMETERS: VOC, Metals, Cyanide
COMMENTS AND OBSERVATIONS:

* Contaminated water. 4z

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 2960047	Date: 6-25-96
Well ID: MW-NASB-072	Field Personnel: TRC SVC	

Parameter	6	7	8	9	10	11
Time (min.)	1636	1640	1644			
Depth to Water (ft)	10.10	10.15	10.16			
Purge Rate (L/min)	0.1	0.1	0.1			
Volume Purged (L)	3.5	3.9	4.3			
pH	6.47	6.41	6.38			
Temperature (°C)	14.0	14.1	14.4			
Conductivity (μmhos/cm)	0.226	0.224	0.222			
Dissolved Oxygen (mg/L)	3.44	3.21	3.16			
Turbidity (NTU)	9	7	7			
Eh (mv)	90	92	92			

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

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
PROJECT NUMBER: 2960047
WELL I.D.: MW-NASB-07
WELL LOCK STATUS: locked
WELL CONDITION: Good
WEATHER: Sunny, 70° breezy

GAUGE DATE: 6-25-96
GAUGE TIME: 1700
SOUNDING METHOD: Slope indicator
MEASUREMENT REF: TOC
STICK UP/DOWN (ft): 1.90
WELL DIAMETER (in.): 2

PURGE DATE: 6-25-96
PURGE TIME: 1703
PURGE METHOD: Low Flow
FIELD PERSONNEL: TRC, SYC
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 27.12
B. DEPTH TO WATER (ft): 10.43
C. LIQUID DEPTH (ft) (A-B): 16.69
D. WELL VOLUME/FT (L): .605
E. WELL VOLUME (L) (C*D): 10.10
F. THREE WELL VOLUMES (L) (E*3): 30.29

Parameter	Beginning	1	2	3	4	5
Time (min)	1703	1708	1713	1718	1723	1728
Depth to Water (ft)	10.43	10.75	10.60	10.60	10.60	10.60
Purge Rate (L/min)	—	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	—	1.0	2.0	3.0	4.0	5.0
pH	6.68	6.61	6.34	6.46	6.39	6.37
Temperature (°C)	12.0	13.2	14.2	15.9	16.1	16.3
Conductivity (µmhos/cm)	0.178	0.220	0.198	0.196	0.212	0.222
Dissolved Oxygen (mg/L)	3.69	1.39	0.29	0.44	0.24	0.44
Turbidity (NTU)	1068	115	48	38	21	16
Eh (mv)	76	74	67	48	45	43

TOTAL QUANTITY OF WATER REMOVED (L): 7.8

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 1745/1747
SAMPLING DATE: 6-25-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-06-59-MW003
SAMPLE PARAMETERS: VOC
COMMENTS AND OBSERVATIONS: * Contaminated water 7.6

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 2960047	Date: 6-25-96
Well ID: MW-NAS8-074	Field Personnel: TRC, SYC	

Parameter	6	7	8	9	10	11
Time (min.)	1733	1738	1742			
Depth to Water (ft)	10.60	10.60	10.60			
Purge Rate (L/min)	0.2	0.2	0.2			
Volume Purged (L)	6.0	7.0	7.8			
pH	6.35	6.34	6.34			
Temperature (°C)	16.5	16.6	16.6			
Conductivity (μmhos/cm)	0.254	0.256	0.246			
Dissolved Oxygen (mg/L)	0.40	0.36	0.35			
Turbidity (NTU)	12	12	12			
Eh (mv)	44	44	44			

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

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

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

PROJECT NUMBER: 29600.07/7.200
WELL LOCK STATUS: locked
WEATHER: sunny, warm, 70°F

GAUGE DATE: 6/25/96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 2.00

GAUGE TIME: 1610
MEASUREMENT REF: Top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 6/25/96
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1616
FIELD PERSONNEL: KR, BA
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 21.22
B. DEPTH TO WATER (ft): 14.30
C. LIQUID DEPTH (ft) (A-B): 6.92
D. WELL VOLUME/FT (L): 0.665
E. WELL VOLUME (L) (C*D): 4.19
F. THREE WELL VOLUMES (L) (E*3): 12.57

Parameter	Beginning	1	2	3	4	5
Time (min)	1620	1623	1626	1629	1632	1635
Depth to Water (ft)	14.58	14.58	14.60	14.60	14.56	14.57
Purge Rate (L/min)	0.2L	0.2L	0.2L	0.2L	0.2L	0.2L
Volume Purged (L)	0.8L	1.4L	2.0L	2.6L	3.2L	3.8L
pH	6.55	6.41	6.35	6.30	6.28	6.27
Temperature (°C)	14.0	14.9	16.1	17.2	17.7	17.5
Conductivity (μmhos/cm)	0.292	0.318	0.292	0.304	0.310	0.310
Dissolved Oxygen (mg/L)	0.26	0.23	0.23	0.25	0.24	0.24
Turbidity (NTU)	6	5	4	4	4	3
Eh (mv)	135	133	128	125	122	122

TOTAL QUANTITY OF WATER REMOVED (L): 4.6L

SAMPLERS: KR, BA
SAMPLING TIME (START/END): 1637 / 1639
SAMPLING DATE: 6/25/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl
SAMPLE BOTTLE IDs: BN-06-S9-MW002
SAMPLE PARAMETERS: VOAs

COMMENTS AND OBSERVATIONS: ~~Duplicate done here~~ KR
~~BN-06-S9-MW001~~

* Contaminated Water 4.2L

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-076
WELL CONDITION: good

PROJECT NUMBER: 29600.47/7206
WELL LOCK STATUS: locked
WEATHER: sunny, warm, 80°F

GAUGE DATE: 6/25/96
SOUNDING METHOD: steel tape/indicator
STICK UP/DOWN (ft): 2.00

GAUGE TIME: 1645
MEASUREMENT REF: top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 6/25/96
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 1648
FIELD PERSONNEL: KR, BA
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 19.94
B. DEPTH TO WATER (ft): 11.64
C. LIQUID DEPTH (ft) (A-B): 8.30

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 5.02
F. THREE WELL VOLUMES (L) (E*3): 15.06

Parameter	Beginning	1	2	3	4	5
Time (min)	1651	1654	1657	1700	1703	1707
Depth to Water (ft)	11.65	11.77	11.77	11.78	11.78	11.77
Purge Rate (L/min)	0.2L	0.2L	0.2L	0.2L	0.2L	0.2L
Volume Purged (L)	0.6L	1.2L	1.8L	2.4L	3.0L	3.8L
pH	6.34	5.84	5.83	5.79	5.78	5.76
Temperature (°C)	13.4	15.2	15.9	16.3	16.8	16.4
Conductivity (μmhos/cm)	0.340	0.342	0.340	0.320	0.328	0.312
Dissolved Oxygen (mg/L)	0.42	0.25	0.23	0.20	0.17	0.15
Turbidity (NTU)	4	1	1	1	0	0
Eh (mv)	136	59	19	4	-4	-11

TOTAL QUANTITY OF WATER REMOVED (L): 5.0L

SAMPLERS: KR, BA
SAMPLING TIME (START/END): ~~1511~~ 1711 / 1713
SAMPLING DATE: 6/25/96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: 1:1 HCl
SAMPLE BOTTLE IDs: BN-06-59-MW004
SAMPLE PARAMETERS: VOAS

COMMENTS AND OBSERVATIONS:

+ Contaminated water. 4.6

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-077
WELL CONDITION: Good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: Sunny, breezy, 75

GAUGE DATE: 6-26-96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 3.04

GAUGE TIME: 1353
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 6-26-96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0

PURGE TIME: 1355
FIELD PERSONNEL: TRC SYC
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 27.32
B. DEPTH TO WATER (ft): 17.54
C. LIQUID DEPTH (ft) (A-B): 9.78

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 5.92
F. THREE WELL VOLUMES (L) (E*3): 17.75

Parameter	Beginning	1	2	3	4	5
Time (min)	1355	1400	1405	1408	1411	1414
Depth to Water (ft)	17.54	17.80	17.65	17.65	17.65	17.65
Purge Rate (L/min)	—	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	—	1.0	2.0	2.6	3.2	4.0
pH	5.63	5.17	5.37	5.66	5.78	5.77
Temperature (°C)	8.7	9.5	11.6	12.4	12.6	12.6
Conductivity (μmhos/cm)	0.036	0.042	0.044	0.044	0.044	0.044
Dissolved Oxygen (mg/L)	7.13	4.95	4.04	3.83	3.83	3.82
Turbidity (NTU)	2	1	3	6	6	5
Eh (mv)	148	180	167	150	147	151

TOTAL QUANTITY OF WATER REMOVED (L): 4.0

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 1415
SAMPLING DATE: 6-26-96
DECONTAMINATION FLUIDS USED:
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-06-S9-MW-006
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

JB

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site9
WELL I.D.: MW-NASB-078
WELL CONDITION: Good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: Sunny, breezy, 80

GAUGE DATE: 6-26-96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 3.52

GAUGE TIME: 1313
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 6-26-96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0

PURGE TIME: 1318
FIELD PERSONNEL: TRC SYC
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 14.93
B. DEPTH TO WATER (ft): 10.43
C. LIQUID DEPTH (ft) (A-B): 4.50

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 2.72
F. THREE WELL VOLUMES (L) (E*3):

Parameter	Beginning	1	2	3	4	5
Time (min)	1318	1323	1328	1333	1336	1340
Depth to Water (ft)	10.43	10.43	10.43	10.43	10.43	10.43
Purge Rate (L/min)	—	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	—	1.0	2.0	3.0	3.6	4.4
pH	6.44	5.31	5.04	5.17	4.98	4.89
Temperature (°C)	10.5	10.2	11.0	12.1	12.7	12.9
Conductivity (μmhos/cm)	0.066	0.050	0.042	0.062	0.056	0.062
Dissolved Oxygen (mg/L)	6.51	5.30	5.81	5.69	5.69	5.60
Turbidity (NTU)	69	62	52	0	0	0
Eh (mv)	123	189	192	187	200	209

TOTAL QUANTITY OF WATER REMOVED (L): 5.4

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 1345
SAMPLING DATE: 6-26-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL
SAMPLE BOTTLE IDs: BN-06-09-MW-005
SAMPLE PARAMETERS: VOC

COMMENTS AND OBSERVATIONS:

VPA

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-079
WELL CONDITION: good

PROJECT NUMBER: 29600.47/7206
WELL LOCK STATUS: locked
WEATHER: partly cloudy, 70°F

GAUGE DATE: 6/27/96
SOUNDING METHOD: slope indicator
STICK UP/DOWN (ft): 2.20

GAUGE TIME: 0835
MEASUREMENT REF: top of pipe
WELL DIAMETER (in.): 2"

PURGE DATE: 6/27/96
PURGE METHOD: low flow
AMBIENT AIR VOCs (ppm) Start: 0 End: 0

PURGE TIME: 0840
FIELD PERSONNEL: KR, BA
WELL MOUTH VOCs (ppm): Start: 0 End: 0

WELL VOLUME

A. WELL DEPTH (ft): 18.92
B. DEPTH TO WATER (ft): 11.81
C. LIQUID DEPTH (ft) (A-B): 7.11

D. WELL VOLUME/FT (L): 0.605
E. WELL VOLUME (L) (C*D): 4.30
F. THREE WELL VOLUMES (L) (E*3): 12.90

Parameter	Beginning	1	2	3	4	5
Time (min)	0844	0848	0851	0855	0859	0905
Depth to Water (ft)	11.86	11.90	11.90	11.90	11.96	11.96
Purge Rate (L/min)	0.1L	0.1L	0.1L	0.1L	0.1L	0.1L
Volume Purged (L)	0.4L	0.8L	1.1L	1.5L	1.9L	2.3L
pH	5.75	5.98	6.20	6.31	6.43	6.34
Temperature (°C)	13.9	15.5	17.4	16.8	16.6	17.3
Conductivity (μmhos/cm)	0.250	0.240	0.244	0.250	0.244	0.252
Dissolved Oxygen (mg/L)	0.40	0.40	0.39	0.27	0.21	0.20
Turbidity (NTU)	66	41	31	22	5	0
Eh (mv)	86	-112	-125	-136	-113	-137

TOTAL QUANTITY OF WATER REMOVED (L): 4.5L

SAMPLERS: KR, BA
SAMPLING DATE: 6/27/96
SAMPLE TYPE: Grab
SAMPLE BOTTLE IDs: BN-06-59-MW010

SAMPLING TIME (START/END): 0917 / 0925
DECONTAMINATION FLUIDS USED: none
SAMPLE PRESERVATIVES: 1:1 HCl, NaOH, HNO3

SAMPLE PARAMETERS: VOAs, Cyanide, Total Elements

COMMENTS AND OBSERVATIONS: Kept adjusting guardian box to 0 ppm.

* Containerized water

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 24600.47 7206	Date: 6/27/96
Well ID: MW-NASB-079	Field Personnel: KR, BA	

Parameter	6	7	8	9	10	11
Time (min.)	0906	0909	0912			
Depth to Water (ft)	11.83	11.83	11.85			
Purge Rate (L/min)	0.1L	0.1L	0.1L			
Volume Purged (L)	2.6L	2.9L	3.2L			
pH	6.46	6.53	6.53			
Temperature (°C)	17.1	16.9	17.8			
Conductivity (μmhos/cm)	0.242	0.226	0.222			
Dissolved Oxygen (mg/L)	0.29	0.28	0.38			
Turbidity (NTU)	0	0	6			
Eh (mv)	-142	-136	-130			

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

COMMENTS AND OBSERVATIONS _____

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-050
WELL CONDITION: Good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: overcast 65

GAUGE DATE: 6-27-96
SOUNDING METHOD: slope indicator
STICK UP/DOWN (ft): 2.05

GAUGE TIME: 840
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 6-27-96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0

PURGE TIME: 842
FIELD PERSONNEL: TRC, SYC
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 19.04
B. DEPTH TO WATER (ft): 11.08
C. LIQUID DEPTH (ft) (A-B): 7.96

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)	842	847	852	857	902	907
Depth to Water (ft)	11.08	11.13	11.13	11.13	11.13	11.13
Purge Rate (L/min)	—	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	—	0.5	1.0	1.5	2.0	2.5
pH	5.84	6.03	6.34	6.46	6.54	6.60
Temperature (°C)	13.2	14.0	16.3	18.1	20.0	23.2
Conductivity (µmhos/cm)	0.004	0.084	0.130	0.162	0.232	0.290
Dissolved Oxygen (mg/L)	1.43	0.72	0.65	0.74	0.66	0.65
Turbidity (NTU)	127	13	9	6	4	8
Eh (mv)	13	-15	-45	-59	-68	-80

TOTAL QUANTITY OF WATER REMOVED (L): 6.8

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 935 / 950
SAMPLING DATE: 6-27-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL, HNO_3, NaOH
SAMPLE BOTTLE IDs: BN-06-S9-MW011
SAMPLE PARAMETERS: VOC metals, Cyanide
COMMENTS AND OBSERVATIONS: Had to keep adjusting pneumatic box for 0.1 L/min

EA Engineering, Science, and Technology

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

Site Name: Site 9	Project No.: 2960047	Date: 6-27-96
Well ID: MW-NASB-080	Field Personnel: TRC, SYC	

Parameter	6	7	8	9	10	11
Time (min.)	912	917	922	925	928	931
Depth to Water (ft)	11.13	11.13	11.13	11.13	11.13	11.13
Purge Rate (L/min)	0.1	0.1	0.1	0.1	0.1	0.1
Volume Purged (L)	3.0	3.5	4.0	4.3	4.6	4.9
pH	6.64	6.70	6.71	6.71	6.71	6.73
Temperature (°C)	24.4	24.7	24.5	24.5	24.6	25.1
Conductivity (μmhos/cm)	0.288	0.290	0.292	0.294	0.296	0.296
Dissolved Oxygen (mg/L)	0.40	0.47	0.32	0.24	0.23	0.24
Turbidity (NTU)	7	5	4	4	4	3
Eh (mv)	-84	-90	-90	-92	-92	-92

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

COMMENTS AND OBSERVATIONS

EA Engineering, Science, and Technology

FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING

SITE NAME: Site 9
WELL I.D.: MW-NASB-081
WELL CONDITION: Good

PROJECT NUMBER: 2960047
WELL LOCK STATUS: locked
WEATHER: Sunny, breezy, 80

GAUGE DATE: 6-26-96
SOUNDING METHOD: Slope indicator
STICK UP/DOWN (ft): 1.91

GAUGE TIME: 1427
MEASUREMENT REF: TOC
WELL DIAMETER (in.): 2

PURGE DATE: 6-26-96
PURGE METHOD: Low Flow
AMBIENT AIR VOCs (ppm) Start: 0.0 End: 0.0

PURGE TIME: 1428
FIELD PERSONNEL: TRC SYC
WELL MOUTH VOCs (ppm): Start: 0.0 End: 0.0

WELL VOLUME

A. WELL DEPTH (ft): 18.85
B. DEPTH TO WATER (ft): 10.67
C. LIQUID DEPTH (ft) (A-B): 8.18

D. WELL VOLUME/FT (L): .605
E. WELL VOLUME (L) (C*D): 4.95
F. THREE WELL VOLUMES (L) (E*3): 14.85

Parameter	Beginning	1	2	3	4	5
Time (min)	1428	1432	1436	1440	1444	1448
Depth to Water (ft)	10.67	10.67	10.67	10.67	10.67	10.67
Purge Rate (L/min)	—	0.2	0.2	0.2	0.2	0.2
Volume Purged (L)	—	0.8	1.6	2.4	3.2	4.0
pH	5.56	5.99	6.18	6.35	6.37	6.41
Temperature (°C)	14.3	14.5	15.9	20.4	21.1	21.2
Conductivity (µmhos/cm)	0.358	0.388	0.426	0.454	0.456	0.450
Dissolved Oxygen (mg/L)	4.31	2.82	2.81	2.74	2.40	2.38
Turbidity (NTU)	37	24	17	5	5	2
Eh (mv)	139	119	109	96	94	90

TOTAL QUANTITY OF WATER REMOVED (L): 8.4

SAMPLERS: TRC, SYC
SAMPLING TIME (START/END): 1455/1510
SAMPLING DATE: 6-26-96
DECONTAMINATION FLUIDS USED: none
SAMPLE TYPE: Grab
SAMPLE PRESERVATIVES: HCL, NaOH, HNO_3
SAMPLE BOTTLE IDs: BN-06-59-MW007
SAMPLE PARAMETERS: VOC, metals, cyanide
COMMENTS AND OBSERVATIONS: Duplicate BN-06-59-MW-XD1
Water containerized 82

EA Engineering, Science, and Technology

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

Site Name: Site9	Project No.: 2960047	Date: 6-26-96
Well ID: MW-NASB-081	Field Personnel: TRC, SYC	

Parameter	6	7	8	9	10	11
Time (min.)	1452					
Depth to Water (ft)	10.67					
Purge Rate (L/min)	0.2					
Volume Purged (L)	4.8					
pH	6.44					
Temperature (°C)	22.3					
Conductivity (μmhos/cm)	0.458					
Dissolved Oxygen (mg/L)	2.18					
Turbidity (NTU)	2					
Eh (mv)	87					

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

COMMENTS AND OBSERVATIONS

Water Containerized

Appendix A.3

Field Record of Surface Water and Sediment Sampling Forms

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29600.47/17.226
Sample Location ID: SW/Sed 01C			Date: 6/26/96
Sampling Time: 0955 H_2O 0958 SED	Start:	End:	Sample Team Members: KR, TC, BA, SC

SURFACE WATER INFORMATION

09.53

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

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

Water Quality Parameters
- (X) Temperature 12.8 °C
- (X) Conductivity 0.236 µmhs/cm
- (X) ph 6.65 units
- (X) Dissolved oxygen 5.68 mg/L
- (X) Turibidity 1 NTU
- (X) Eh 4 mv

Water Depth and Sample Location 4" (ft)

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

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

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

Field QC Data: ( ) Field Duplicate Collected Duplicate ID _____ ( ) MS/MSD none

Sample Location Sketch: ( ) Yes (X) No

Method Used: ( ) Winkler (X) Probe

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
- (X) Odor sulfur
- (X) Color brown
- ( ) _____

Field QC Data: ( ) Field Duplicate Collected Duplicate ID _____ ( ) MS/MSD none

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
✓	✓		✓	80 mL	✓	BN-06-S9-SW007
✓		✓		8 oz	✓	BN-06-S9-SD007

NOTES/SKETCH

Slight oil sheen

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 29600.47/7206
Sample Location ID: SW/SD-911-011	Date: 6/26/96
Sampling Time: 0925 H_2O 0930 SED — Start: — End: —	Sample Team Members: KR, BA, TC, SC

0923

SURFACE WATER INFORMATION

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

Equipment Used for Collection:
- ( ) None, Grab into Bottle
- ( ) Bomb Sampler
- ( ) Pump _____
- (X) Ladle and 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 12.1 °C
- (X) Conductivity 0.190 µmhs/cm
- (X) ph 6.41 units
- (X) Dissolved oxygen 8.33 mg/L
- (X) Turibidity 0 NTU
- (X) Eh 1 mv

Water Depth and Sample Location 4" (ft)

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

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

Field QC Data: ( ) Field Duplicate Collected — Duplicate ID _____ none
( ) MS/MSD

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

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

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
- (X) Odor sulfur
- (X) Color brown
- ( ) _____

Field QC Data: ( ) Field Duplicate Collected — Duplicate ID _____ none
( ) 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
✓	✓		✓	8 mL	✓	BN-06-S9-SWC004G
✓		✓		8 oz	✓	BN-06-S9-SDC004G

NOTES/SKETCH

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29600 47/7206
Sample Location ID: SW/SED 012			Date: 6/26/96
Sampling Time: 0915 H2O 0917 SED	~~Start:~~	~~End:~~	Sample Team Members: KR, BA, SC, 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 3" (ft)

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

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

0912

Water Quality Parameters
(X) Temperature 12.2 °C
(X) Conductivity 0.192 µmhs/cm
(X) ph 6.29 units
(X) Dissolved oxygen 7.95 mg/L
(X) Turibidity 0 NTU
(X) Eh 10 mv

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

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID _____
( ) MS/MSD none

Sample Location Sketch:
( ) Yes
(X) No

Method Used:
( ) Winkler
(X) Probe

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
(X) Odor none
(X) Color brown, iron staining
( ) _____

Field QC Data: (X) Field Duplicate Collected
Duplicate ID BN-06-59-SDXD1
( ) 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
✓	✓		✓	80mL	✓	BN-06-59-SW002
✓		✓		8g	✓	BN-06-59-SD002

NOTES/SKETCH

/B'

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 29600.47/7206
Sample Location ID: SW/Sed 915	Date: 6/26/96
Sampling Time: 1030 H_2O 1032 Sed; Start: ~~[illegible]~~ End: ~~[illegible]~~	Sample Team Members: KR, TC, BA, SC

SURFACE WATER INFORMATION

1026

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

Water Depth and Sample Location 4" (ft)

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

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

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

Water Quality Parameters
- (X) Temperature 12.1 °C
- (X) Conductivity .118 µmhs/cm
- (X) ph 6.49 units
- (X) Dissolved oxygen 8.77 mg/L
- (X) Turibidity 0 NTU
- (X) Eh -10 mv

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

Field QC Data: ( ) ~~Field Duplicate Collected~~ Duplicate ID _____ ( ) ~~MS/MSD~~ None

Sample Location Sketch: ( ) Yes (X) No

Method Used: ( ) Winkler (X) Probe

SEDIMENT INFORMATION

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

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

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

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

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

Field QC Data: ( ) ~~Field Duplicate Collected~~ Duplicate ID _____ none (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
✓	✓		✓	80 mL	✓	BN-06-59-SW004
✓		✓		16 oz	✓	BN-06-59-SD004 MS/MSD

NOTES/SKETCH

JR

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 29600.417/726
Sample Location ID: SW/Sed 916	Date: 6/26/96
Sampling Time: 0858 H_2O Start: End: 0901 Sed	Sample Team Members: KR, BA, TC, SC

SURFACE WATER INFORMATION

0855

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) 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 13.0 °C
- (X) Conductivity .186 µmhs/cm
- (X) ph 6.18 units
- (X) Dissolved oxygen 9.28 mg/L
- (X) Turbidity 0 NTU
- (X) Eh 53 mv

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

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID
( ) MS/MSD
(X) none

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

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

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
- (X) Odor slight hydrocarbon odor
- (X) Color brown
- ( )

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID
(X) None
( ) 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
✓	✓		✓	80mL	✓	BN-C6-S9-SW003
✓		✓		4oz	✓	BN-C6-S9-SD003

NOTES/SKETCH

JB

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9	Project Number: 29CC.47/0206
Sample Location ID: SW/Sed 919	Date: 6/26/96
Sampling Time: 1015 H2O 1020 Sed	Sample Team Members: KR, TC, RA, SC

SURFACE WATER INFORMATION

1012

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

Water Depth and Sample Location 4" (ft)

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

Equipment Used for Collection:
- ( ) None, Grab into Bottle
- ( ) Bomb Sampler
- ( ) Pump _____
- (X) decicated 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 12.1 °C
- (X) Conductivity 0.188 µmhs/cm
- (X) ph 6.69 units
- (X) Dissolved oxygen 8.24 mg/L
- (X) Turibidity 0 NTU
- (X) Eh -38 mv

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

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID _____
( ) MS/MSD
None

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

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

SEDIMENT INFORMATION

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

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

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

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

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

Field QC Data: ( ) Field Duplicate Collected
Duplicate ID _____
None
( ) 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
✓	✓		✓	8 mL	✓	BN-06-S9-SW005
✓		✓		8 g	✓	BN-06-S9-SD005

NOTES/SKETCH

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29600.47/720
Sample Location ID: SW/Sed 922			Date: 6/26/96
Sampling Time: 0832 H2O 0834 Sed	Start:	End:	Sample Team Members: KR, BA, TC, SC

SURFACE WATER INFORMATION

0830

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

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

Water Quality Parameters
- (X) Temperature 19.6 °C
- (X) Conductivity 0.178 µmhs/cm
- (X) ph 5.84 units
- (X) Dissolved oxygen 9.53 mg/L
- (X) Turibidity 0 NTU
- (X) Eh 86 mv

Water Depth and Sample Location 1.0' (ft)

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

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

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

Field QC Data: ( ) ~~Field Duplicate Collected~~ Duplicate ID _____ ( ) ~~MS/MSD~~ none

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

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

SEDIMENT INFORMATION

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

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

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

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

Sample Observations:
- (X) Odor sulfur
- (X) Color brown
- ( ) _____

Field QC Data: ( ) ~~Field Duplicate Collected~~ Duplicate ID _____ none ( ) 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
✓	✓		✓	8mL	✓	BN-CC-S9-SW001
✓		✓		4oz	✓	BN-CC-S9-SD001

NOTES/SKETCH

EA Engineering, Science, and Technology

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Site Name: Site 9			Project Number: 29GCC.47/72CC
Sample Location ID: LT901			Date: 6/26/96
Sampling Time: 1045 H_2O 1055 sed	Start:	End:	Sample Team Members: KR, TC, BA, SC

SURFACE WATER INFORMATION

1041

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

Water Depth and Sample Location 6" (ft)

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

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 15.0 °C
(X) Conductivity 0.318 µmhs/cm
(X) ph 6.36 units
(X) Dissolved oxygen 1.10 mg/L
(X) Turibidity 91 NTU
(X) Eh -74 mv

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

Field QC Data: (X) Field Duplicate Collected
Duplicate ID BN-C6-S9-~~LTSD1~~ XD1
(X) MS/MSD

Sample Location Sketch:
( ) Yes
(X) No

Method Used:
( ) Winkler
(X) Probe

SEDIMENT INFORMATION

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

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

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

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

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

Field QC Data: (X) Field Duplicate Collected
Duplicate ID BN-C6-S9-~~LTSD1~~ SDXD2
(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
✓	✓		✓	8C mL	✓	BN-C6-S9-LTC01 MS/MSD
✓		✓		18C3	✓	BN-C6-S9-LTSD1 MS/MSD

NOTES/SKETCH

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Appendix B

Analytical Data Quality Review

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APPENDIX B

ANALYTICAL DATA QUALITY REVIEW

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 19 aqueous samples (ground water, surface water, and leachate seep) and 8 sediment samples collected from Site 9. The laboratory was provided with 2 aqueous and 2 sediment sample delivery groups (SDG). Sample duplicates, rinsate blanks, and trip blanks were collected at the frequency required by the QAPP.

Analytical quality control was reviewed for compliance against data quality objectives for precision and accuracy for each sample and analysis type, including field quality control blanks (i.e., trip blanks) and field sample duplication. Analytical precision was based upon the mean relative percent difference (RPD) of the matrix spike/matrix spike duplicates (MS/MSD) for organic analysis and the RPD of the laboratory duplicates for inorganic analysis. Accuracy was based upon the reported spike recoveries for the laboratory control 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 the 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 then used as indicators for all of the analytes. The accuracy of the LCS spike recoveries is used in conjunction with the MS/MSD when evaluating organic analyses.

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 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 blanks were 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 samples collected at Sites 1 and 3 and Eastern Plume under a separate sample delivery group.

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 is discussed for each sample matrix below.

B.2 SAMPLE HOLDING TIMES

Holding times (from date of sample collection to the date of sample preparation/analysis) 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 MS/MSD were performed on Samples MW-NASB-072 and LT-901. There were no surface water samples designated for MS/MSD analyses. The leachate seep and monitoring well sample MS/MSD RPD were within the established control limits, with the exception of benzene (13 percent), which exceeded the control limit in Sample MW-NASB-072. The MS and MSD recoveries for this compound were within established control limits, therefore, analytical precision was determined to be acceptable and the usability of the data is not affected. The data are usable as reported.

The sediment sample MS/MSD RPD were 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 were the same as those reported by the laboratory.

The sediment sample MS/MSD RPD were within the laboratory established control limits with the exception of acenaphthylene (23 percent) and pyrene (92 percent) in Sample SED-915. For acenaphthylene, the MS/MSD recoveries were within the established control limits; therefore, the data are not affected and the results are usable as reported. For pyrene, the MS was within the control limits and the MSD was above the control limit; however, as the MSD was not significantly above the control limits; therefore, data 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 or water duplicate RPD for TAL metals, therefore, the laboratory control limits were used. The monitoring well and leachate seep sample 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 sample duplicate RPD were within the laboratory control limits, with the exception of calcium (37.8 percent), chromium (46.1 percent), copper (48.1 percent), iron (37.3 percent), lead (39.7 percent), magnesium (59.7 percent), nickel (43.8 percent), potassium (69.9 percent), and vanadium (38.1 percent) in Sample LT-901 (SED). All positive sample results for calcium, chromium, copper, iron, lead, magnesium, nickel, potassium, and vanadium in the sediment samples should be considered to be estimated concentrations.

B.4 ACCURACY

B.4.1 Volatile Organic Compounds

Three SMC were used to measure the ability of the laboratory to purge the target analytes from the environmental samples. The control limits for the aqueous samples identified in the QAPP and reported by the laboratory were identical for all three SMC. The control limits for sediment samples identified in the QAPP and reported by the laboratory were different for all three SMC. The QAPP limits for dibromofluoromethane were 70-121 percent, while the laboratory used 80-120 percent. The QAPP limits for bromofluorobenzene were 59-113 percent, while the laboratory used 74-121 percent. The QAPP limits for toluene-d8 were 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 sample SMC recoveries are within the laboratory established control limits and those presented in the QAPP 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 exception of bromofluorobenzene, which was below the lower control limit identified by the laboratory in Samples SED-012 DUP, SED-012 DupRE, SED-011, and SED-011RE. However, as none of the samples had recoveries below the lower control limit identified in the QAPP, the data are usable as reported. The SMC recovery for toluene-d8 was below the lower control limit identified by the laboratory and QAPP in Samples SED-919, SED919RE, SED-010RE, SED-915, and SED-915RE; therefore, all of the results for the VOC should be considered estimated. Based on the low SMC recoveries, the VOC results should be considered to be bias low.

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. The leachate seep and monitoring well sample MS/MSD recoveries were within the established control limits, indicating little or no bias was introduced by the sample matrix. There were no MS/MSD performed for VOC analyses on the surface water 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; however, all aqueous and sediment LCS recoveries were within laboratory established control limits, confirming the laboratory's purging efficiency.

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 sediment SMC recoveries are within the established control limits and the results are usable as reported.

Eleven compounds were used to quantify the MS/MSD recoveries. The control limits stated in the QAPP were the same as those reported by the laboratory. The sediment sample MS/MSD recoveries were within the established control limits, with the exception of pyrene in the MSD of SED-915, which was above the upper control limit. However, as all of the other quality control information for pyrene in the sediment sample was acceptable, and usability is typically not affected based on MS/MSD recoveries alone; therefore, the data are usable as reported.

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 and aqueous 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 TAL analytes are used to quantify MS recoveries for the samples. All of the MS recoveries were analyzed at the correct frequency.

The ground-water sample MS recoveries were within the established control limits of 75-125 percent, indicating little or no bias was introduced by the sample matrix.

The leachate seep sample MS recoveries were within the established control limits, with the exception of manganese (54.6 percent) in Sample LT-901 SEEP, which was below the lower control limit. The results for manganese in leachate samples should be considered to be bias low. All other analyte results are usable as reported.

There was no MS performed for metals or cyanide for the surface water matrix.

The sediment sample MS recoveries for Sample LT-901 SED were reported within the established control limits, with the following exceptions: antimony (40.5 percent), manganese (62.0 percent), and cyanide (71.4 percent). The results for these three analytes in the sediment samples should be considered to be bias low.

All 24 TAL analytes were used to quantify LCS recoveries against laboratory established control limits. 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

All of the planned surface water, ground-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) were 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 SDG S9QS002, the second trip blank was collected in SDG 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. All 3 trip blanks associated with Site 9 were reported free of VOC contaminants, indicating that no cross-contamination of VOC occurred during the shipment of samples. Two rinsate blanks were submitted with the surface water aqueous SDG S9SW001. Rinsate blanks were not required for the ground-water aqueous SDG since dedicated pumping systems were used to collect the samples. Rinsate blank QS-003 was a dedicated bottle rinse sample associated with surface water sampling. Rinsate blank QS-004 was an equipment rinsate sample associated with the collection of sediment samples. One source water blank sample (QD-001) was collected under a separate SDG.

The rinsate blanks associated with the surface water and sediment samples collected at Site 9 were analyzed for VOC and TAL contaminants. The results of the 2 blanks and the associated source water blank are shown in the following table:

Analyte	Units	QS-003	QS-004	QD-001
Acetone	µg/L	16	21	22
2-Butanone	µg/L	3J	(<5U)	(<5U)
Aluminum	µg/L	(<10.2U)	(<10.2U)	24.2B*
Barium	µg/L	(<0.30U)	0.53B*	0.61B*
Calcium	µg/L	50.6B*	47.9B*	45.2B*
Chromium	µg/L	(<0.70U)	(<0.70U)	1.1B*
Magnesium	µg/L	11.8B*	(<7.0U)	(<7.0U)
Nickel	µg/L	1.2B*	(<1.0U)	(<1.0U)
Sodium	µg/L	132	52.2B*	64.5B*
Vanadium	µg/L	0.72B*	(<0.60U)	(<0.60U)
Zinc	µg/L	6.0B*	4.0B*	4.4B*
Cyanide	µg/L	(<1.3U)	5.0	(<1.3U)

NOTE: B = Compound detected in associated method blank.
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
U = Not detected. Sample quantitation limits are shown as (<____U).

The analytical results of the equipment rinsate blanks indicate that there were minor VOC contaminants present. Acetone was identified in both rinsate blanks, indicating a probability of acetone contamination and a potential to report false-positive acetone results in both surface water and sediment samples. It should be noted that the acetone contamination in both rinsate blanks was not significantly different from the concentration of acetone reported in the source water blank. This would indicate that the source of contamination is not necessarily related to the decontamination process and may be laboratory or source water related.

The analyte 2-butanone was detected in the surface water bottle rinsate; however, 2-butanone was not detected in the associated surface water samples; therefore, the data remains unaffected and are usable as reported.

TAL results for the surface water rinsate blank were not significantly above the results for the source water blank, with the exception of magnesium and sodium. The elevated results for magnesium and sodium may be a result of suspended solids and may be indicative of incomplete decontamination, or the sample matrix itself. The data user should be aware that magnesium and sodium results may be bias high in the surface water samples. The sediment sampling equipment rinsate blank reported a positive cyanide result; however, cyanide was not detected in the associated samples and, therefore, the data are unaffected and are usable as reported.

B.7 DUPLICATE FIELD SAMPLES

Field duplicate samples are used to evaluate the overall precision of both the field and laboratory and the homogeneity of the sample matrix. Typically, these results have more variability than laboratory precision measurements with the extremes being noted in soil matrices. Based on EPA Region I criteria for evaluating field duplicates, the following guidelines were used to review the field duplicate taken during the sampling event. The overall precision of organic compounds was evaluated as the RPD (non-detects were defined as one-half the Contract Required Quantitation Limit) and were considered acceptable at an RPD of less than 30 percent for water samples and 50 percent for soil samples. Overall precision of the inorganic analytes was evaluated by reviewing 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 acceptable RPD defined for inorganic analyses were less than 30 percent for water samples and less than 50 percent for soil samples. 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 as defined above. The precision measurements for all analytes reported above the Contract Required Quantitation Limit/Contract Required Detection Limit are defined in the tables below.

The following two tables show the two duplicate ground-water samples and their results which are associated with SDG S9SMW001:

Analyte	Units	MW-NASB-071	MW-NASB-071 DUP	RPD %	Difference
Acetone	μg/L	(<5U)	3J	18	NA
Aluminum	μg/L	21.8	25.0B*	NA	3.2
Arsenic	μg/L	5.7B*	5.8B*	NA	0.1
Barium	μg/L	6.5	6.5	0	NA
Calcium	μg/L	14,200	13,300	6.5	NA
Cobalt	μg/L	1.8B*	1.1B*	NA	0.7
Iron	μg/L	11,500	11,200	2.6	NA
Magnesium	μg/L	6,840	6,410	6.5	NA
Manganese	μg/L	343	321	6.6	NA
Potassium	μg/L	3,100	2,830	NA	270
Sodium	μg/L	37,100	35,100	5.5	NA
Zinc	μg/L	3.0B*	7.4B*	NA	4.4

NOTE:
- B = Compound detected in associated method blank.
- B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
- J = Estimated concentration below detection limit.
- U = Not detected. Sample quantitation limits are shown as (<____U).
- NA = Not applicable; the analyte concentration does not exceed 5 times the Contract Required Detection Limit and, therefore, the difference measurement is applied.

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

Analyte	Units	MW-NASB-081	MW-NASB-081 DUP	RPD %	Difference
Aluminum	µg/L	39.3B*	32.5B*	NA	6.8
Barium	µg/L	65.3	64.2	1.7	NA
Calcium	µg/L	60,400	57,900	4.2	NA
Chromium	µg/L	6.0B*	2.1B*	NA	3.9
Cobalt	µg/L	1.1B*	(<0.70U)	NA	13.9
Copper	µg/L	0.83B*	(<0.70U)	NA	11.7
Iron	µg/L	75.2	40.1B*	NA	35.1
Magnesium	µg/L	3,670	3,570	2.8	NA
Manganese	µg/L	29.0	21.3	30.6	NA
Nickel	µg/L	6.0B*	2.7B*	NA	3.3
Potassium	µg/L	10,700	10,200	4.8	NA
Sodium	µg/L	56,000	54,400	2.9	NA
Zinc	µg/L	5.4B*	3.3B*	NA	2.1

NOTE:
- B = Compound detected in associated method blank.
- B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
- J = Estimated concentration below detection limit.
- U = Not detected. Sample quantitation limits are shown as (<____U).
- NA = Not applicable; the analyte concentration does not exceed 5 times the Contract Required Detection Limit and, therefore, the difference measurement is applied.

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

The following table shows the leachate seep sample duplicate results associated with SDG S9QS003:

Analyte	Units	LT-901 (SEEP)	LT-901 (SEEP) DUP	RPD %	Difference
Acetone	µg/L	(<5U)	4J	46.2	NA
Aluminum	µg/L	14,100	3,950	112.5	NA
Arsenic	µg/L	62.6	19.7	NA	42.9
Barium	µg/L	392	137	96.4	NA
Beryllium	µg/L	0.75B*	(<0.20U)	NA	4.25
Cadmium	µg/L	(<0.30U)	1.2B*	NA	8.8
Calcium	µg/L	44,500	33,500	28.2	NA
Chromium	µg/L	45.1	13.9B	NA	31.2
Cobalt	µg/L	9.4B*	3.3B*	NA	6.1
Copper	µg/L	58.8	26.6	NA	32.2
Iron	µg/L	403,000	123,000	106.5	NA
Lead	µg/L	188	55.5	108.8	NA
Magnesium	µg/L	7,790	4,130	61.4	NA
Manganese	µg/L	1,610	715	77.1	NA
Mercury	µg/L	0.19B*	0.11B*	NA	0.08
Nickel	µg/L	31.1B*	9.0B*	NA	22.1
Potassium	µg/L	6,200	4,080	NA	2120
Selenium	µg/L	6.1B*	(<3.7U)	NA	1.1
Sodium	µg/L	48,400	47,500	1.9	NA
Vanadium	µg/L	82.0	23.2B*	NA	1.1
Zinc	µg/L	451	160	95.3	NA
Cyanide	µg/L	4.5B*	6.0	NA	1.1

NOTE: B = Compound detected in associated method blank.
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
J = Estimated concentration below detection limit.
U = Not detected. Sample quantitation limits are shown as (<____U).
NA = Not applicable; the analyte concentration does not exceed 5 times the Contract Required Detection Limit and, therefore, the difference measurement is applied.

All precision requirements were met with the exception of the following: acetone, aluminum, arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, potassium, and zinc. Acetone 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. Aluminum, arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, potassium, and zinc should be considered an estimated value of the true concentration in all seep samples. This may be indicative of the reproducibility of the sampling procedure when sampling a low flow source such as a seep.

The following table shows the leachate station sediment sample duplicate results associated with SDG S9LTSD1:

Analyte	Units	LT-901 (SED)	LT-901 (SED) DUP	RPD%	Difference
Methylene chloride	µg/Kg	2	28	173	NA
Acetone	µg/Kg	16	260	177	NA
Toluene	µg/Kg	0.8J	(<1.4U)	46	NA
1,2-Dichlorobenzene	µg/Kg	3	4	8.6	NA
1,3-Dichlorobenzene	µg/Kg	3	4	28.6	NA
1,4-Dichlorobenzene	µg/Kg	3	5	50	NA
2-Butanone	µg/Kg	(<7U)	11	125.9	NA
Total xylenes	µg/Kg	(<1.4U)	2	120	NA
Aluminum	µg/Kg	6,090	5,110	17.5	NA
Arsenic	µg/Kg	3.0	2.2	NA	0.8
Barium	µg/Kg	19.4	11.8	NA	7.6
Beryllium	µg/Kg	0.23B*	0.21B*	NA	0.02
Cadmium	µg/Kg	0.25B*	0.21B*	NA	0.04
Calcium	µg/Kg	1,130	980	14.2	NA
Chromium	µg/Kg	11.5	9.6	NA	1.9
Cobalt	µg/Kg	4.1	4.0	NA	0.1
Copper	µg/Kg	9.6	11.3	NA	1.7
Iron	µg/Kg	9,500	8,520	10.9	NA
Lead	µg/Kg	55.8	65.1	15.4	NA
Magnesium	µg/Kg	2,660	2,320	13.7	NA
Manganese	µg/Kg	92.4	85.0	8.3	NA
Mercury	µg/Kg	0.04B*	0.04B*	NA	0
Nickel	µg/Kg	11.6	12.5	NA	0.9
Potassium	µg/Kg	1,060	526	NA	534
Sodium	µg/Kg	90.1	94.6	NA	4.5
Vanadium	µg/Kg	16.9	13.6	NA	3.3
Zinc	µg/Kg	41.5	43.4	NA	1.9

NOTE: B = Compound detected in associated method blank.
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
J = Estimated concentration below detection limit.
U = Not detected. Sample quantitation limits are shown as (<____U).
NA = Not applicable; the analyte concentration does not exceed 5 times the Contract Required Detection Limit and, therefore, the difference measurement is applied.

All precision requirements for both organic and inorganic analyses were met with the exception of methylene chloride, acetone, toluene, 2-butanone, and total xylenes. The results for toluene, 2-butanone, and total xylenes were reported at or near the Contract Required Quantitation Limit, where analytical measurement error is anticipated. Therefore, these discrepancies are not considered significant. The data are usable as reported. The data user should consider the results for methylene chloride and acetone in leachate station sediment sample LT-901(SED) as estimations of the true concentrations. Because methylene chloride and acetone are common laboratory contaminants, and acetone was identified as a contaminant in the associated rinse sample (QS-004) and source water blank sample (QD-001), the user should be aware that the elevated precision may be indicative of contamination and not necessarily the homogeneity of the samples or the reproducibility of the sampling procedures.

Sediment samples were analyzed for VOC and SVOC only. The following table shows the duplicate sample results associated with sediment SDG S9SD001:

Analyte	Units	SED-012	SED-012 DUP	RPD %
Acetone	µg/Kg	13	(<6.5U)	135.4
Methylene chloride	µg/Kg	2B	(<1.3U)	120.0
Acenaphthene	µg/Kg	(<460U)	48J	109.8
Dibenzofuran	µg/Kg	(430U)	42J	103.5
Fluorene	µg/Kg	54J	87J	47.8
Phenanthrene	µg/Kg	620	880	35.0
Anthracene	µg/Kg	71J	140J	65.4
Carbazole	µg/Kg	61J	97J	46.6
Fluoranthrene	µg/Kg	790	1300	48.8
Pyrene	µg/Kg	650	900	32.2
Benzo(a)anthracene	µg/Kg	360J	590	48.4
Chrysene	µg/Kg	390J	520	28.5
Bis(2-ethylhexyl)phthalate	µg/Kg	150J	92J	47.9
Benzo(b)fluoranthene	µg/Kg	560	910	47.6
Benzo(a)pyrene	µg/Kg	290J	510	55.0
Indeno(1,2,3-cd)pyrene	µg/Kg	170J	280J	48.9
Benzo(g,h,i)perylene	µg/Kg	230J	300J	6.4

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

All precision requirements were met with the exception of acetone, methylene chloride, acenaphthene, dibenzofuran, anthracene, and benzo(a)pyrene. The results for methylene chloride, acenaphthene, dibenzofuran, anthracene, and benzo(a)pyrene were reported at or near the Contract Required Quantitation Limit where analytical measurement error is anticipated, therefore, these discrepancies are not considered significant and the data are usable as reported.

The data user should consider the results for acetone sediment samples as estimations of the true concentration. However, the user should be aware that the variability of the acetone measurement may be indicative of contamination and not necessarily the homogeneity of the samples or the reproducibility of the sampling procedure.

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 25-27 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Retention Time (min)	MW-NASB-069	MW-NASB-071	MW-NASB-071 DUP	MW-NASB-072	MW-NASB-074	MW-NASB-075	MW-NASB-076	MW-NASB-077
		MW-901	MW-903	MW-903 DUP	MW-904	MW-906	MW-907	MW-908	MW-909
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)									
Propanal	5.71								480JN
1-Propanol	7.52								25JN
1.4-Dioxane, dimethyl	16.79								17JN
1,4-Dioxane, dimethyl	17.15								10JN
2-Hexanol, 2-ethyl	25.12	13JN							
1-Hexanol, 2-ethyl	25.13								84JN

Analyte	Retention Time (min)	MW-NASB-078	MW-NASB-079	MW-NASB-080	MW-NASB-081	MW-NASB-081 DUP			
		MW-910	MW-914	MW-915	MW-916	MW-916 DUP	QT-005	QT-006	QT-007
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)									
Propanal	5.71								
1-Propanal	7.52								
1.4-Dioxane, dimethyl	16.79								
1,4-Dioxane, dimethyl	17.15								
2-Hexanol, 2-ethyl	25.12								
1-Hexanol, 2-ethyl	25.13								

NOTE: QT = Trip blank.
JN = Presumptive identification; estimated values.
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 26 JUNE 1996 AT SITE 9 NAVAL AIR STATION, BRUNSWICK, MAINE

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-012	SED-012 DUP	SED-915[a]	SED-919[a]	QS-004	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg)									
Acetonitrile	6.26								6JN
1-Propanol	7.11		10JN						
1,3-Dioxolane,2-ethyl-4-methyl	16.53			10JN					
Unknown Alkane	23.53	18J							
C10H14 Isomer	26.94		38J						
Unknown	27.86		8J						
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg)									
Unknown	4.35							6J	
Formamide,N,N-dimethyl	4.41								11J
2-Pentanone, 5-(acetyloxy)-	5.09		1,400JNB						
2-Pentanone,5-(acetyloxy)-	5.21				440JNB				
Unknown	5.22			760JB					
Unknown	5.24	560JB				380JB	730JB		
2-Pentanone,4-hydroxy-4-methyl-	5.72		57,000JNAB						
2-Pentanone,4-hydroxy-4-methyl-	5.84				19,000JNAB				
2-Pentanone,4-hydroxy-4-methyl-	5.87	25,000JNAB		30,000JNAB					
2-Pentanone,4-hydroxy-4-methyl-	5.89					19,000JNAB	29,000JNAB		

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

NOTE: QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 18 June 1996.
QS = Source water blank. Samples assocated with QS-004 were analyzed under a separate sample delivery group shipped on the same day.
JN = Presumptive identification; estimated values.
J = Estimated concentration below concentration limit.
A = Suspected Aldol condensation product.
B = Compound detected in associated method blank.
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-012	SED-012 DUP	SED-915[a]	SED-919[a]	QS-004	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)									
Unknown	7.14		2,800JB						
Unknown	7.29	1,700JB			1,400JB	1,600JB			
Unknown	7.30			2,100JB			1,900JB		
Ethanol,2-(ethoxyethoxy)	9.04								5JN
1H-Indene,2,3-dihydro-5-methyl	11.39		290JN						
1H-Indene.2.3-dihydro-4-methyl	11.55		710JN						
Benzoic Acid	11.74		150JN						
Benzoic Acid	11.85			170JN					
Benzoic Acid	11.87	100JN					120JN		
Benzoic Acid	11.88				160JN				
Benzoic Acid	11.91					140JN			
Decahydro-4,4,8,9,10-pentamethyl	16.07			250JN					
Unknown	21.03								5J
4H-Cyclopenta[def]phenanthrene	22.16					510JN			
9,10-Anthracenedione	22.54		360JN						
Naphthalene,1-phenyl-	22.71					290JN			
11H-Benzo[b]fluorene	25.16					560JN			
11H-Benzo[a]fluorene	25.33					360JN			
Pyrene,1-methyl-	25.41					330JN			
Alkane	25.45		220J						
Unknown	26.27				2,100J				
Unknown	26.57				420J				
1,1,3,3-Tetrachloro-1,3-disilocyclobutane	26.61		510JN						
7H-Benz[de]anthrecen-7-one	26.45					220JN			
Benzo[b]naphtho[2,1-d]thiopene	26.72					240JN			
Benzo[ghi]fluoranthene	26.81	380JN							
Cyclopenta[cd]pyrene	26.82					380JN			

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-012	SED-012 DUP	SED-915[a]	SED-919[a]	QS-004	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)									
Unknown	26.84				1,900J				
Unknown PAH	27.64					260J			
Unknown	27.91					180J			
P-TOLYLISOTHIOCYANTE	28.41		300JN						
Unknown phthalate ester	28.61					1,200J			
Unknown	28.65			380J					
Unknown	28.66				240J				
Alkane	28.67						250J		
Alkane	28.80		920J						
Alkane	28.99				280J				
Alkane	29.00			330J			220J		
Alkane	29.41			1,100J					
Alkane	29.42				560J				
Alkane	29.43						560J		
Benzo[e]pyrene	30.54					2,300JN			
Benz[e]acephenanthyrlene	30.13	250JN							
Benzo[j]fluoranthene	30.30		1,900JN						
Benzo[e]pyrene	30.50				680JN				
(Z)14-Tricosenylformate	31.34		590JN						
Alkane	31.75		1,300J						
Dodecane,1-cyclopentyl-4-(3cyclopentylp	31.83		920JN						
Alkane	31.96				460J				
Unknown	32.69			300J					
Unknown	33.58				390J				
Unknown	33.91		6,500J						
Unknown	34.03		2,200J						
D-Friedoolean-14-en-3-one	34.19			1,400JN					

Compound	Retention Time (min)	SED-010[a]	SED-011[a]	SED-012	SED-012 DUP	SED-915[a]	SED-919[a]	QS-004	QD-001
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/kg) (Continued)									
D-Freidoolean-14-en-3-one	34.20				2,300JN				
.gamma.-sisterol	34.21	270JN							
Unknown	34.61		1,400J						
Lup-20(29)-en-3-one	34.93			8,500JN					
Unknown	34.93	320J							
Unknown	34.94				6,200J				
Unknown	35.31		820J		1,600J				
Unknown	35.64				350J				
Unknown	36.37		810J						

TABLE C-3 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS REPORTED IN SEEP AND SEDIMENT SAMPLES COLLECTED ON 26 JUNE 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]	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 8260 (μg/L)									
Unknown	4.35						6J		
Unknown	6.24							5J	
Acetontrile	6.26								6JN
Unknown	21.03						5J		
.alpha.-Pinene	21.96				15JN				

(a) Reanalysis conducted due to low surrogate recovery.

NOTE: J = Estimated concentration below detection limit.
JN = Presumptive identification; estimated values.
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 18 June 1996.
Only those analytes detected in at least one of the samples are shown on this table.

TABLE C-4 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS REPORTED IN SURFACE WATER SAMPLES COLLECTED ON 26 JUNE 1996 AT SITE 9, NAVAL AIR STATION, BRUNSWICK, MAINE

Analyte	Retention Time (min)	SW-010	SW-011	SW-012	SW-915	SW-916	SW-919	SW-922	QT-005	QS-003	QD-001
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260 (μg/L)											
Unknown	6.24									5J	
Acetonitrile	6.26										6JN
1-Propanol	7.48			12JN							
1,4-Dioxane, dimethyl	16.77			48JN							
1,4-Dioxane, dimethyl	17.13			7JN							
Unknown	25.06					7J					
1-Hexanol,2-ethyl	25.07			35JN							
2-Propyl-1-pentanol	25.07						8JN				

NOTE: J = Estimated concentration below detection limit.
JN = Presumptive identification; estimated values.
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 blanks associated with leachate seep and sediment samples were analyzed under a separate sample delivery group shipped the same day.
QD = Source water blank. Samples associated with QD-001 were analyzed under a separate sample delivery group shipped on 18 June 1996.
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-MW009	MW-NASB-069
S9-MW008	MW-NASB-071
S9-MWXD2	MW-NASB-071 DUP
S9-MW001	MW-NASB-072
S9-MW003	MW-NASB-074
S9-MW002	MW-NASB-075
S9-MW004	MW-NASB-076
S9-MW006	MW-NASB-077
M9-MW005	MW-NASB-078
S9-MW010	MW-NASB-079
S9-MW011	MW-NASB-080
S9-MW007	MW-NASB-081
S9-MWXD1	MW-NASB-081 (DUP)

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

CHAIN of CUSTODY

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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. #: 29600417/7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

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

LAB USE ONLY

WORK ORDER #: WM1333

KATAHDIN PROJECT MANAGER: KJC

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C: 2.0 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOCs / VOCs 1:1 HCl	Cyanide / 1L NaOH	Total Elements / 1L HNO3							
	BN-06-S9-MW001 MS/MSD	6/25/96/1645	water	N	6	X									
	BN-06-S9-MW001 MS	6/25/96/1645	water	N	4		X	X							
	BN-06-S9-MW002	6/25/96/1637	water	N	2	X									
	BN-06-S9-MW003	6/25/96/1745	water	N	2	X									
	BN-06-S9-MW004	6/25/96/1711	water	N	2	X									
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COMMENTS: VOAs by 8260 plus library search. Total Elements and Cyanide, refer to 7-1 in QAPP. Temp blank ✓. Trip blank, BN-06-EP-QTC05, is included in cooler. Samples begin SDG # BN-06-S9-MW001.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Cuskin	6/26 0645	Deborah J. Nadeau	Deborah J. Nadeau	6/26 800	Andrea Colby
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

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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. #: 29600.47/7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

Sample (Print/Sign): Thomas R Carey III / Thomas R Carey III | Copies To:

LAB USE ONLY | WORK ORDER #: WM1354

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 2.4 ☐ 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 1:1 HCl	Cyanide NaOH	Tot Elements HNO_3							
✓	BN-06-S9-MW005	6/26/96 1345	H_2O	N	2	X									
✓	BN-06-S9-MW006	6/26/96 1415	H2O	N	2	X									
✓	BN-06-S9-MW007	6/26/96 1455	H2O	N	4	X	X	X							
✓	BN-06-S9-MWXD1	6/26/96 —	H2O	N	4	X	X	X							
✓	BN-06S9-MW008	6/26/96 1600	H2O	N	4	X	X	X							
✓	BN-06-S9-MWXD2	6/26/96 —	H2O	N	4	X	X	X							
✓	BN-06-S9-MW009	6/26/96 1645	H2O	N	2	X									
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COMMENTS: VOAs by 826C; PNAs library search. Tot Elements and Cyanide, refer to Table 7-1 in QAPP. Temp blank ✓. Trip blank, BN-06-S9-QT006, is included in cooler. Samples continue SDG # BN-06-S9-MW001.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Cholmes	6/96 0645	Deborah J. Nadeau	Deborah J. Nadeau	6/27 0745	Andrea Cole
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

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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 7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

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

LAB USE ONLY WORK ORDER #: W1373

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOAs/VOCs 1:1 HCl	Cyanide/IL NaOH	TAL Elements/IL HNO3							
	BN-06-59-MW001	6/27/96/09:17	water	N	4	X	X	X							
	BN-06-59-MW011	6/27/96/09:35	water	N	4	X	X	X							
	BN-06-59-GTC07	6/27/96/09:17	water	N	2	X									
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COMMENTS: VOAs by 8260, plus library search. TAL Elements and Cyanide refer to Table 7-1 in QAPP. Temp blank ✓. Samples complete SDG # BN-06-59-MW001.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Kevin O'Connor	6/27 1525	Jerry Fine			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-3
Report Date: 07/22/96
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
S9MW009	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-3
Report Date: 07/22/96
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
S9MW009	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/08/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/08/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

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ANALYTICAL SERVICES

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

Lab Number : WM-1354-3
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW009	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	07/08/96	DW	
Toluene-d8 (Surr.)	98.	%	1.0		EPA 8260	07/08/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	07/08/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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 '<' value

07/22/96

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW009

Lab Name: Katahdin

SDG No.: S9MW001

Matrix (soil/water): Water

Lab Sample ID: WM1354-3

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

Lab File ID: Q2187.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. N/A

Date Analyzed: 7/8/96

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.	000104-76-7	1 - Hexanol, 2 - ethyl -	25.12	13	JN
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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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-1354-6
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW008	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

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MG08VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-6
Report Date: 07/22/96
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
S9MW008	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/08/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/08/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-6
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW008	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	105.	%	1.0		EPA 8260	07/08/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	07/08/96	DW	
p-Bromofluorobenzene (Surr.)	106.	%	1.0		EPA 8260	07/08/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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 '<' value

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW008

Lab Name: Katahdin
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM1354-6
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2190.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 7/8/96
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.				
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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW008

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00
Matrix (soil/water): WATER Lab Sample ID: WM1354-6
Level (low/med): LOW__ Date Received: 06/27/96
% 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_	21.8	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	5.7	B		P
7440-39-3	Barium___	6.5			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	14200			P
7440-47-3	Chromium_	0.70	U		P
7440-48-4	Cobalt___	1.8	B		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron____	11500			P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	6840			P
7439-96-5	Manganese	343			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.0	U		P
7440-09-7	Potassium	3100			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	37100			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc____	3.0	B		P
	Cyanide__	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-7
Report Date: 07/22/96
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
S9MWXD2	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/09/96	SG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/09/96	SG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/09/96	SG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/09/96	SG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Acetone	J3.	µg/L	1.0	5.0	EPA 8260	07/09/96	SG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/09/96	SG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-7
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MWXD2	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/09/96	SG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/09/96	SG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	

* 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

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-7
Report Date: 07/22/96
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
S9MWXD2	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	07/09/96	SG	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	07/09/96	SG	
p-Bromofluorobenzene (Surr.)	98.	%	1.0		EPA 8260	07/09/96	SG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/09/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MWXD2

Lab Name: Katahdin
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM1354-7
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2201.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 7/8/96
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.				
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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MWXD2

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

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

Matrix (soil/water): WATER Lab Sample ID: WM1354-7

Level (low/med): LOW__ Date Received: 06/27/96

% 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_	25.0	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	5.8	B		P
7440-39-3	Barium___	6.5			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	13300			P
7440-47-3	Chromium_	0.70	U		P
7440-48-4	Cobalt___	1.1	B		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron____	11200			P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	6410			P
7439-96-5	Manganese	321			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.0	U		P
7440-09-7	Potassium	2830			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	35100			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc____	7.4	B		P
	Cyanide__	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-1
Report Date: 07/22/96
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
S9MW001	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Vinyl chloride	3.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-1
Report Date: 07/22/96
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
S9MW001	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/26/96	TG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/26/96	TG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1333-1
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW001	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	101.	%	1.0		EPA 8260	06/26/96	TG	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/26/96	TG	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/26/96	TG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW001

Lab Name	Katahdin	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM1333-1
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	F7377.D
Level: (low/med)	Low	Date Received:	6/26/96
% Moisture: not dec.	N/A	Date Analyzed:	6/26/96
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
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SW846

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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: WM1333-1

Level (low/med): LOW__ Date Received: 06/26/96

% 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_	39.1	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	6.4			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	19000			P
7440-47-3	Chromium_	0.96	B		P
7440-48-4	Cobalt___	0.71	B		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron____	46.6	B		P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	4740			P
7439-96-5	Manganese	169			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.2	B		P
7440-09-7	Potassium	1580			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	10000			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.73	B		P
7440-66-6	Zinc____	2.0	B		P
	Cyanide__	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-3
Report Date: 07/22/96
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
S9MW003	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Vinyl chloride	2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total 1,2-Dichloroethene	7.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1333-3
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW003	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/26/96	TG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/26/96	TG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1333-3
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW003	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	06/26/96	TG	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/26/96	TG	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/26/96	TG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW003

Lab Name: Katahdin

SDG No.: S9MW001

Matrix (soil/water): Water

Lab Sample ID: WM1333-3

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

Lab File ID: F7380.D

Level: (low/med) Low

Date Received: 6/26/96

% Moisture: not dec. N/A

Date Analyzed: 6/26/96

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.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-2
Report Date: 07/22/96
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	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Vinyl chloride	10.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethane	1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-2
Report Date: 07/22/96
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
S9MW002	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/26/96	TG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/26/96	TG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-2
Report Date: 07/22/96
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
S9MW002	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	06/26/96	TG	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/26/96	TG	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/26/96	TG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW002

Lab Name: Katahdin
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM1333-2
Sample wt/vol: 5 (g/ml) ml
Lab File ID: F7381.D
Level: (low/med) Low
Date Received: 6/26/96
% Moisture: not dec. N/A
Date Analyzed: 6/26/96
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.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-4
Report Date: 07/22/96
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
S9MW004	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Vinyl chloride	6.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	TG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	TG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1333-4
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW004	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/26/96	TG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/26/96	TG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1333-4
Report Date: 07/22/96
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
S9MW004	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	06/26/96	TG	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/26/96	TG	
p-Bromofluorobenzene (Surr.)	100.	%	1.0		EPA 8260	06/26/96	TG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	TG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/22/96

LJO/jcbajc(dw)/drt/tjg
MF26VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW004

Lab Name: Katahdin
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM1333-4
Sample wt/vol: 5 (g/ml) ml
Lab File ID: F7382.D
Level: (low/med) Low
Date Received: 6/26/96
% Moisture: not dec. N/A
Date Analyzed: 6/26/96
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.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-2
Report Date: 07/22/96
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
S9MW006	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
2-Butanone	J5	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-2
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW006	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/08/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/08/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Toluene	1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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 '<' value

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-2
Report Date: 07/22/96
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
S9MW006	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	07/08/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	07/08/96	DW	
p-Bromofluorobenzene (Surr.)	107.	%	1.0		EPA 8260	07/08/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW006

Lab Name: Katahdin
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM1354-2
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2186.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 7/8/96
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: 5
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000123-38-6	Propanal	5.71	480	JN
2.	000071-23-8	1-Propanol	7.52	25	JN
3.	025136-55-4	1,4 - Dioxane, dimethyl -	16.79	17	JN
4.	025136-55-4	1,4 - Dioxane, dimethyl -	17.15	10	JN
5.	000104-76-7	1 - Hexanol, 2 - ethyl -	25.13	84	JN
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-1
Report Date: 07/22/96
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
S9MW005	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-1
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW005	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/08/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/08/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-1
Report Date: 07/22/96
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
S9MW005	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	105.	%	1.0		EPA 8260	07/08/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	07/08/96	DW	
p-Bromofluorobenzene (Surr.)	106.	%	1.0		EPA 8260	07/08/96	DW	
1,2-Dichlorobenzene	1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,4-Dichlorobenzene	1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW005

Lab Name: Katahdin

SDG No.: S9MW001

Matrix (soil/water): Water

Lab Sample ID: WM1354-1

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

Lab File ID: Q2185.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. N/A

Date Analyzed: 7/8/96

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.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-1
Report Date: 07/22/96
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
S9MW010	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	SG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	SG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-1
Report Date: 07/22/96
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
S9MW010	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/05/96	SG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/05/96	SG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-1
Report Date: 07/22/96
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
S9MW010	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	07/05/96	SG	
Toluene-d8 (Surr.)	95.	%	1.0		EPA 8260	07/05/96	SG	
p-Bromofluorobenzene (Surr.)	94.	%	1.0		EPA 8260	07/05/96	SG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW010

Lab Name: Katahdin
SDG No.: S9MW001
Matrix (soil/water): Water
Lab Sample ID: WM1373-1
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2176.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 7/5/96
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.				
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW010

Lab Name: KATAHDIN_ANALYTICAL Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00
Matrix (soil/water): WATER Lab Sample ID: WM1373-1
Level (low/med): LOW Date Received: 06/27/96
% 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	36.6	B		P
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	251			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	31900			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	0.70	U		P
7439-89-6	Iron	20500			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	2000			P
7439-96-5	Manganese	125			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	3230			P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	3940			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.60	U		P
7440-66-6	Zinc	3.2	B		P
	Cyanide	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-2
Report Date: 07/22/96
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
S9MW011	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	SG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	SG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1373-2
Report Date: 07/22/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW011	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/05/96	SG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/05/96	SG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-2
Report Date: 07/22/96
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
S9MW011	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	07/05/96	SG	
Toluene-d8 (Surr.)	98.	%	1.0		EPA 8260	07/05/96	SG	
p-Bromofluorobenzene (Surr.)	98.	%	1.0		EPA 8260	07/05/96	SG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW011

Lab Name	Katahdin	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM1373-2
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2177.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	7/5/96
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
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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW011

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S9MW00
Matrix (soil/water): WATER Lab Sample ID: WM1373-2
Level (low/med): LOW__ Date Received: 06/27/96
% 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_	53.5	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	814			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	64600			P
7440-47-3	Chromium_	1.9	B		P
7440-48-4	Cobalt___	0.70	U		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron____	1960			P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	3900			P
7439-96-5	Manganese	122			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	2.0	B		P
7440-09-7	Potassium	6960			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	16800			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc____	5.4	B		P
	Cyanide__	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-4
Report Date: 07/22/96
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	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-4
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW007	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/08/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/08/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-4
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MW007	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	105.	%	1.0		EPA 8260	07/08/96	DW	
Toluene-d8 (Surr.)	96.	%	1.0		EPA 8260	07/08/96	DW	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	07/08/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MW007

Lab Name	Katahdin	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM1354-4
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2188.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	7/8/96
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.				
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SW846

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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: WM1354-4

Level (low/med): LOW__ Date Received: 06/27/96

% 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_	39.3	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	65.3			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	60400			P
7440-47-3	Chromium_	6.0	B		P
7440-48-4	Cobalt___	1.1	B		P
7440-50-8	Copper___	0.83	B		P
7439-89-6	Iron____	75.2			P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	3670			P
7439-96-5	Manganese	29.0			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	6.0	B		P
7440-09-7	Potassium	10700			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	56000			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc____	5.4	B		P
	Cyanide__	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-5
Report Date: 07/22/96
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
S9MWXD1	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/08/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/08/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1354-5
Report Date: 07/22/96
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
S9MWXD1	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/08/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/08/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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.

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1354-5
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9MWXD1	Aqueous	T.CAREY III	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	107.	%	1.0		EPA 8260	07/08/96	DW	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	07/08/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	07/08/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/08/96	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 '<' value

07/22/96

LJO/jcbajc(dw)/drt
MG08VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9MWXD1

Lab Name	Katahdin	SDG No.:	S9MW001
Matrix (soil/water)	Water	Lab Sample ID:	WM1354-5
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2189.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	7/8/96
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.				
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SW846

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: WM1354-5
Level (low/med): LOW__ Date Received: 06/27/96
% 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_	32.5	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	64.2			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	57900			P
7440-47-3	Chromium_	2.1	B		P
7440-48-4	Cobalt___	0.70	U		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron____	40.1	B		P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	3570			P
7439-96-5	Manganese	21.3			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	2.7	B		P
7440-09-7	Potassium	10200			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	54400			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc____	3.3	B		P
	Cyanide__	1.3	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1316-16
Report Date: 07/18/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
EPQT004	Aqueous	K.RUSCZYK	06/24/96	06/25/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/26/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/26/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/18/96

LJO/jcbajc(dw)/daw/drt
MF25VLW3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1316-16
Report Date: 07/18/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
EPQT004	Aqueous	K.RUSCZYK	06/24/96	06/25/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/26/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/26/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/18/96

LJO/jcbajc(dw)/daw/drt
MF25VLW3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1316-16
Report Date: 07/18/96
PO No. : 802LSQA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
EPQT004	Aqueous	K.RUSCZYK	06/24/96	06/25/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	06/26/96	DW	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	06/26/96	DW	
p-Bromofluorobenzene (Surr.)	85.	%	1.0		EPA 8260	06/26/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/26/96	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.

07/18/96

LJO/jcbajc(dw)/daw/drt
MF25VLW3

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: EPQT004

Lab Name: Katahdin
SDG No.: EPMW017
Matrix (soil/water): Water
Lab Sample ID: WM1316-16
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2000.D
Level: (low/med) Low
Date Received: 6/25/96
% Moisture: not dec. N/A
Date Analyzed: 6/26/96
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.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1341-4
Report Date: 07/18/96
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
EPQT005	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	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.

07/18/96

LJO/jcbajc(dw)/daw/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1341-4
Report Date: 07/18/96
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
EPQT005	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/05/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/05/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	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.

07/18/96

LJO/jcbajc(dw)/daw/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1341-4
Report Date: 07/18/96
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
EPQT005	Aqueous	K.RUSCZYK	06/25/96	06/26/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	07/05/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	07/05/96	DW	
p-Bromofluorobenzene (Surr.)	100.	%	1.0		EPA 8260	07/05/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	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.

07/18/96

LJO/jcbajc(dw)/daw/drt
MG05VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: EPQT005

Lab Name: Katahdin
SDG No.: EPMW017
Matrix (soil/water): Water
Lab Sample ID: WM1341-4
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2175.D
Level: (low/med) Low
Date Received: 6/26/96
% Moisture: not dec. N/A
Date Analyzed: 7/5/96
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.				
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6.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-11
Report Date: 07/17/96
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
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	J4	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-11
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-11
Report Date: 07/17/96
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
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT006

Lab Name: Katahdin

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM1351-11

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

Lab File ID: Q2078.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. N/A

Date Analyzed: 6/29/96

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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
2.				
4.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-3
Report Date: 07/22/96
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
S9QT007	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	07/05/96	SG	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	SG	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	07/05/96	SG	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1373-3
Report Date: 07/22/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT007	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	07/05/96	SG	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	07/05/96	SG	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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.

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1373-3
Report Date: 07/22/96
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
S9QT007	Aqueous	K.RUSCZYK	06/27/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	07/05/96	SG	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	07/05/96	SG	
p-Bromofluorobenzene (Surr.)	98.	%	1.0		EPA 8260	07/05/96	SG	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	07/05/96	SG	

* 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

07/22/96

LJO/jcbajc(dw)/drt
MG05VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT007

Lab Name: Katahdin

SDG No.: S9MW001

Matrix (soil/water): Water

Lab Sample ID: WM1373-3

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

Lab File ID: Q2178.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. N/A

Date Analyzed: 7/5/96

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.				
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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-SW007	SW-010
S9-SW006	SW-011
S9-SW002	SW-012
S9-SW004	SW-915
S9-SW003	SW-916
S9-SW005	SW-919
S9-SW001	SW-922

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. #: 29600.47/7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

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

LAB USE ONLY | WORK ORDER #: WM1351

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 3.0 ☐ 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 1:1 HCl	Tal Elements HNO_3	Cyanide NaOH	SVOC none						
1	BN-06-S9-QS003	6/26/96/0800	water	N	4	X	X	X							
3	BN-06-S9-QS004	6/26/96/0810	water	N	5	X	X	X	X						
4	BN-06-S9-SW001	6/26/96/0830	water	N	2	X									
5	BN-06-S9-SW002	6/26/96/0915	water	N	2	X									
	BN-06-S9-SW003	6/26/96/0858	water	N	2	X									
7	BN-06-S9-SW004 MS	6/26/96/1030	water	N	2	X									
8	BN-06-S9-SW005	6/26/96/1015	water	N	2	X									
9	BN-06-S9-SW006	6/26/96/0925	water	N	2	X									
10	BN-06-S9-SW007	6/26/96/0955	water	N	2	X									
2	BN-06-S9-SWXD1	6/26/96/—	water	N	4	X	X	X							
11	BN-06-S9-QT006	6/26/96/0800	water	N	2	X									
12	BN-06-S9-LT001 MS/MSD	6/26/96/1045	water	N	6	X									
12	BN-06-S9-LT001 MS	6/26/96/1045	water	N	4		X	X							
		/													
		/													
		/													

COMMENTS: VOAs by 826C plus library search. Tal Elements and Cyanide refer to 2-1 in QAPP. Temp blank ✓. SDG starts with sample BN-06-S9-QS003 (SDG #) and ends with BN-06-S9-LT001.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Anderson	6/27 0645	Deborah J. Nadeau	Deborah J. Nadeau	6/27 0745	Andrea Cay
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-1351-10
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW007	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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 '<' value

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-10
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW007	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-10
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW007	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	108.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	102.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW007

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-10
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2077.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
2.				
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Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-9
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	6.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-9
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-9
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	116.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	98.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	108.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW006

Lab Name: Katahdin

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM1351-9

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

Lab File ID: Q2076.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. N/A

Date Analyzed: 6/29/96

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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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2.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-5
Report Date: 07/17/96
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
S9SW002	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-5
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW002	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-5
Report Date: 07/17/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW002	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	106.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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 '<' value

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW002

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-5
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2072.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000071-23-8	1-Propanol	7.48	12	JN
2.	025136-55-4	1,4-Dioxane, dimethyl-	16.77	48	JN
2.	025136-55-4	1,4-Dioxane, dimethyl-	17.13	7	JN
4.	000104-76-7	1-Hexanol, 2-ethyl-	25.07	35	JN
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Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-7
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-7
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-7
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	106.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	102.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW004

Lab Name	Katahdin	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM1351-7
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2074.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	6/29/96
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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-6
Report Date: 07/17/96
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
S9SW003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-6
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-6
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	103.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	98.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	92.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW003

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-6
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2073.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 1
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	25.06	7	J
2.				
2.				
4.				
5.				
6.				
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8.				
9.				
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19.				
20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-8
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW005	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-8
Report Date: 07/17/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-8
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW005	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	104.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW005

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-8
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2075.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 1
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	058175-57-8	2-Propyl-1-pentanol	25.07	8	JN
2.					
2.					
4.					
5.					
6.					
7.					
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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-1351-4
Report Date: 07/17/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW001	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	7.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-4
Report Date: 07/17/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-4
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SW001	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	106.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SW001

Lab Name	Katahdin	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM1351-4
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2071.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	6/29/96
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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Acetone	22.	µg/L	1.0	5.0	EPA 8260	06/21/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/21/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	

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07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

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-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/21/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/21/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	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.

07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	99.	%	1.0		EPA 8260	06/21/96	DW	
Toluene-d8 (Surr.)	97.	%	1.0		EPA 8260	06/21/96	DW	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/21/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	

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07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name: Katahdin
SDG No.: S1QD001
Matrix (soil/water): Water
Lab Sample ID: WM1269-1
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q1899.D
Level: (low/med) Low
Date Received: 6/20/96
% Moisture: not dec. N/A
Date Analyzed: 6/21/96
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. 000075-05-8	Acetonitrile	6.26	6	JN
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-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

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	07/12/96	JC	
bis(2-Chloroethyl)ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Chlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,3-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,4-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,2-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Chloroisopropyl) ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
n-Nitroso-dipropylamine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachloroethane	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Nitrobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Isophorone	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Nitrophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

* 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 06/24/96 by DEW using EPA 3520

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4-Dimethylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Chloroethoxy)methane	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,2,4-Trichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Naphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chloroaniline	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorobutadiene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chloro-3-methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Methylnaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorocyclopentadiene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4,6-Trichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4,5-Trichlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
2-Chloronaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Dimethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Acenaphthylene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

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07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
2,6-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
3-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Acenaphthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dinitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
4-Nitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Dibenzofuran	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Diethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chlorophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Fluorene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
4,6-Dinitro-2-methylphenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
n-Nitrosodiphenylamine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Bromophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Pentachlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	

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07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Phenanthrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Carbazole	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Di-n-butylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Butyl benzylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
3,3'-Dichlorobenzidine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(a)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Chrysene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Ethylhexyl)phthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Di-n-octylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(b)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(k)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(a)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Indeno(1,2,3-cd)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

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07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibenzo(a,h)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(g,h,i)perylene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Fluorophenol (% Recovery)	70.	%	1.0		EPA 8270B	07/12/96	JC	
Phenol-d5 (% Recovery)	78.	%	1.0		EPA 8270B	07/12/96	JC	
Nitrobenzene-d5 (% Recovery)	80.	%	1.0		EPA 8270B	07/12/96	JC	
2-Fluorobiphenyl (% Recovery)	86.	%	1.0		EPA 8270B	07/12/96	JC	
2,4,6-Tribromophenol (% Recovery)	80.	%	1.0		EPA 8270B	07/12/96	JC	
Terphenyl-d14 (% Recovery)	81.	%	1.0		EPA 8270B	07/12/96	JC	

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07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name: Katahdin

SDG No.: S1QD001

Matrix (soil/water): Water

Lab Sample ID: WM1269-1

Sample wt/vol: 1000 (g/ml) ml

Lab File ID: Z1244

Level: (low/med) low

Date Received: 6/20/96

% Moisture: not dec. N/A N (Y/N) Decanted

Date Extracted: 6/24/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/12/96

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: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	68122	Formamide, N,N-dimethyl-	4.41	11	JN
2.	111900	Ethanol, 2-(ethoxyethoxy)-	9.04	5	JN
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

SW846

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1QD001

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S1QD00
Matrix (soil/water): WATER Lab Sample ID: WM1269-1
Level (low/med): LOW__ Date Received: 06/20/96
% 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_	24.2	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	0.61	B	E	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	45.2	B		P
7440-47-3	Chromium_	1.1	B		P
7440-48-4	Cobalt___	0.70	U		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron_____	25.0	U		P
7439-92-1	Lead_____	1.0	U		P
7439-95-4	Magnesium	7.0	U	E	P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.0	U		P
7440-09-7	Potassium	635	U		P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	64.5	B		P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc_____	4.4	B		P
	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-1
Report Date: 07/17/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Acetone	16.	µg/L	1.0	5.0	EPA 8260	06/28/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
2-Butanone	J3	µg/L	1.0	5.0	EPA 8260	06/28/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-1
Report Date: 07/17/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/28/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/28/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-1
Report Date: 07/17/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Dibromofluoromethane (Surr.)	106.	%	1.0		EPA 8260	06/28/96	DW	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	06/28/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/28/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QS003

Lab Name	Katahdin	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM1351-1
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2068.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	6/28/96
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: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.24	5	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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20.				
21.				
22.				

SW846

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: WM1351-1
Level (low/med): LOW__ Date Received: 06/27/96
% 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_	10.2	U		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	0.30	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	50.6	B		P
7440-47-3	Chromium_	0.70	U		P
7440-48-4	Cobalt___	0.70	U		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron_____	25.0	U		P
7439-92-1	Lead_____	1.0	U		P
7439-95-4	Magnesium	11.8	B		P
7439-96-5	Manganese	5.0	U	N	P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.2	B		P
7440-09-7	Potassium	635	U		P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	132			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.72	B		P
7440-66-6	Zinc_____	6.0	B		P
	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-11
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	1
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	J4	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-11
Report Date: 07/17/96
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
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-11
Report Date: 07/17/96
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
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT006

Lab Name	Katahdin	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM1351-11
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2078.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	6/29/96
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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
2.				
4.				
5.				
6.				
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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-SD007	SED-010
S9-SD006	SED-011
S9-SD002	SED-012
S9-SDXD1	SED-012 (DUP)
S9-SD004	SED-915
S9-SD003	SED-916
S9-SD005	SED-919
S9-SD001	SED-922

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. #: 29600.47/7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

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

LAB USE ONLY | WORK ORDER #: WM1352

KATAHDIN PROJECT MANAGER _____

REMARKS: _____

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO: _____

TEMP°C 6.0 ☐ 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 none	SVOCs/SVOCs soil jar none								
	BN-06-S9-SD001	6/26/96/0834	Sed.	N	1	X									
	BN-06-S9-SD002	6/26/96/0917	Sed.	N	2	X	X								
	BN-06-S9-SD003	6/26/96/0901	Sed.	N	1	X									
	BN-06-S9-SD004 ms/msp	6/26/96/1032	Sed.	N	4	X	X								
	BN-06-S9-SD005	6/26/96/1020	Sed.	N	2	X	X								
	BN-06-S9-SD006	6/26/96/0930	Sed.	N	2	X	X								
	BN-06-S9-SD007	6/26/96/0958	Sed.	N	2	X	X								
	BN-06-S9-SDXD1	6/26/96/ —	Sed.	N	2	X	X								
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS VOAs by 8260C, plus library search. Tal Elements and cyanide, refer to 7-1 in QAPP. Trip blank, BN-06-S9-QT004, included in cooler. Temp blank ✓. SD6 starts with BN-06-S9-SD001 (SD6#) and ends with BN-06-S9-SDXD1.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian O'Connor	6/27 0845	Deborah J. Nadeau	Deborah J. Nadeau	6/27 0745	Andrea Cory
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					000007

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Chloromethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Bromomethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Methylene chloride	B3	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Acetone	J4	µg/kgdrywt	1.2	5.0	EPA 8260	06/29/96	SG	
Carbon disulfide	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Total 1,2-Dichloroethene	4.	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Chloroform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	06/29/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Carbon tetrachloride	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Bromodichloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloropropane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
cis-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Trichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Dibromochloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1,2-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Benzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
trans-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Bromoform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	06/29/96	SG	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	06/29/96	SG	
Tetrachloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,1,2,2-Tetrachloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Toluene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Chlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Ethylbenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Styrene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Total Xylenes	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Dibromofluoromethane (Surr.)	111.	%	1.2		EPA 8260	06/29/96	SG	
Toluene-d8 (Surr.)	96.	%	1.2		EPA 8260	06/29/96	SG	
p-Bromofluorobenzene (Surr.)	74.	%	1.2		EPA 8260	06/29/96	SG	
1,2-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,3-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,4-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD007

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM1352-6
Sample wt/vol: 5 (g/ml) g
Lab File ID: I3246.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 17
Date Analyzed: 6/29/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.32	95	JNB
2.		Unknown Alkane	23.53	18	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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18.					
19.					
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21.					
22.					

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3,4
Reanalysis								
Chloromethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	B2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Acetone	JB4	µg/kgdrywt	1.2	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

* 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) "#" flag denotes surrogate compound recovery is out of criteria.
(4) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	07/02/96	SG	
1,1,1-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloropropane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

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07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	07/02/96	SG	
Tetrachloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Toluene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Dibromofluoromethane (Surr.)	109.	%	1.2		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	#69	%	1.2		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	78.	%	1.2		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

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07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,3-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

* 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) "#" flag denotes surrogate compound recovery is out of criteria.
(4) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD007RE

Lab Name: Katahdin ASI

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-6RE

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

Lab File ID: Q2111.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. 17

Date Analyzed: 7/2/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: NA (ul)

Soil Aliquot Volume: NA (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.				
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14.				
15.				
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17.				
18.				
19.				
20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

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	07/16/96	LM	
bis(2-Chloroethyl)ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Chlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,3-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,4-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,2-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroisopropyl) ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
n-Nitroso-dipropylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachloroethane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Nitrobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Isophorone	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-6
Report Date: 07/26/96
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
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dimethylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroethoxy)methane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,2,4-Trichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Naphthalene	J31	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Chloroaniline	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachlorobutadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Chloro-3-methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Methylnaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachlorocyclopentadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4,6-Trichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4,5-Trichlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
2-Chloronaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Acenaphthylene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,6-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
3-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Acenaphthene	J140	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dinitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
4-Nitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Dibenzofuran	J70	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Diethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Chlorophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Fluorene	J140	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
4,6-Dinitro-2-methylphenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
n-Nitrosodiphenylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-6
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Pentachlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Phenanthrene	1300.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Anthracene	J210	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Carbazole	J190	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Di-n-butylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Fluoranthene	1700.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Pyrene	1100.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Butyl benzylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
3,3'-Dichlorobenzidine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(a)anthracene	700.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Chrysene	700.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Ethylhexyl)phthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Di-n-octylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-6
Report Date: 07/26/96
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
S9SD007	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	1100.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(k)fluoranthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(a)pyrene	630.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Indeno(1,2,3-cd)pyrene	J330.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Dibenzo(a,h)anthracene	J67	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(g,h,i)perylene	J360	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Fluorophenol (% Recovery)	41.	%	1.2		EPA 8270B	07/16/96	LM	
Phenol-d5 (% Recovery)	72.	%	1.2		EPA 8270B	07/16/96	LM	
Nitrobenzene-d5 (% Recovery)	71.	%	1.2		EPA 8270B	07/16/96	LM	
2-Fluorobiphenyl (% Recovery)	77.	%	1.2		EPA 8270B	07/16/96	LM	
2,4,6-Tribromophenol (%	72.	%	1.2		EPA 8270B	07/16/96	LM	
Terphenyl-d14 (% Recovery)	66.	%	1.2		EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD007

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-6

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1297.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 17 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/16/96

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: 8

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.24	560	JB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.87	25000	JNAB
3.		Unknown	7.29	1700	JB
4.	000065-85-0	Benzoic acid	11.87	100	JN
5.	000203-12-3	Benzo[ghi]fluoranthene	26.81	380	JN
6.	000205-99-2	Benz[e]acephenanthrylene	30.13	250	JN
7.	000083-47-6	.gamma.-Sitosterol	34.21	270	JN
8.		Unknown	34.93	320	J
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-5
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Chloromethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	06/29/96	SG	
Bromomethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	06/29/96	SG	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	06/29/96	SG	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	06/29/96	SG	
Methylene chloride	B6	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Acetone	98.	µg/kgdrywt	1.4	5.0	EPA 8260	06/29/96	SG	
Carbon disulfide	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Total 1,2-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Chloroform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
2-Butanone	30.	µg/kgdrywt	1.4	5.0	EPA 8260	06/29/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Carbon tetrachloride	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Bromodichloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloropropane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
cis-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Trichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Dibromochloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,1,2-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Benzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
trans-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Bromoform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	06/29/96	SG	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	06/29/96	SG	
Tetrachloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	

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07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,2,2-Tetrachloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Toluene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Chlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Ethylbenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Styrene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Total Xylenes	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
Dibromofluoromethane (Surr.)	113.	%	1.4		EPA 8260	06/29/96	SG	
Toluene-d8 (Surr.)	96.	%	1.4		EPA 8260	06/29/96	SG	
p-Bromofluorobenzene (Surr.)	$59	%	1.4		EPA 8260	06/29/96	SG	
1,2-Dichlorobenzene	4.	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,3-Dichlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	
1,4-Dichlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	06/29/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

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: WM1352-5
Sample wt/vol: 5 (g/ml) g
Lab File ID: I3245.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 28
Date Analyzed: 6/29/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.33	190	JNB
2.	000071-23-8	1-Propanol	7.11	10	JN
3.		C10H14 Isomer	26.94	38	J
4.		Unknown	27.86	8	J
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-1352-5
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3,4
Reanalysis								
Chloromethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	B8	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Acetone	B79	µg/kgdrywt	1.4	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

(4) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS4

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
2-Butanone	21.	µg/kgdrywt	1.4	5.0	EPA 8260	07/02/96	SG	
1,1,1-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloropropane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS4

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Methyl-2-pentanone	J2	µg/kgdrywt	1.4	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	07/02/96	SG	
Tetrachloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Toluene	3.	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	B5	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Dibromofluoromethane (Surr.)	113.	%	1.4		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	86.	%	1.4		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	$59	%	1.4		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	B8	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS4

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-5
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,3-Dichlorobenzene	B3	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	B6	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.
(4) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS4

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD006RE

Lab Name: Katahdin ASI
SDG No.: S9SD001
Matrix (soil/water): Soil
Lab Sample ID: WM1352-5RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2124.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 28
Date Analyzed: 7/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (ul)

Number of TIC's Found: 7
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000124-38-9	Carbon Dioxide	2.44	100	JNB
2.	025136-55-4	1,4-Dioxane, dimethyl-	16.79	12	JN
3.		C10H14 Isomer	26.36	8	J
4.		C9H10 Isomer	26.58	19	J
5.		C10H14 Isomer	27.03	51	J
6.		C10H14 Isomer	27.93	23	J
7.		C10H12 Isomer	28.12	17	J
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-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

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	07/18/96	JC	
bis(2-Chloroethyl)ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2-Chlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
1,3-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
1,4-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
1,2-Dichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
bis(2-Chloroisopropyl) ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
4-Methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
n-Nitroso-dipropylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Hexachloroethane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Nitrobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Isophorone	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	

* 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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,4-Dimethylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
bis(2-Chloroethoxy)methane	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,4-Dichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
1,2,4-Trichlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Naphthalene	J91	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
4-Chloroaniline	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Hexachlorobutadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
4-Chloro-3-methylphenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2-Methylnaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Hexachlorocyclopentadiene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,4,6-Trichlorophenol	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
2-Chloronaphthalene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-5
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Acenaphthylene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,6-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
3-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
Acenaphthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
4-Nitrophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
Dibenzofuran	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2,4-Dinitrotoluene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Diethylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
4-Chlorophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Fluorene	J100	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
4-Nitroaniline	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
n-Nitrosodiphenylamine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Hexachlorobenzene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Pentachlorophenol	<1100.	µg/kgdrywt	1.4	820	EPA 8270B	07/18/96	JC	
Phenanthrene	1400.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Anthracene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Carbazole	J180.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Di-n-butylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Fluoranthene	5300.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Pyrene	4200.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Butyl benzylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
3,3'-Dichlorobenzidine	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Benzo(a)anthracene	1500.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Chrysene	1900.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
bis(2-Ethylhexyl)phthalate	4000.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Di-n-octylphthalate	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-5
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD006	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	2500.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Benzo(k)fluoranthene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Benzo(a)pyrene	890.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Indeno(1,2,3-cd)pyrene	510.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Dibenzo(a,h)anthracene	<460.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
Benzo(g,h,i)perylene	500.	µg/kgdrywt	1.4	330	EPA 8270B	07/18/96	JC	
2-Fluorophenol (% Recovery)	70.	%	1.4		EPA 8270B	07/18/96	JC	
Phenol-d5 (% Recovery)	67.	%	1.4		EPA 8270B	07/18/96	JC	
Nitrobenzene-d5 (% Recovery)	70.	%	1.4		EPA 8270B	07/18/96	JC	
2-Fluorobiphenyl (% Recovery)	99.	%	1.4		EPA 8270B	07/18/96	JC	
2,4,6-Tribromophenol (%	65.	%	1.4		EPA 8270B	07/18/96	JC	
Terphenyl-d14 (% Recovery)	78.	%	1.4		EPA 8270B	07/18/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD006

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-5

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1343.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 28 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/18/96

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: 20

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	005185-97-7	2-Pentanone, 5-(acetyloxy)-	5.09	1400	JNB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.72	57000	JNAB
3.		Unknown	7.14	2800	JB
4.	000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	11.39	290	JN
5.	000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	11.55	710	JN
6.	000065-85-0	Benzoic acid	11.74	150	JN
7.	000084-65-1	9,10-Anthracenedione	22.54	360	JN
8.		Alkane	25.45	220	J
9.	002146-97-6	1,1,3,3-Tetrachloro-1,3-disilacyclobutane	26.61	510	JN
10.	000622-59-3	P-TOLYL ISOTHIOCYANATE	28.41	300	JN
11.		Alkane	28.80	920	J
12.	000205-82-3	Benzo[j]fluoranthene	30.30	1900	JN
13.	077899-10-6	(Z)14-Tricosenyl formate	31.34	590	JN
14.		Alkane	31.75	1300	J
15.	007225-68-5	Dodecane, 1-cyclopentyl-4-(3-cyclopentylp	31.83	920	JN
16.		Unknown	33.91	6500	J
17.		Unknown	34.03	2200	J
18.		Unknown	34.61	1400	J
19.		Unknown	35.31	820	J
20.		Unknown	36.37	810	J
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-3
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Bromomethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Methylene chloride	B2	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Acetone	13.	µg/kgdrywt	1.3	5.0	EPA 8260	06/28/96	SG	
Carbon disulfide	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Total 1,2-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Chloroform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,2-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	06/28/96	SG	
1,1,1-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Carbon tetrachloride	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,2-Dichloropropane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
cis-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Trichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Dibromochloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1,2-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Benzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
trans-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Bromoform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	06/28/96	SG	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	06/28/96	SG	
Tetrachloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1,2,2-Tetrachloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Toluene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Chlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Ethylbenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Total Xylenes	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Dibromofluoromethane (Surr.)	106.	%	1.3		EPA 8260	06/28/96	SG	
Toluene-d8 (Surr.)	98.	%	1.3		EPA 8260	06/28/96	SG	
p-Bromofluorobenzene (Surr.)	82.	%	1.3		EPA 8260	06/28/96	SG	
1,2-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,3-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,4-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

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: WM1352-3
Sample wt/vol: 5 (g/ml) g
Lab File ID: I3243.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 22
Date Analyzed: 6/28/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.32	110	JNB
2.	004359-46-0	1,3-Dioxolane, 2-ethyl-4-methyl-	16.53	10	JN
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-3
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2,3
Phenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
bis(2-Chloroethyl)ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2-Chlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
1,3-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
1,4-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
1,2-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2-Methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
bis(2-Chloroisopropyl) ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
4-Methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
n-Nitroso-dipropylamine	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Hexachloroethane	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Nitrobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/drt
MGO3BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2-Nitrophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,4-Dimethylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
bis(2-Chloroethoxy)methane	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,4-Dichlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
1,2,4-Trichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Naphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
4-Chloroaniline	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Hexachlorobutadiene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
4-Chloro-3-methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2-Methylnaphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Hexachlorocyclopentadiene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,4,6-Trichlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
Dimethylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Acenaphthylene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,6-Dinitrotoluene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
3-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
Acenaphthene	J48.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
4-Nitrophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
Dibenzofuran	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2,4-Dinitrotoluene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Diethylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
4-Chlorophenyl phenyl ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Fluorene	J54.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MGO3BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
n-Nitrosodiphenylamine	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
4-Bromophenyl phenyl ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Hexachlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Pentachlorophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/15/96	LM	
Phenanthrene	620.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Anthracene	J71.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Carbazole	J61.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Di-n-butylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Fluoranthene	790.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Pyrene	650.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Butyl benzylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
3,3'-Dichlorobenzidine	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MGO3BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	J360.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Chrysene	J390.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
bis(2-Ethylhexyl)phthalate	J150.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Di-n-octylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Benzo(b)fluoranthene	560.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Benzo(k)fluoranthene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Benzo(a)pyrene	J290.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Indeno(1,2,3-cd)pyrene	J170.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Dibenzo(a,h)anthracene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
Benzo(g,h,i)perylene	J230.	µg/kgdrywt	1.3	330	EPA 8270B	07/15/96	LM	
2-Fluorophenol (% Recovery)	49.	%	1.3		EPA 8270B	07/15/96	LM	
Phenol-d5 (% Recovery)	69.	%	1.3		EPA 8270B	07/15/96	LM	
Nitrobenzene-d5 (% Recovery)	69.	%	1.3		EPA 8270B	07/15/96	LM	
2-Fluorobiphenyl (% Recovery)	79.	%	1.3		EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MGO3BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (%	59.	%	1.3		EPA 8270B	07/15/96	LM	
Terphenyl-d14 (% Recovery)	69.	%	1.3		EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MGO3BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD002

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-3

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1294.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 22 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/15/96

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	5.22	760	JB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.87	30000	JNAB
3.		Unknown	7.30	2100	JB
4.	000065-85-0	Benzoic acid	11.85	170	JN
5.	000021-21-0	DECAHYDRO-4,4,8,9,10-PENTAMETHYL	16.07	250	JN
6.		Unknown	28.65	380	J
7.		Alkane	29.00	330	J
8.		Alkane	29.41	1100	J
9.		Unknown	32.69	300	J
10.	000514-07-8	D-Friedoolean-14-en-3-one	34.19	1400	JN
11.	001617-70-5	Lup-20(29)-en-3-one	34.93	8500	JN
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-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
RE TCL Semivolatile Organics by USEPA 8270								1,2,3
Phenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
bis(2-Chloroethyl)ether	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2-Chlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
1,3-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
1,4-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
1,2-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2-Methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
bis(2-Chloroisopropyl) ether	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
4-Methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
n-Nitroso-dipropylamine	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Hexachloroethane	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Nitrobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	

* 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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2-Nitrophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,4-Dimethylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
bis(2-Chloroethoxy)methane	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,4-Dichlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
1,2,4-Trichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Naphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
4-Chloroaniline	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Hexachlorobutadiene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
4-Chloro-3-methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2-Methylnaphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Hexachlorocyclopentadiene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,4,6-Trichlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
Dimethylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Acenaphthylene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,6-Dinitrotoluene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
3-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
Acenaphthene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
4-Nitrophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
Dibenzofuran	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2,4-Dinitrotoluene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Diethylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
4-Chlorophenyl phenyl ether	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Fluorene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
n-Nitrosodiphenylamine	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
4-Bromophenyl phenyl ether	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Hexachlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Pentachlorophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270	07/18/96	JC	
Phenanthrene	620.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Anthracene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Carbazole	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Di-n-butylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Fluoranthene	870.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Pyrene	750.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Butyl benzylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
3,3'-Dichlorobenzidine	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	J390.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Chrysene	450.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
bis(2-Ethylhexyl)phthalate	J280	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Di-n-octylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Benzo(b)fluoranthene	750.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Benzo(k)fluoranthene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Benzo(a)pyrene	J320.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Indeno(1,2,3-cd)pyrene	J210	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Dibenzo(a,h)anthracene	<430.	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
Benzo(g,h,i)perylene	J270	µg/kgdrywt	1.3	330	EPA 8270	07/18/96	JC	
2-Fluorophenol (% Recovery)	68.	%	1.3		EPA 8270	07/18/96	JC	
Phenol-d5 (% Recovery)	66.	%	1.3		EPA 8270	07/18/96	JC	
Nitrobenzene-d5 (% Recovery)	72.	%	1.3		EPA 8270	07/18/96	JC	
2-Fluorobiphenyl (% Recovery)	96.	%	1.3		EPA 8270	07/18/96	JC	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-3
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD002	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (%	59.	%	1.3		EPA 8270	07/18/96	JC	
Terphenyl-d14 (% Recovery)	77.	%	1.3		EPA 8270	07/18/96	JC	

* 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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD002RE

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-3RE

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1342.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 22 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/18/96

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: 14

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	005185-97-7	2-Pentanone, 5-(acetyloxy)-	5.08	1300	JNB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.71	46000	JNAB
3.		Unknown	7.13	2400	JB
4.	000065-85-0	Benzoic Acid	11.70	180	JN
5.	000021-21-0	DECAHYDRO-4,4,8,9,10-PENTAMETHYL	15.87	210	JN
6.	000021-21-0	DECAHYDRO-4,4,8,9,10-PENTAMETHYL	16.40	210	JN
7.		Unknown	27.64	230	J
8.		Alkane	28.46	330	J
9.		Alkane	28.81	540	J
10.		Alkane	29.22	1700	J
11.	000192-97-2	Benzo[e]pyrene	30.31	410	JN
12.	036728-72-0	28-Nor-17.beta.(H)-hopane	31.76	900	JN
13.	000514-07-8	D-Friedoolean-14-en-3-one	33.90	1600	JN
14.	001617-70-5	Lup-20(29)-en-3-one	34.59	10000	JN
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-1352-7
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Acetone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	07/02/96	SG	
1,1,1-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-7
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	07/02/96	SG	
Tetrachloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Toluene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-7
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	106.	%	1.3		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	81.	%	1.3		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	88.	%	1.3		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,3-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	07/02/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

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: WM1352-7
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2112.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 20
Date Analyzed: 7/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.44	62	JNB
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-7
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2
Phenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroethyl)ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2-Chlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
1,3-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
1,4-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
1,2-Dichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2-Methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroisopropyl) ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
4-Methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
n-Nitroso-dipropylamine	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Hexachloroethane	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Nitrobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Isophorone	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-7
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,4-Dimethylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroethoxy)methane	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,4-Dichlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
1,2,4-Trichlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Naphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
4-Chloroaniline	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Hexachlorobutadiene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
4-Chloro-3-methylphenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2-Methylnaphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Hexachlorocyclopentadiene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,4,6-Trichlorophenol	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,4,5-Trichlorophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
2-Chloronaphthalene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-7
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Acenaphthylene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,6-Dinitrotoluene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
3-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
Acenaphthene	J82	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,4-Dinitrophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
4-Nitrophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
Dibenzofuran	J42	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2,4-Dinitrotoluene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Diethylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
4-Chlorophenyl phenyl ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Fluorene	J87	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
4-Nitroaniline	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
4,6-Dinitro-2-methylphenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
n-Nitrosodiphenylamine	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-7
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Hexachlorobenzene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Pentachlorophenol	<1100.	µg/kgdrywt	1.3	820	EPA 8270B	07/16/96	LM	
Phenanthrene	880.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Anthracene	J140.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Carbazole	J97	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Di-n-butylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Fluoranthene	1300.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Pyrene	900.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Butyl benzylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
3,3'-Dichlorobenzidine	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Benzo(a)anthracene	590.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Chrysene	520.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
bis(2-Ethylhexyl)phthalate	J92	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Di-n-octylphthalate	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-7
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD1	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	910.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Benzo(k)fluoranthene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Benzo(a)pyrene	510.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Indeno(1,2,3-cd)pyrene	J280	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Dibenzo(a,h)anthracene	<430.	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
Benzo(g,h,i)perylene	J300	µg/kgdrywt	1.3	330	EPA 8270B	07/16/96	LM	
2-Fluorophenol (% Recovery)	37.	%	1.3		EPA 8270B	07/16/96	LM	
Phenol-d5 (% Recovery)	66.	%	1.3		EPA 8270B	07/16/96	LM	
Nitrobenzene-d5 (% Recovery)	63.	%	1.3		EPA 8270B	07/16/96	LM	
2-Fluorobiphenyl (% Recovery)	68.	%	1.3		EPA 8270B	07/16/96	LM	
2,4,6-Tribromophenol (%	62.	%	1.3		EPA 8270B	07/16/96	LM	
Terphenyl-d14 (% Recovery)	60.	%	1.3		EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SDXD1

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-7

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1298.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 20 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/16/96

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: 17

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	005185-97-7	2-Pentanone, 5-(acetyloxy)-	5.21	440	JNB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.84	19000	JNAB
3.		Unknown	7.29	1400	JB
4.	000065-85-0	Benzoic acid	11.88	160	JN
5.		Unknown	26.27	2100	J
6.		Unknown	26.57	420	J
7.		Unknown	26.84	1900	J
8.		Unknown	28.66	240	J
9.		Alkane	28.99	280	J
10.		Alkane	29.42	560	J
11.	000192-97-2	Benzo[e]pyrene	30.50	680	JN
12.		Alkane	31.96	460	J
13.		Unknown	33.58	390	J
14.	000514-07-8	D-Freidoolean-14-en-3-one	34.20	2300	JN
15.		Unknown	34.94	6200	J
16.		Unknown	35.31	1600	J
17.		Unknown	35.64	350	J
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Bromomethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Methylene chloride	B3	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Acetone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	06/29/96	SG	
Carbon disulfide	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Total 1,2-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Chloroform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	06/29/96	SG	
1,1,1-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

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(1) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(2) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Bromodichloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloropropane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
cis-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Trichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Dibromochloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1,2-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Benzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
trans-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Bromoform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	06/29/96	SG	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	06/29/96	SG	
Tetrachloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1,2,2-Tetrachloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Toluene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

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07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Ethylbenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Styrene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Total Xylenes	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Dibromofluoromethane (Surr.)	107.	%	1.2		EPA 8260	06/29/96	SG	
Toluene-d8 (Surr.)	$69	%	1.2		EPA 8260	06/29/96	SG	
p-Bromofluorobenzene (Surr.)	103.	%	1.2		EPA 8260	06/29/96	SG	
1,2-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,3-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,4-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

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: WM1352-8
Sample wt/vol: 5 (g/ml) g
Lab File ID: I3248.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 18
Date Analyzed: 6/29/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.31	41	JNB
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-1352-8
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Reanalysis								
Chloromethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	B2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Acetone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
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Lab Number : WM-1352-8
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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	07/02/96	SG	
1,1,1-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloropropane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	07/02/96	SG	

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07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

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Report Date: 07/26/96
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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Tetrachloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Toluene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Dibromofluoromethane (Surr.)	113.	%	1.2		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	$47	%	1.2		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	104.	%	1.2		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,3-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

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: WM1352-8RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2113.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 18
Date Analyzed: 7/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.46	71	JNB
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

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EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								1,2,3
Phenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroethyl)ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Chlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,3-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,4-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,2-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroisopropyl) ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
n-Nitroso-dipropylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachloroethane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Nitrobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	

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(1) Sample Preparation on 07/03/96 by DEW 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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EA Engineering
3 Washington Center
Newburgh, NY 12550

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Nitrophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dimethylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Chloroethoxy)methane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
1,2,4-Trichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Naphthalene	J330	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Chloroaniline	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachlorobutadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Chloro-3-methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Methylnaphthalene	J150	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachlorocyclopentadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4,6-Trichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4,5-Trichlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Dimethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Acenaphthylene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,6-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
3-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Acenaphthene	770.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dinitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
4-Nitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Dibenzofuran	J320	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2,4-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Diethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Chlorophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Fluorene	620.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSQA

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Newburgh, NY 12550

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
4,6-Dinitro-2-methylphenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
n-Nitrosodiphenylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
4-Bromophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Hexachlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Pentachlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/16/96	LM	
Phenanthrene	5300.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Anthracene	1000.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Carbazole	720.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Di-n-butylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Fluoranthene	E14000	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Pyrene	E13000	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Butyl benzylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
3,3'-Dichlorobenzidine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

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ANALYTICAL SERVICES

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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	6700.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Chrysene	6500.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
bis(2-Ethylhexyl)phthalate	J350	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Di-n-octylphthalate	J310	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(b)fluoranthene	E7800	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(k)fluoranthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(a)pyrene	3900.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Indeno(1,2,3-cd)pyrene	1700.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Dibenzo(a,h)anthracene	530.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
Benzo(g,h,i)perylene	1800.	µg/kgdrywt	1.2	330	EPA 8270B	07/16/96	LM	
2-Fluorophenol (% Recovery)	31.	%	1.2		EPA 8270B	07/16/96	LM	
Phenol-d5 (% Recovery)	70.	%	1.2		EPA 8270B	07/16/96	LM	
Nitrobenzene-d5 (% Recovery)	74.	%	1.2		EPA 8270B	07/16/96	LM	
2-Fluorobiphenyl (% Recovery)	86.	%	1.2		EPA 8270B	07/16/96	LM	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

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Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (%	61.	%	1.2		EPA 8270B	07/16/96	LM	
Terphenyl-d14 (% Recovery)	78.	%	1.2		EPA 8270B	07/16/96	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

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD004

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-8

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1299.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 18 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/16/96

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: 16

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.24	380	JB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.89	19000	JNAB
3.		Unknown	7.29	1600	JB
4.	000065-85-0	Benzoic acid	11.91	140	JN
5.	000203-64-5	4H-Cyclopenta[def]phenanthrene	22.16	510	JN
6.	000605-02-7	Naphthalene, 1-phenyl-	22.71	290	JN
7.	000243-17-4	11H-Benzo[b]fluorene	25.16	560	JN
8.	000238-84-6	11H-Benzo[a]fluorene	25.33	360	JN
9.	002381-21-7	Pyrene, 1-methyl-	25.41	330	JN
10.	000082-05-3	7H-Benz[de]anthracen-7-one	26.45	220	JN
11.	000239-35-0	Benzo[b]naphtho[2,1-d]thiopene	26.72	240	JN
12.	027208-37-3	Cyclopenta[cd]pyrene	26.82	380	JN
13.		Unknown PAH	27.64	260	J
14.		Unknown	27.91	180	J
15.		Unknown phthalate ester	28.61	1200	J
16.	000192-97-2	Benzo[e]pyrene	30.54	2300	JN
17.					
18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-8
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
DL TCL Semivolatile Organics by USEPA 8270								1,2,3
Phenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
bis(2-Chloroethyl)ether	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2-Chlorophenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
1,3-Dichlorobenzene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
1,4-Dichlorobenzene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
1,2-Dichlorobenzene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2-Methylphenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
bis(2-Chloroisopropyl) ether	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
4-Methylphenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
n-Nitroso-dipropylamine	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Hexachloroethane	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Nitrobenzene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	

* 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 07/03/96 by DEW 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-8
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2-Nitrophenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,4-Dimethylphenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
bis(2-Chloroethoxy)methane	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,4-Dichlorophenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
1,2,4-Trichlorobenzene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Naphthalene	J360.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
4-Chloroaniline	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Hexachlorobutadiene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
4-Chloro-3-methylphenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2-Methylnaphthalene	J170.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Hexachlorocyclopentadiene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,4,6-Trichlorophenol	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,4,5-Trichlorophenol	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	

* 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 '<' valu.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-8
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2-Nitroaniline	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
Dimethylphthalate	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Acenaphthylene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,6-Dinitrotoluene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
3-Nitroaniline	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
Acenaphthene	J880.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,4-Dinitrophenol	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
4-Nitrophenol	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
Dibenzofuran	J370.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2,4-Dinitrotoluene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Diethylphthalate	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
4-Chlorophenyl phenyl ether	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Fluorene	J720	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	

* 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-8
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD004	Solid	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
4,6-Dinitro-2-methylphenol	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
n-Nitrosodiphenylamine	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
4-Bromophenyl phenyl ether	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Hexachlorobenzene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Pentachlorophenol	<3000.	µg/kgdrywt	3.7	820	EPA 8270	07/19/96	JC	
Phenanthrene	6600.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Anthracene	J1200	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Carbazole	J820	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Di-n-butylphthalate	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Fluoranthene	19000.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Pyrene	17000.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Butyl benzylphthalate	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
3,3'-Dichlorobenzidine	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	

* 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 '<' valu

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-8
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	7000.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Chrysene	7900.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
bis(2-Ethylhexyl)phthalate	J150.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Di-n-octylphthalate	J210	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Benzo(b)fluoranthene	10000.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Benzo(k)fluoranthene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Benzo(a)pyrene	4600.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Indeno(1,2,3-cd)pyrene	1900.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Dibenzo(a,h)anthracene	<1200.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
Benzo(g,h,i)perylene	2000.	µg/kgdrywt	3.7	330	EPA 8270	07/19/96	JC	
2-Fluorophenol (% Recovery)	59.	%	3.7		EPA 8270	07/19/96	JC	
Phenol-d5 (% Recovery)	78.	%	3.7		EPA 8270	07/19/96	JC	
Nitrobenzene-d5 (% Recovery)	67.	%	3.7		EPA 8270	07/19/96	JC	
2-Fluorobiphenyl (% Recovery)	98.	%	3.7		EPA 8270	07/19/96	JC	

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07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-8
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (%	70.	%	3.7		EPA 8270	07/19/96	JC	
Terphenyl-d14 (% Recovery)	83.	%	3.7		EPA 8270	07/19/96	JC	

* 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 07/03/96 by DEW 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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD004DL

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-8DL

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1359.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 18 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/19/96

Injection Volume 1.0 (ul)

Dilution Factor: 3.0

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: 17

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.56	30000	JNAB
2.		Unknown	7.06	1900	JB
3.	000065-85-0	Benzoic acid	11.63	55	JN
4.	000613-12-7	Anthracene, 2-methyl-	21.63	660	JN
5.	000832-64-4	Phenanthrene, 4-methyl-	21.71	810	JN
6.	000203-64-5	4H-cyclopenta[def]phenanthrene	21.89	2400	JN
7.	000612-94-2	Naphthalene, 2-phenyl-	22.44	1300	JN
8.	000243-17-4	11H-Benzo[b]fluorene	24.87	1400	JN
9.	000238-84-6	11H-Benzo[a]fluorene	25.06	1000	JN
10.	003442-78-2	Pyrene, 2-methyl-	25.12	720	JN
11.	000239-35-0	Benzo[b]naphtho[2,1-d]thiopene	26.44	630	JN
12.	027208-37-3	Cyclopenta[cd]pyrene	26.53	920	JN
13.		Unknown phthalate ester	27.75	650	JN
14.		Unknown phthalate ester	28.35	2300	J
15.		Unknown phthalate ester	29.92	3100	J
16.	000192-97-2	Benzo[e]pyrene	30.19	920	JN
17.		Unknown PAH	32.52	970	JN
18.					
19.					
20.					
21.					

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-2
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Bromomethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Methylene chloride	B2	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Acetone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	06/28/96	SG	
Carbon disulfide	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Total 1,2-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Chloroform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,2-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	06/28/96	SG	
1,1,1-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Carbon tetrachloride	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-2
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,2-Dichloropropane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
cis-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Trichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Dibromochloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1,2-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Benzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
trans-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Bromoform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	06/28/96	SG	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	06/28/96	SG	
Tetrachloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1,2,2-Tetrachloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Toluene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Chlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Ethylbenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-2
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD003	Solid	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Total Xylenes	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Dibromofluoromethane (Surr.)	105.	%	1.3		EPA 8260	06/28/96	SG	
Toluene-d8 (Surr.)	89.	%	1.3		EPA 8260	06/28/96	SG	
p-Bromofluorobenzene (Surr.)	92.	%	1.3		EPA 8260	06/28/96	SG	
1,2-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,3-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,4-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

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

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

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: WM1352-2

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

Lab File ID: I3242.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. 21

Date Analyzed: 6/28/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: NA (ul)

Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.31	110	JNB
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-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Bromomethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	06/29/96	SG	
Methylene chloride	B3	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Acetone	J6	µg/kgdrywt	1.2	5.0	EPA 8260	06/29/96	SG	
Carbon disulfide	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Total 1,2-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Chloroform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	06/29/96	SG	

* 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 '<' valu

(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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-4
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
1,1,1-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Carbon tetrachloride	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Bromodichloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,2-Dichloropropane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
cis-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Trichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Dibromochloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,1,2-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Benzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
trans-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Bromoform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	06/29/96	SG	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	06/29/96	SG	
Tetrachloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

* 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

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3.

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,2,2-Tetrachloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Toluene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Chlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Ethylbenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Styrene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Total Xylenes	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
Dibromofluoromethane (Surr.)	106.	%	1.2		EPA 8260	06/29/96	SG	
Toluene-d8 (Surr.)	$72	%	1.2		EPA 8260	06/29/96	SG	
p-Bromofluorobenzene (Surr.)	89.	%	1.2		EPA 8260	06/29/96	SG	
1,2-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,3-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	
1,4-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	06/29/96	SG	

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

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

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:	WM1352-4
Sample wt/vol:	5 (g/ml) g	Lab File ID:	I3244.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	16	Date Analyzed:	6/29/96
GC Column:	RTX-502.2 ID: 0.53	Dilution Factor:	1.0
Soil Extract Volume:	NA (ul)	Soil Aliquot Volume:	NA (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.	000124-38-9	Carbon Dioxide	2.32	52	JNB
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-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Reanalysis								
Chloromethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.4	µg/kgdrywt	1.2	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	B2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Acetone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
2-Butanone	<6.	µg/kgdrywt	1.2	5.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,1,1-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloropropane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
4-Methyl-2-pentanone	<3.6	µg/kgdrywt	1.2	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<4.8	µg/kgdrywt	1.2	4.0	EPA 8260	07/02/96	SG	
Tetrachloroethene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Toluene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
Dibromofluoromethane (Surr.)	110.	%	1.2		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	$49	%	1.2		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	93.	%	1.2		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,3-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	<1.2	µg/kgdrywt	1.2	1.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MG02VLS3

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: WM1352-4RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2109.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 16
Date Analyzed: 7/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.47	60	JNB
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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15.					
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19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

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	07/15/96	LM	
bis(2-Chloroethyl)ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2-Chlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
1,3-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
1,4-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
1,2-Dichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
bis(2-Chloroisopropyl) ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
4-Methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
n-Nitroso-dipropylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Hexachloroethane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Nitrobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Isophorone	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	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 07/03/96 by DEW using EPA 3550A
(2) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Nitrophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,4-Dimethylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
bis(2-Chloroethoxy)methane	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,4-Dichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
1,2,4-Trichlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Naphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
4-Chloroaniline	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Hexachlorobutadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
4-Chloro-3-methylphenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2-Methylnaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Hexachlorocyclopentadiene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,4,6-Trichlorophenol	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,4,5-Trichlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
2-Chloronaphthalene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dimethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Acenaphthylene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,6-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
3-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
Acenaphthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,4-Dinitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
4-Nitrophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
Dibenzofuran	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2,4-Dinitrotoluene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Diethylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
4-Chlorophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Fluorene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
4-Nitroaniline	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
4,6-Dinitro-2-methylphenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
n-Nitrosodiphenylamine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-4
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD005	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Bromophenyl phenyl ether	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Hexachlorobenzene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Pentachlorophenol	<980.	µg/kgdrywt	1.2	820	EPA 8270B	07/15/96	LM	
Phenanthrene	J110.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Anthracene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Carbazole	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Di-n-butylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Fluoranthene	J280	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Pyrene	J260	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Butyl benzylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
3,3'-Dichlorobenzidine	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Benzo(a)anthracene	J120.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Chrysene	J86	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
bis(2-Ethylhexyl)phthalate	J98	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Di-n-octylphthalate	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1352-4
Report Date: 07/26/96
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	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(b)fluoranthene	J210	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Benzo(k)fluoranthene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Benzo(a)pyrene	J100	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Indeno(1,2,3-cd)pyrene	J60	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Dibenzo(a,h)anthracene	<400.	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
Benzo(g,h,i)perylene	J83	µg/kgdrywt	1.2	330	EPA 8270B	07/15/96	LM	
2-Fluorophenol (% Recovery)	51.	%	1.2		EPA 8270B	07/15/96	LM	
Phenol-d5 (% Recovery)	72.	%	1.2		EPA 8270B	07/15/96	LM	
Nitrobenzene-d5 (% Recovery)	71.	%	1.2		EPA 8270B	07/15/96	LM	
2-Fluorobiphenyl (% Recovery)	74.	%	1.2		EPA 8270B	07/15/96	LM	
2,4,6-Tribromophenol (%	61.	%	1.2		EPA 8270B	07/15/96	LM	
Terphenyl-d14 (% Recovery)	64.	%	1.2		EPA 8270B	07/15/96	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.

07/26/96

LJO/jcbajc(dw)/drt
MG03BNS1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SD005

Lab Name: Katahdin

SDG No.: S9SD001

Matrix (soil/water): Soil

Lab Sample ID: WM1352-4

Sample wt/vol: 30 (g/ml) g

Lab File ID: Z1295.D

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. 16 N (Y/N) Decanted

Date Extracted: 7/3/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/15/96

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: 7

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.24	730	JB
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.89	29000	JNAB
3.		Unknown	7.30	1900	JB
4.	000065-85-0	Benzoic acid	11.87	120	JN
5.		Alkane	28.67	250	J
6.		Alkane	29.00	220	J
7.		Alkane	29.43	560	J
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-1352-1
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Bromomethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Vinyl chloride	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Chloroethane	<2.6	µg/kgdrywt	1.3	2.0	EPA 8260	06/28/96	SG	
Methylene chloride	B2	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Acetone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	06/28/96	SG	
Carbon disulfide	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Total 1,2-Dichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Chloroform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,2-Dichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
2-Butanone	<6.5	µg/kgdrywt	1.3	5.0	EPA 8260	06/28/96	SG	
1,1,1-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Carbon tetrachloride	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-1
Report Date: 07/26/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,2-Dichloropropane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
cis-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Trichloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Dibromochloromethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1,2-Trichloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Benzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
trans-1,3-Dichloropropene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Bromoform	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
4-Methyl-2-pentanone	<3.9	µg/kgdrywt	1.3	3.0	EPA 8260	06/28/96	SG	
2-Hexanone	<5.2	µg/kgdrywt	1.3	4.0	EPA 8260	06/28/96	SG	
Tetrachloroethene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,1,2,2-Tetrachloroethane	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Toluene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Chlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Ethylbenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1352-1
Report Date: 07/26/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SD001	Solid	K.RUSCZUK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Total Xylenes	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
Dibromofluoromethane (Surr.)	110.	%	1.3		EPA 8260	06/28/96	SG	
Toluene-d8 (Surr.)	85.	%	1.3		EPA 8260	06/28/96	SG	
p-Bromofluorobenzene (Surr.)	79.	%	1.3		EPA 8260	06/28/96	SG	
1,2-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,3-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	
1,4-Dichlorobenzene	<1.3	µg/kgdrywt	1.3	1.0	EPA 8260	06/28/96	SG	

* 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.

07/26/96

LJO/jcbajc(dw)/daw/kwh
MF28VLS3

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: WM1352-1
Sample wt/vol: 5 (g/ml) g
Lab File ID: I3241.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 21
Date Analyzed: 6/28/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.23	90	JNB
2.					
3.					
4.					
5.					
6.					
7.					
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9.					
10.					
11.					
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18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-11
Report Date: 07/17/96
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
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	J4	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-11
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-11
Report Date: 07/17/96
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
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT006

Lab Name: Katahdin

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM1351-11

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

Lab File ID: Q2078.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. N/A

Date Analyzed: 6/29/96

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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
2.				
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-1351-3
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	21.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-3
Report Date: 07/17/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-3
Report Date: 07/17/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QS004

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-3
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2070.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
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20.				
21.				
22.				

SW846

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: WM1351-3
Level (low/med): LOW__ Date Received: 06/27/96
% 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_	10.2	U		P_
7440-36-0	Antimony_	3.6	U		P_
7440-38-2	Arsenic__	3.0	U		P_
7440-39-3	Barium___	0.53	B		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__	47.9	B		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	0.70	U		P_
7440-50-8	Copper___	0.70	U		P_
7439-89-6	Iron____	25.0	U		P_
7439-92-1	Lead____	1.0	U		P_
7439-95-4	Magnesium	7.0	U		P_
7439-96-5	Manganese	5.0	U	N	P_
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.0	U		P_
7440-09-7	Potassium	635	U		P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	1.0	U		P_
7440-23-5	Sodium___	52.2	B		P_
7440-28-0	Thallium_	3.9	U		P_
7440-62-2	Vanadium_	0.60	U		P_
7440-66-6	Zinc____	4.0	B		P_
	Cyanide__	5.0			AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-3
Report Date: 07/23/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								2,3
Phenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Chloroethyl)ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Chlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,3-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,4-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,2-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Chloroisopropyl) ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
n-Nitroso-dipropylamine	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachloroethane	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Nitrobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	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 07/01/96 by ACB
(2) Sample Preparation on 07/01/96 by ACB using EPA 3520
(3) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Nitrophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dimethylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Chloroethoxy)methane	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,2,4-Trichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Naphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Chloroaniline	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachlorobutadiene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Chloro-3-methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Methylnaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachlorocyclopentadiene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4,6-Trichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4,5-Trichlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	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

07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Dimethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Acenaphthylene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,6-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
3-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Acenaphthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dinitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
4-Nitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Dibenzofuran	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Diethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Chlorophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Fluorene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	

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07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-3
Report Date: 07/23/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
4,6-Dinitro-2-methylphenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
n-Nitrosodiphenylamine	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Bromophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Pentachlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Phenanthrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Carbazole	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Di-n-butylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Butyl benzylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
3,3'-Dichlorobenzidine	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	

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07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Chrysene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Ethylhexyl)phthalate	B74	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Di-n-octylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(b)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(k)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(a)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Indeno(1,2,3-cd)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Dibenzo(a,h)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(g,h,i)perylene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Fluorophenol (% Recovery)	51.	%	1.0		EPA 8270B	07/15/96	LM	
Phenol-d5 (% Recovery)	66.	%	1.0		EPA 8270B	07/15/96	LM	
Nitrobenzene-d5 (% Recovery)	62.	%	1.0		EPA 8270B	07/15/96	LM	
2-Fluorobiphenyl (% Recovery)	64.	%	1.0		EPA 8270B	07/15/96	LM	

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07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (% Recovery)	60.	%	1.0		EPA 8270B	07/15/96	LM	
Terphenyl-d14 (% Recovery)	77.	%	1.0		EPA 8270B	07/15/96	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

07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SQ004

Lab Name: Katahdin

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM1351-3

Sample wt/vol: 980 (g/ml) ml

Lab File ID: Z1293

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. N/A N (Y/N) Decanted

Date Extracted: 7/1/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/15/96

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.35	6	J
2.	Unknown	21.03	5	J
3.				
4.				
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21.				
22.				

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Acetone	22.	µg/L	1.0	5.0	EPA 8260	06/21/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/21/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	

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07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

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-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/21/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/21/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	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.

07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

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-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTE
Dibromofluoromethane (Surr.)	99.	%	1.0		EPA 8260	06/21/96	DW	
Toluene-d8 (Surr.)	97.	%	1.0		EPA 8260	06/21/96	DW	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/21/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	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 '<' value

07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name	Katahdin	SDG No.:	S1QD001
Matrix (soil/water)	Water	Lab Sample ID:	WM1269-1
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q1899.D
Level: (low/med)	Low	Date Received:	6/20/96
% Moisture: not dec.	N/A	Date Analyzed:	6/21/96
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. 000075-05-8	Acetonitrile	6.26	6	JN
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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14.				
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17.				
18.				
19.				
20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

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	07/12/96	JC	
bis(2-Chloroethyl)ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Chlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,3-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,4-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,2-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Chloroisopropyl) ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
n-Nitroso-dipropylamine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachloroethane	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Nitrobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Isophorone	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Nitrophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

* 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 06/24/96 by DEW using EPA 3520

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4-Dimethylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Chloroethoxy)methane	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,2,4-Trichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Naphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chloroaniline	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorobutadiene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chloro-3-methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Methylnaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorocyclopentadiene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4,6-Trichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4,5-Trichlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
2-Chloronaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Dimethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Acenaphthylene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

* 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.

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.ROSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,6-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
3-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Acenaphthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dinitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
4-Nitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Dibenzofuran	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Diethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chlorophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Fluorene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
4,6-Dinitro-2-methylphenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
n-Nitrosodiphenylamine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Bromophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Pentachlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	

* 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.

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Phenanthrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Carbazole	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Di-n-butylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Butyl benzylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
3,3'-Dichlorobenzidine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(a)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Chrysene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Ethylhexyl)phthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Di-n-octylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(b)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(k)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(a)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Indeno(1,2,3-cd)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

* 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.

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibenzo(a,h)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(g,h,i)perylene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Fluorophenol (% Recovery)	70.	%	1.0		EPA 8270B	07/12/96	JC	
Phenol-d5 (% Recovery)	78.	%	1.0		EPA 8270B	07/12/96	JC	
Nitrobenzene-d5 (% Recovery)	80.	%	1.0		EPA 8270B	07/12/96	JC	
2-Fluorobiphenyl (% Recovery)	86.	%	1.0		EPA 8270B	07/12/96	JC	
2,4,6-Tribromophenol (% Recovery)	80.	%	1.0		EPA 8270B	07/12/96	JC	
Terphenyl-d14 (% Recovery)	81.	%	1.0		EPA 8270B	07/12/96	JC	

* 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.

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name: Katahdin

SDG No.: S1QD001

Matrix (soil/water): Water

Lab Sample ID: WM1269-1

Sample wt/vol: 1000 (g/ml) ml

Lab File ID: Z1244

Level: (low/med) low

Date Received: 6/20/96

% Moisture: not dec. N/A N (Y/N) Decanted

Date Extracted: 6/24/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/12/96

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: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	68122	Formamide, N,N-dimethyl-	4.41	11	JN
2.	111900	Ethanol, 2-(ethoxyethoxy)-	9.04	5	JN
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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22.					

SW846

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1QD001

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S1QD00
Matrix (soil/water): WATER Lab Sample ID: WM1269-1
Level (low/med): LOW__ Date Received: 06/20/96
% 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_	24.2	B		P_
7440-36-0	Antimony_	3.6	U		P_
7440-38-2	Arsenic__	3.0	U		P_
7440-39-3	Barium___	0.61	B	E	P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__	45.2	B		P_
7440-47-3	Chromium_	1.1	B		P_
7440-48-4	Cobalt___	0.70	U		P_
7440-50-8	Copper___	0.70	U		P_
7439-89-6	Iron____	25.0	U		P_
7439-92-1	Lead____	1.0	U		P_
7439-95-4	Magnesium	7.0	U	E	P_
7439-96-5	Manganese	5.0	U		P_
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.0	U		P_
7440-09-7	Potassium	635	U		P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	1.0	U		P_
7440-23-5	Sodium___	64.5	B		P_
7440-28-0	Thallium_	3.9	U		P_
7440-62-2	Vanadium_	0.60	U		P_
7440-66-6	Zinc____	4.4	B		P_
_____	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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)

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. #: 29600.47/7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

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

LAB USE ONLY | WORK ORDER #: WM1351

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 3.0 ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date/Time coll'd	Matrix	Filt. Y/N	No. of Cntrs.	VOAs 1:1 HCl	Tal Elements HNO3	Cyanide NaOH	SVOC none						
1	BN-06-S9-QS003	6/26/96/0800	water	N	4	X	X	X							
3	BN-06-S9-QS004	6/26/96/0810	water	N	5	X	X	X	X						
4	BN-06-S9-SW001	6/26/96/0830	water	N	2	X									
5	BN-06-S9-SW002	6/26/96/0915	water	N	2	X									
6	BN-06-S9-SW003	6/26/96/0858	water	N	2	X									
7	BN-06-S9-SW004 MS	6/26/96/1030	water	N	2	X									
8	BN-06-S9-SW005	6/26/96/1015	water	N	2	X									
9	BN-06-S9-SW006	6/26/96/0925	water	N	2	X									
10	BN-06-S9-SW007	6/26/96/0955	water	N	2	X									
3	BN-06-S9-SWXD1	6/26/96/—	water	N	4	X	X	X							
11	BN-06-S9-QT006	6/26/96/0800	water	N	2	X									
12	BN-06-S9-LT001 MS/MSD	6/26/96/1045	water	N	6	X									
12	BN-06-S9-LT001 MS	6/26/96/1045	water	N	4		X	X							
		/													
		/													
		/													

COMMENTS VOAs by 826C plus library search. Tal Elements and Cyanide refer to 7-1 in QAPP. Temp blank ✓. SDG starts with sample BN-06-S9-QS003 (SDG #) and ends with BN-06-S9-LT001.

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Anderson	6/27 0645	Deborah J. Nadeau	Deborah J. Nadeau	6/27 0745	Andrea Cay
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 Center | City: Newburgh | State: NY | Zip Code: 12550

P.O. #: 29600497/7206 | Proj. Name/No.: NAS Brunswick LTMP

Bill (if different than above) | Address

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

LAB USE ONLY | WORK ORDER #: WM1350

KATAHDIN PROJECT MANAGER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C 3.0 ☐ 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 none	Tot Elements + Cyanide None								
	BN-06-59-LTSD1 ms/msD	6/26/96/1055	Sed	N	2	X									
	BN-06-59-LTSD1 ms	6/26/96/1055	Sed	N	2		X								
	BN-06-59-SDXD2	6/26/96/ —	Sed	N	2	X	X								
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: VOAS by 8260, plus library search. Tot elements and cyanide, refer to 7-1 in QAPP. Trip included in cooler, BN-06-59-QTOOL. SD6 starts with BN-06-59-LTSD1 SD6#) and ends with BN-06-59-SDXD2

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Brian Anderson	6/27 0645	Deborah J. Nadeau	Deborah J. Nadeau	6/27 0745	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-12
Report Date: 07/17/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-12
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LT001	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MG08VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-12
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LT001	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	104.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	102.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MG08VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9LT001

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-12
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2079.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
2.				
4.				
5.				
6.				
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SW846

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: WM1351-12

Level (low/med): LOW Date Received: 06/27/96

% 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	14100			P
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	62.6			P
7440-39-3	Barium	392			P
7440-41-7	Beryllium	0.75	B		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	44500			P
7440-47-3	Chromium	45.1			P
7440-48-4	Cobalt	9.4	B		P
7440-50-8	Copper	58.8			P
7439-89-6	Iron	403000			P
7439-92-1	Lead	188			P
7439-95-4	Magnesium	7790			P
7439-96-5	Manganese	1610		N	P
7439-97-6	Mercury	0.19	B		CV
7440-02-0	Nickel	31.1	B		P
7440-09-7	Potassium	6200			P
7782-49-2	Selenium	6.1	B		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	48400			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	82.0			P
7440-66-6	Zinc	451			P
	Cyanide	4.5	B		AS

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-2
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SWXD1	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	J4	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-2
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SWXD1	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-2
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SWXD1	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromofluoromethane (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	99.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	103.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SWXD1

Lab Name	Katahdin	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM1351-2
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2069.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	6/29/96
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: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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SW846

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: WM1351-2
Level (low/med): LOW__ Date Received: 06/27/96
% 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_	3950			P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	19.7			P
7440-39-3	Barium___	137			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.2	B		P
7440-70-2	Calcium__	33400			P
7440-47-3	Chromium_	13.9	B		P
7440-48-4	Cobalt___	3.3	B		P
7440-50-8	Copper___	26.6			P
7439-89-6	Iron_____	123000			P
7439-92-1	Lead_____	55.5			P
7439-95-4	Magnesium	4130			P
7439-96-5	Manganese	715		N	P
7439-97-6	Mercury__	0.11	B		CV
7440-02-0	Nickel___	9.0	B		P
7440-09-7	Potassium	4080			P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	47500			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	23.2	B		P
7440-66-6	Zinc_____	160			P
	Cyanide__	6.0			AS

olor Before: BROWN____ Clarity Before: CLOUDY Texture: _____
olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-1
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2
Chloromethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Bromomethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Methylene chloride	2.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Acetone	16.	µg/kgdrywt	1.4	5.0	EPA 8260	07/01/96	DW	
Carbon disulfide	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Total 1,2-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Chloroform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,2-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
2-Butanone	<7.	µg/kgdrywt	1.4	5.0	EPA 8260	07/01/96	DW	
1,1,1-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	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.

07/25/96

LJO/jcbajc(dw)/daw/drt
MG01VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-1
Report Date: 07/25/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Bromodichloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,2-Dichloropropane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
cis-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Trichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Dibromochloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1,2-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Benzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
trans-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Bromoform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	07/01/96	DW	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	07/01/96	DW	
Tetrachloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1,2,2-Tetrachloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Toluene	J0.8	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	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.

07/25/96

LJO/jcbajc(dw)/daw/drt
MG01VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-1
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Ethylbenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Styrene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Total Xylenes	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Dibromofluoromethane (Surr.)	100.	%	1.4		EPA 8260	07/01/96	DW	
Toluene-d8 (Surr.)	96.	%	1.4		EPA 8260	07/01/96	DW	
p-Bromofluorobenzene (Surr.)	85.	%	1.4		EPA 8260	07/01/96	DW	
1,2-Dichlorobenzene	3.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,3-Dichlorobenzene	3.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,4-Dichlorobenzene	3.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	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.

07/25/96

LJO/jcbajc(dw)/daw/drt
MG01VLS2

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: WM1350-1
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2095.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 27
Date Analyzed: 7/1/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.44	140	JNB
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-1350-1
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3
Reanalysis								
Chloromethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	B5	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Acetone	B49	µg/kgdrywt	1.4	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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.
(3) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

340 County Road No. 5
P.O. Box 220, 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-1350-1
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Butanone	9.	µg/kgdrywt	1.4	5.0	EPA 8260	07/02/96	SG	
1,1,1-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloropropane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	07/02/96	SG	

* 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.

07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-1
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9LTSD1	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Tetrachloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Toluene	J1	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	JB1	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	B2	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Dibromofluoromethane (Surr.)	109.	%	1.4		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	88.	%	1.4		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	76.	%	1.4		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,3-Dichlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	B2	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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.

07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

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: WM1350-1RE
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2125.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 27
Date Analyzed: 7/2/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (ul)

Number of TIC's Found: 5
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000124-38-9	Carbon Dioxide	2.44	47	JNB
2.	000080-56-8	.alpha.-Pinene	21.97	62	JN
3.	013466-78-9	3-Carene	24.72	10	JN
4.	005502-88-5	Cyclohexane, 1-methyl-4-(1-methylet	25.27	20	JN
5.		C10H14 Isomer	25.51	14	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

SW846

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: WM1350-1
Level (low/med): LOW_ Date Received: 06/27/96
% Solids: _72.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6090		*	P
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	3.0		*	P
7440-39-3	Barium	19.4		*	P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	0.25	B		P
7440-70-2	Calcium	1130		*	P
7440-47-3	Chromium	11.5		*	P
7440-48-4	Cobalt	4.1			P
7440-50-8	Copper	9.6		*	P
7439-89-6	Iron	9500		*	P
7439-92-1	Lead	55.8		*	P
7439-95-4	Magnesium	2660		*	P
7439-96-5	Manganese	92.4		N*	P
7439-97-6	Mercury	0.04	B		CV
7440-02-0	Nickel	11.6			P
7440-09-7	Potassium	1060		N*	P
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	90.1			P
7440-28-0	Thallium	0.42	U		P
7440-62-2	Vanadium	16.9		*	P
7440-66-6	Zinc	41.5		*	P
	Cyanide	0.08	U	N	AS

Color Before: _____ Clarity Before: _____ Texture: COARSE
Color After: _____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN SW846

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-2
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	K.RUSCZYK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOT
Volatile Organics by EPA 8260								1,2
Chloromethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Bromomethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/01/96	DW	
Methylene chloride	28.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Acetone	260.	µg/kgdrywt	1.4	5.0	EPA 8260	07/01/96	DW	
Carbon disulfide	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Total 1,2-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Chloroform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,2-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
2-Butanone	11.	µg/kgdrywt	1.4	5.0	EPA 8260	07/01/96	DW	
1,1,1-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.
(2) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.

07/25/96

LJO/jcbajc(dw)/daw/drt
MG01VLS2

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1350-2
Report Date: 07/25/96
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	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Carbon tetrachloride	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Bromodichloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,2-Dichloropropane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
cis-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Trichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Dibromochloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1,2-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Benzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
trans-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Bromoform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	07/01/96	DW	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	07/01/96	DW	
Tetrachloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,1,2,2-Tetrachloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Toluene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	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.

07/25/96

LJO/jcbajc(dw)/daw/drt
MG01VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-2
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	K.RUSCZYK	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Chlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Ethylbenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Styrene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Total Xylenes	2.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.4		EPA 8260	07/01/96	DW	
Toluene-d8 (Surr.)	89.	%	1.4		EPA 8260	07/01/96	DW	
p-Bromofluorobenzene (Surr.)	$68	%	1.4		EPA 8260	07/01/96	DW	
1,2-Dichlorobenzene	4.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,3-Dichlorobenzene	4.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	DW	
1,4-Dichlorobenzene	5.	µg/kgdrywt	1.4	1.0	EPA 8260	07/01/96	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 '<' value

07/25/96

LJO/jcbajc(dw)/daw/drt
MG01VLS2

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: WM1350-2
Sample wt/vol: 5 (g/ml) g
Lab File ID: Q2098.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. 29
Date Analyzed: 7/1/96
GC Column: RTX-502.2 ID: 0.53
Dilution Factor: 1.0
Soil Extract Volume: NA (ul)
Soil Aliquot Volume: NA (ul)

Number of TIC's Found: 2
CONCENTRATION UNITS (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	000124-38-9	Carbon Dioxide	2.46	110	JNB
2.	000080-56-8	.alpha.-Pinene	21.96	15	JN
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-2
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1,2,3,4
Reanalysis								
Chloromethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Bromomethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Vinyl chloride	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Chloroethane	<2.8	µg/kgdrywt	1.4	2.0	EPA 8260	07/02/96	SG	
Methylene chloride	B5	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Acetone	B74	µg/kgdrywt	1.4	5.0	EPA 8260	07/02/96	SG	
Carbon disulfide	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Total 1,2-Dichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Chloroform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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) "$" flag denotes surrogate compound recovery is out of criteria. Re-extraction or re-analysis confirmed matrix interference.
(3) Internal standard area(s) are out of criteria. Reanalysis confirmed matrix interference.
(4) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-2
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
2-Butanone	8.	µg/kgdrywt	1.4	5.0	EPA 8260	07/02/96	SG	
1,1,1-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Carbon tetrachloride	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Bromodichloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,2-Dichloropropane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
cis-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Trichloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Dibromochloromethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1,2-Trichloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Benzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
trans-1,3-Dichloropropene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Bromoform	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

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07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-2
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Methyl-2-pentanone	<4.2	µg/kgdrywt	1.4	3.0	EPA 8260	07/02/96	SG	
2-Hexanone	<5.6	µg/kgdrywt	1.4	4.0	EPA 8260	07/02/96	SG	
Tetrachloroethene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,1,2,2-Tetrachloroethane	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Toluene	J1	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Chlorobenzene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Ethylbenzene	JB0.8	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Styrene	<1.4	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Total Xylenes	B3	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
Dibromofluoromethane (Surr.)	109.	%	1.4		EPA 8260	07/02/96	SG	
Toluene-d8 (Surr.)	84.	%	1.4		EPA 8260	07/02/96	SG	
p-Bromofluorobenzene (Surr.)	$72	%	1.4		EPA 8260	07/02/96	SG	
1,2-Dichlorobenzene	B1	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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.

07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1350-2
Report Date: 07/25/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9SDXD2	Solid	K.RUSCZYK	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,3-Dichlorobenzene	B1	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	
1,4-Dichlorobenzene	B2	µg/kgdrywt	1.4	1.0	EPA 8260	07/02/96	SG	

* 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.

07/25/96

LJO/jcbert/tjg(dw)
MG02VLS2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SDXD2RE

Lab Name: Katahdin ASI

SDG No.: S9LTSD1

Matrix (soil/water): Soil

Lab Sample ID: WM1350-2RE

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

Lab File ID: Q2126.D

Level: (low/med) Low

Date Received: 6/27/96

% Moisture: not dec. 29

Date Analyzed: 7/2/96

GC Column: RTX-502.2 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume: NA (ul)

Soil Aliquot Volume: NA (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.	000124-38-9	Carbon Dioxide	2.46	88	JNB
2.	000080-56-8	.alpha.-Pinene	21.96	12	JN
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					

SW846

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: WM1350-2
Level (low/med): LOW__ Date Received: 06/27/96
% Solids: _70.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5110		*	P
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	2.2		*	P
7440-39-3	Barium	11.8		*	P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	980		*	P
7440-47-3	Chromium	9.6		*	P
7440-48-4	Cobalt	4.0			P
7440-50-8	Copper	11.3		*	P
7439-89-6	Iron	8520		*	P
7439-92-1	Lead	65.1		*	P
7439-95-4	Magnesium	2320		*	P
7439-96-5	Manganese	85.0		N*	P
7439-97-6	Mercury	0.04	B		CV
7440-02-0	Nickel	12.5			P
7440-09-7	Potassium	526		N*	P
7782-49-2	Selenium	0.41	U		P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	94.6			P
7440-28-0	Thallium	0.43	U		P
7440-62-2	Vanadium	13.6		*	P
7440-66-6	Zinc	43.4		*	P
	Cyanide	0.07	U	N	AS

Color Before: _____ Clarity Before: _____ Texture: COARSE
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-11
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/9

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	J4	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-11
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-11
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QT006	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromofluoromethane (Surr.)	107.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	100.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QT006

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-11
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2078.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
2.				
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-1351-1
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								1
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/28/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Acetone	16.	µg/L	1.0	5.0	EPA 8260	06/28/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
2-Butanone	J3	µg/L	1.0	5.0	EPA 8260	06/28/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	

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(1) "J" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-1
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/28/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/28/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-1
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS003	Aqueous	B.ANDERSEN	06/26/96	06/27/

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
Dibromofluoromethane (Surr.)	106.	%	1.0		EPA 8260	06/28/96	DW	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	06/28/96	DW	
p-Bromofluorobenzene (Surr.)	105.	%	1.0		EPA 8260	06/28/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/28/96	DW	

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

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QS003

Lab Name	Katahdin	SDG No.:	S9QS003
Matrix (soil/water)	Water	Lab Sample ID:	WM1351-1
Sample wt/vol:	5 (g/ml) ml	Lab File ID:	Q2068.D
Level: (low/med)	Low	Date Received:	6/27/96
% Moisture: not dec.	N/A	Date Analyzed:	6/28/96
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: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.24	5	J
2.				
3.				
4.				
5.				
6.				
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SW846

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: WM1351-1

Level (low/med): LOW__ Date Received: 06/27/96

% 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_	10.2	U		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	0.30	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	50.6	B		P
7440-47-3	Chromium_	0.70	U		P
7440-48-4	Cobalt___	0.70	U		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron____	25.0	U		P
7439-92-1	Lead____	1.0	U		P
7439-95-4	Magnesium	11.8	B		P
7439-96-5	Manganese	5.0	U	N	P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.2	B		P
7440-09-7	Potassium	635	U		P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	132			P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.72	B		P
7440-66-6	Zinc____	6.0	B		P
	Cyanide__	1.3	U		AS

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/17/96
PO No. : 802LSQA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/29/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Acetone	21.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/29/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/29/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/29/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	

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07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/17/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	105.	%	1.0		EPA 8260	06/29/96	DW	
Toluene-d8 (Surr.)	101.	%	1.0		EPA 8260	06/29/96	DW	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/29/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/29/96	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.

07/17/96

LJO/jcbajc(dw)/kwh
MF28VLW1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9QS004

Lab Name: Katahdin
SDG No.: S9QS003
Matrix (soil/water): Water
Lab Sample ID: WM1351-3
Sample wt/vol: 5 (g/ml) ml
Lab File ID: Q2070.D
Level: (low/med) Low
Date Received: 6/27/96
% Moisture: not dec. N/A
Date Analyzed: 6/29/96
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: 0
CONCENTRATION UNITS (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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SW846

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: WM1351-3
Level (low/med): LOW__ Date Received: 06/27/96
% 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	10.2	U		P
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	0.53	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	47.9	B		P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	0.70	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	7.0	U		P
7439-96-5	Manganese	5.0	U	N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	635	U		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	52.2	B		P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.60	U		P
7440-66-6	Zinc	4.0	B		P
	Cyanide	5.0			AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
TCL Semivolatile Organics by USEPA 8270B								2,3
Phenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Chloroethyl)ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Chlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,3-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,4-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,2-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Chloroisopropyl) ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
n-Nitroso-dipropylamine	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachloroethane	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Nitrobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	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 07/01/96 by ACB
(2) Sample Preparation on 07/01/96 by ACB using EPA 3520
(3) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Isophorone	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Nitrophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dimethylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Chloroethoxy)methane	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
1,2,4-Trichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Naphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Chloroaniline	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachlorobutadiene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Chloro-3-methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Methylnaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachlorocyclopentadiene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4,6-Trichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4,5-Trichlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	

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07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2-Chloronaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Dimethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Acenaphthylene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,6-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
3-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Acenaphthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dinitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
4-Nitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Dibenzofuran	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2,4-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Diethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Chlorophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Fluorene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	

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07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1351-3
Report Date: 07/23/96
PO No. : 802LSOA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S9QS004	Aqueous	B.ANDERSEN	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
4-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
4,6-Dinitro-2-methylphenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
n-Nitrosodiphenylamine	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
4-Bromophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Hexachlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Pentachlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/15/96	LM	
Phenanthrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Carbazole	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Di-n-butylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Butyl benzylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
3,3'-Dichlorobenzidine	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	

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07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-3
Report Date: 07/23/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Benzo(a)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Chrysene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
bis(2-Ethylhexyl)phthalate	B74	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Di-n-octylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(b)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(k)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(a)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Indeno(1,2,3-cd)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Dibenzo(a,h)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
Benzo(g,h,i)perylene	<10.	µg/L	1.0	10	EPA 8270B	07/15/96	LM	
2-Fluorophenol (% Recovery)	51.	%	1.0		EPA 8270B	07/15/96	LM	
Phenol-d5 (% Recovery)	66.	%	1.0		EPA 8270B	07/15/96	LM	
Nitrobenzene-d5 (% Recovery)	62.	%	1.0		EPA 8270B	07/15/96	LM	
2-Fluorobiphenyl (% Recovery)	64.	%	1.0		EPA 8270B	07/15/96	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.

07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

Katahdin
ANALYTICAL SERVICES

Lab Number : WM-1351-3
Report Date: 07/23/96
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	06/26/96	06/27/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4,6-Tribromophenol (% Recovery)	60.	%	1.0		EPA 8270B	07/15/96	LM	
Terphenyl-d14 (% Recovery)	77.	%	1.0		EPA 8270B	07/15/96	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.

07/23/96

LJO/jcbajc(dw)/kwh
MG01W1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S9SQ004

Lab Name: Katahdin

SDG No.: S9QS003

Matrix (soil/water): Water

Lab Sample ID: WM1351-3

Sample wt/vol: 980 (g/ml) ml

Lab File ID: Z1293

Level: (low/med) low

Date Received: 6/27/96

% Moisture: not dec. N/A N (Y/N) Decanted

Date Extracted: 7/1/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/15/96

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: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.35	6	J
2.	Unknown	21.03	5	J
3.				
4.				
5.				
6.				
7.				
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18.				
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20.				
21.				
22.				

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Volatile Organics by EPA 8260								
Chloromethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Bromomethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Vinyl chloride	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Chloroethane	<2.	µg/L	1.0	2.0	EPA 8260	06/21/96	DW	
Methylene chloride	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Acetone	22.	µg/L	1.0	5.0	EPA 8260	06/21/96	DW	
Carbon disulfide	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Total 1,2-Dichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Chloroform	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,2-Dichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
2-Butanone	<5.	µg/L	1.0	5.0	EPA 8260	06/21/96	DW	
1,1,1-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Carbon tetrachloride	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Bromodichloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	

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07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

40 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-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
1,2-Dichloropropane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
cis-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Trichloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Dibromochloromethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1,2-Trichloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Benzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
trans-1,3-Dichloropropene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Bromoform	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
4-Methyl-2-pentanone	<3.	µg/L	1.0	3.0	EPA 8260	06/21/96	DW	
2-Hexanone	<4.	µg/L	1.0	4.0	EPA 8260	06/21/96	DW	
Tetrachloroethene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,1,2,2-Tetrachloroethane	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Toluene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Chlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Ethylbenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Styrene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
Total Xylenes	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	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.

07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibromofluoromethane (Surr.)	99.	%	1.0		EPA 8260	06/21/96	DW	
Toluene-d8 (Surr.)	97.	%	1.0		EPA 8260	06/21/96	DW	
p-Bromofluorobenzene (Surr.)	99.	%	1.0		EPA 8260	06/21/96	DW	
1,2-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,3-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	
1,4-Dichlorobenzene	<1.	µg/L	1.0	1.0	EPA 8260	06/21/96	DW	

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07/23/96

LJO/jcbajc(dw)/daw/drt
MF21VLW2

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name: Katahdin

SDG No.: S1QD001

Matrix (soil/water): Water

Lab Sample ID: WM1269-1

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

Lab File ID: Q1899.D

Level: (low/med) Low

Date Received: 6/20/96

% Moisture: not dec. N/A

Date Analyzed: 6/21/96

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.	000075-05-8	Acetonitrile	6.26	6	JN
2.					
3.					
4.					
5.					
6.					
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18.					
19.					
20.					
21.					
22.					

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

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	07/12/96	JC	
bis(2-Chloroethyl)ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Chlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,3-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,4-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,2-Dichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Chloroisopropyl) ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
n-Nitroso-dipropylamine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachloroethane	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Nitrobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Isophorone	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Nitrophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

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(1) Sample Preparation on 06/24/96 by DEW using EPA 3520

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,4-Dimethylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Chloroethoxy)methane	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
1,2,4-Trichlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Naphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chloroaniline	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorobutadiene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chloro-3-methylphenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Methylnaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorocyclopentadiene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4,6-Trichlorophenol	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4,5-Trichlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
2-Chloronaphthalene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Dimethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Acenaphthylene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

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07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
2,6-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
3-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Acenaphthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dinitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
4-Nitrophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
Dibenzofuran	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2,4-Dinitrotoluene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Diethylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Chlorophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Fluorene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Nitroaniline	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
4,6-Dinitro-2-methylphenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	
n-Nitrosodiphenylamine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
4-Bromophenyl phenyl ether	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Hexachlorobenzene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Pentachlorophenol	<25.	µg/L	1.0	25	EPA 8270B	07/12/96	JC	

* 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.

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSOA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Phenanthrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Carbazole	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Di-n-butylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Butyl benzylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
3,3'-Dichlorobenzidine	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(a)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Chrysene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
bis(2-Ethylhexyl)phthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Di-n-octylphthalate	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(b)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(k)fluoranthene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(a)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Indeno(1,2,3-cd)pyrene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	

* 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.

07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

Katahdin
ANALYTICAL SERVICES

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

Lab Number : WM-1269-1
Report Date: 07/23/96
PO No. : 802LSQA
Project : 29600.47/7206

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
S1QD001	Aqueous	K.RUSCZYK	06/18/96	06/20/96

PARAMETER	RESULT	UNITS	DF	*PQL	METHOD	ANALYZED	BY	NOTES
Dibenzo(a,h)anthracene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
Benzo(g,h,i)perylene	<10.	µg/L	1.0	10	EPA 8270B	07/12/96	JC	
2-Fluorophenol (% Recovery)	70.	%	1.0		EPA 8270B	07/12/96	JC	
Phenol-d5 (% Recovery)	78.	%	1.0		EPA 8270B	07/12/96	JC	
Nitrobenzene-d5 (% Recovery)	80.	%	1.0		EPA 8270B	07/12/96	JC	
2-Fluorobiphenyl (% Recovery)	86.	%	1.0		EPA 8270B	07/12/96	JC	
2,4,6-Tribromophenol (% Recovery)	80.	%	1.0		EPA 8270B	07/12/96	JC	
Terphenyl-d14 (% Recovery)	81.	%	1.0		EPA 8270B	07/12/96	JC	

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07/23/96

LJO/jcbajc(dw)/kwh
MF24W1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Name: S1QD001

Lab Name: Katahdin

SDG No.: S1QD001

Matrix (soil/water): Water

Lab Sample ID: WM1269-1

Sample wt/vol: 1000 (g/ml) ml

Lab File ID: Z1244

Level: (low/med) low

Date Received: 6/20/96

% Moisture: not dec. N/A N (Y/N) Decanted

Date Extracted: 6/24/96

Concentrated Extract Volume 1000 (ul)

Date Analyzed: 7/12/96

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: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	68122	Formamide, N,N-dimethyl-	4.41	11	JN
2.	111900	Ethanol, 2-(ethoxyethoxy)-	9.04	5	JN
3.					
4.					
5.					
6.					
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22.					

SW846

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1QD001

Lab Name: KATAHDIN_ANALYTICAL_____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: S1QD00

Matrix (soil/water): WATER Lab Sample ID: WM1269-1

Level (low/med): LOW__ Date Received: 06/20/96

% 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_	24.2	B		P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	0.61	B	E	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.30	U		P
7440-70-2	Calcium__	45.2	B		P
7440-47-3	Chromium_	1.1	B		P
7440-48-4	Cobalt___	0.70	U		P
7440-50-8	Copper___	0.70	U		P
7439-89-6	Iron_____	25.0	U		P
7439-92-1	Lead_____	1.0	U		P
7439-95-4	Magnesium	7.0	U	E	P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	1.0	U		P
7440-09-7	Potassium	635	U		P
7782-49-2	Selenium_	3.7	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	64.5	B		P
7440-28-0	Thallium_	3.9	U		P
7440-62-2	Vanadium_	0.60	U		P
7440-66-6	Zinc_____	4.4	B		P
	Cyanide__	1.3	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments: