RECEIVED EDMC JUN 1995

Data Package Receipt Dates

by Master DP File Number

for LOCKHEED Laboratory

START

HEIS Samp Number	Client Sample Number	Master DP File Number	DP Sequence Number	Project	Y N	VOA	Y N	SEMI VOA	Y N	PEST/PCB	Y N	WETCHEM	Y N	METALS	COMMENTS	Y N	RADCHEM	Date OSM Rcvd DP
B0DMX2		LK3680		100-D-PONDS II	Y	2/22/95	Y	2/22/95	Y	2/22/95	Y	2/22/95	Y	2/22/95	01/19/95 - SAF-B94-098 SUMMARY DP	Y	2/22/95	2/22/95
B0DMX3		LK3680		100-D-PONDS II	Y	2/22/95	Y	2/22/95	Y	2/22/95	Y	2/22/95	Y	2/22/95	01/19/95 - SAF-B94-098 SUMMARY DP	Y	2/22/95	2/22/95
B0DMX4		LK3737		100-D-PONDS II	Y	3/08/95	Y	3/08/95	Y	3/08/95	Y	3/08/95	Y	3/08/95	01/31/95 - SAF-B94-098 SUMMARY DP	Y	3/08/95	3/08/95
B0DMR2		W0386		100-D-PONDS II	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	01/18/95 - SAF-B94-098 SUMMARY DP	Y	3/13/95	3/13/95
B0DMR3		W0386		100-D-PONDS II	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	01/18/95 - SAF-B94-098 SUMMARY DP	Y	3/13/95	3/13/95
B0DMS9		W0386		100-D-PONDS II	N		N		Y	3/13/95	Y	3/13/95	Y	3/13/95	01/18/95 - SAF-B94-098 SUMMARY DP	Y	3/13/95	3/13/95
B0DMT5		W0386		100-D-PONDS II	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	01/18/95 - SAF-B94-098 SUMMARY DP	Y	3/13/95	3/13/95
B0DMT6		W0386		100-D-PONDS II	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	Y	3/13/95	01/18/95 - SAF-B94-098 SUMMARY DP	Y	3/13/95	3/13
B0DMR4		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF B94-098 SUMMARY DP	Y	3/20/95	3/20

Data Package Receipt Dates

by Master DP File Number

for QUANTERRA Laboratory

HEIS Samp Number	Client Sample Number	Master DP File Number	DP Sequence Number	Project	Y N	VOA	Y N	SEMI VOA	Y N	PEST/PCB	Y N	WETCHEM	Y N	METALS	COMMENTS	Y N	RADCHEM	Date OSM Rcvd DP
B0DMR5		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMR6		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMR7		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMR9		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMS0		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMS3		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMS4		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMS6		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95
B0DMS7		W0403		100-D-PONDS II	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	Y	3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y	3/20/95	3/20/95

Data Package Receipt Dates

by Master DP File Number

for QUANTERRA Laboratory

HEIS Samp Number	Client Sample Number	Master DP File Number	DP Sequence Number	Project	Y N VOA	Y N SEMI VOA	Y N PEST/PCB	Y N WETCHEM	Y N METALS	COMMENTS	Y N RADCHEM	Date DSM Rcvd DP
B0DMS8		W0403		100-D-PONDS II	N	N	Y 3/16/95	Y 3/16/95	Y 3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMT0		W0403		100-D-PONDS II	N	N	Y 3/16/95	Y 3/16/95	Y 3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMT1		W0403		100-D-PONDS II	N	N	Y 3/16/95	Y 3/16/95	Y 3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMT7		W0403		100-D-PONDS II	N	N	N	N	Y 3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMT9		W0403		100-D-PONDS II	N	N	N	Y 3/16/95	Y 3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	N	[illegible]/16/95
B0DMV0		W0403		100-D-PONDS II	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	02/01/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMV1		W0403		100-D-PONDS II	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	02/01/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMV2		W0403		100-D-PONDS II	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	02/01/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95
B0DMX5		W0403		100-D-PONDS II	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	01/30/95 - SAF-B94-098 SUMMARY DP	Y 3/20/95	3/20/95

Data Package Receipt Dates

by Master DP File Number

for QUANTERRA Laboratory

HEIS Samp Number	Client Sample Number	Master DP File Number	DP Sequence Number	Project	Y N VOA	Y N SEMI VOA	Y N PEST/PCB	Y N WETCHEM	Y N METALS	COMMENTS	Y N RADCHEM	Date OSM Rcvd DP
BODMT2		W0429		100-D-PONDS II	Y 3/13/95	Y 3/13/95	Y 3/13/95	Y 3/13/95	Y 3/13/95	01/18/95 - SAF-B94-098 DOC #BHI-00405 REV.00	Y 3/13/95	3/13/95
BODMT3		W0429		100-D-PONDS II	Y 3/13/95	Y 3/13/95	Y 3/13/95	Y 3/13/95	Y 3/13/95	01/18/95 - SAF-B94-098 DOC #BHI-00405 REV.00	Y 3/13/95	3/13/95
BODMT4		W0430		100-D-PONDS II	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	Y 3/16/95	01/30/95 - SAF-B94-098 DOC #BHI-00405 REV.00	Y 3/16/95	3/16/95

Total Samples Requested -- 30

Total Samples Complete -- 30

Lockheed Analytical Services

Log-in No.: L3680
Quotation No.: Q400000-B
SAF: B94-098
Document File No.: 0119596
WHC Document File No.: 153
SDG No.: LK3680
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CASE NARRATIVE
INORGANIC NON METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), duplicate sample(s).

Preparation and Analysis Requirements

- Two water samples were received for LK3680 and prepared as batch 119WH and analyzed for selected analytes as requested on the chain of custody.

Client ID	LAL #		Method
BODMX2	L3680-20	MS,DUP	300.0 CHLORIDE, FLUORIDE, NITRATE-N, NITRITE-N, PHOSPHATE, AND SULFATE
BODMX2	L3680-10	MS,DUP	353.2 NITRATE-NITRITE-NITROGEN
BODMX2	L3680-8	MS, DUP	9020M TOTAL ORGANIC HALIDES
BODMX2	L3680-7	MS, DUP	9030 SULFIDE

Holding Time Requirements

- All samples were analyzed within the specified holding time, except Method 300.0 Nitrate-N, Nitrite-N and Method 365.2 Orthophosphate which were received from the client out of holding time. Analyses proceeded at the direction of the client and the applicable samples are flagged with an "H".

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits, except the following:

Method 9020M Total Organic Halides: The duplicate sample precision was outside of acceptance limits. Poor duplicate sample precision may be attributed to inhomonogenity. Therefore, some variability may exist in sample results due to this inconsistency. The affected samples are flagged with an "*".

Method 9030 Sulfide: The matrix spike recovered outside the control limits for Sulfide. However, the acceptable recovery for the LCS for Sulfide indicated that the analytical system was operating correctly and that the out-of-control recovery may be attributed to matrix interferences. The affected samples are flagged with an "N".

Kay McCann	February 21, 1995
Prepared By	**Date**

CASE NARRATIVE
INORGANIC METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), duplicate sample(s).

Holding Times-

All samples were analyzed within the method-specific holding times.

Method Blanks-

The method blanks were free of contamination.

Internal Quality Control-

All Internal Quality Control were within acceptance limits with the following exception: The matrix spike recoveries for antimony (64%), and zinc (58%) were outside of the ±25% acceptance limits. The recoveries based on the LCS Solid (61% antimony, and 113% zinc) were all within the manufacturers acceptance limits.

For sodium, the soil LCS (ERA Lot #219) recovery exceeded the manufacturer's advisory limits. The recovery is the result of the low true concentration (i.e., less than the reporting detection limit) for the standard. Signals detected below the RDL consists primarily of noise.

The duplicate sample precision for arsenic, aluminum, chromium, and zinc were outside of acceptance limits. Poor duplicate sample precision may be attributed to inhomogeneity of the sample. Therefore, some variability may exist in sample results due to this inconsistency.

Sample Results-

Results are reported on a dry weight basis.

Shellee McGrath
Prepared By

February 7, 1995
Date

CASE NARRATIVE
ORGANIC ANALYSES

Analytical Method 8240 Volatiles

Analytical Batch 012795-8240-E1

All associated client samples were analyzed within holding time on January 27, 1995. All instrument tunes, initial and continuing calibrations were within QC criteria. Target compounds were not detected in the method blank (19204MB) but one tentatively identified compound (TIC) was detected. All associated samples with detected TIC as in the method blank were flagged with the qualifier "**B**". Surrogate recoveries were within QC limits for all associated samples analyzed. All compound recoveries in the matrix spike (19204MS), matrix spike duplicate (19204MSD) and laboratory control sample (19204LCS) were within QC limits except for Trichloroethene in the MS and LCS samples. All the relative percent differences (RPDs) between the MS and MSD recoveries were outside QC limits. All internal standard area counts and retention times were within QC limits except in samples 19204MS and 19204MSD. Target compounds were not detected in the associated client samples analyzed but one tentatively identified compound (TIC) was detected in sample BODMX3 (L3680-15).

Analytical Method 8270 Semivolatiles

Analytical Batch 012695-8270-L

All associated client samples were extracted within holding time on January 23, 1995 and analyzed within holding time on January 26 and 27, 1995. All instrument tunes, initial and continuing calibrations were within QC criteria. Target compounds were not detected in the method blank (18194MB) but one tentatively identified compound (TIC) was detected. All associated samples with detected TIC as in the method blank were flagged with the qualifier "**B**". Surrogate recoveries were within QC limits for all associated samples analyzed. All compound recoveries in the matrix spike matrix spike (18194MS), matrix spike duplicate (18194MSD) and laboratoty control sample (18194LCS) were within QC limits except for 4-Nitrophenol, 2,4-Dinitrotoluene and Pentachlorophenol in both the MS and MSD. All relative percent differences (RPDs) between the MS and MSD recoveries were within QC limits for each spiked compound. The MS and MSD were reanalyzed in this analytical batch and both analyses results were reported in this data package. All internal standard area counts and retention times were within QC limits for all associated samples analyzed. Target compounds and TICs were detected in the associated client samples analyzed.

Note: Matrix spike compounds 4-Nitrophenol and Pentachlorophenol had concentrations above the calibration range. These samples were reanalyzed in this analytical batch but not diluted because we normally spike these two compounds at 10,000 µg/kg. Since the method blank and LCS met all QC criteria, no further corrective action was performed.

Analytical Method 8080 Pesticides/PCBs

The associated samples were analyzed in two analytical batches.

Note: PCB 1254 and PCB 1260 concentrations on the forms submitted were quantitated and reported from analytical batch 020695-8080-C1 using the initial calibrations for PCB 1254 and PCB 1260 analyzed on February 06, 1995. All sample concentrations were reported from GC column RTX-1701.

Analytical Batch 020195-8080-A1

The associated client samples were extracted within holding time on January 22, 1995 and analyzed within holding time on February 02, 1995. All initial and continuing calibrations and retention time checks were within QC criteria. Target compounds were not detected in the method blank (18195MB). Surrogate recoveries were within QC limits for all associated samples analyzed. All compound recoveries in the matrix spike (18195MS), matrix spike duplicate (18195MSD) and laboratory control sample (18195LCS) were within QC limits except for compounds 4,4'-DDT, Dieldrin and Endrin in the MSD sample due to sample matrix interference. All relative percent differences (RPDs) between the MS and MSD recoveries were within QC limits except for compounds 4,4'-DDT, Dieldrin and Endrin due to sample matrix interference. PCB 1254 and PCB 1260 were detected in the associated client samples analyzed. These samples were quantitated using PCB 1254 and PCB 1260 initial calibration curve analyzed on February 06, 1995.

Analytical Batch 020695-8080-C1

The associated client samples were extracted within holding time on January 22, 1995 and analyzed within holding time on February 06, 1995. All initial and continuing calibrations and retention time checks were within QC criteria except for the high percent difference (%D) from the initial calibration of PCB 1254 and PCB 1260 continuing calibration verification (CCV) checks on RTX-5 column ending this analytical batch. Since this column is used as confirmation column only, it is believed not to affect data quality. All method blank results are referenced in analytical batch 020195-8080-A1. Surrogate recoveries for all associated samples analyzed are referenced in analytical batch 020195-8080-A1. All compound recoveries in the matrix spike (18195MS), matrix spike duplicate (18195MSD) and laboratory control sample (18195LCS) are referenced in analytical batch 020195-8080-A1. PCB 1254 and PCB 1260 were detected in the associated client samples analyzed in analytical batch 020195-8080-A1. The samples were quantitated and reported using PCB 1254 and PCB 1260 initial calibration curve analyzed in this analytical batch.

Lydia M. Coleman
Prepared By

February 21, 1995
Date

Lockheed Analytical Services

Log-in No.: L3680
Quotation No.: Q400000-B
SAF: B94-098
Document File No.: 0119596
WHC Document File No.: 153
SDG No.: LK3680
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CASE NARRATIVE
RADIOCHEMICAL ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument calibration, initial and continuing calibration verification, quench monitoring standards, instrument background analysis, method blanks, yield tracer, laboratory control samples, matrix spike samples, duplicate samples.

Holding Time Requirements

All holding time requirements were met.

Analytical Method

Gamma Spectrum Analysis

The Gamma Spectrum Analysis was performed using LAL-91-SOP-0064. No problems were encountered during analysis. All QC criteria were met.

Gross Alpha Beta

The Gross Alpha Beta Analysis was performed using LAL-91-SOP-0061. The matrix spike recovery was high, however the LCS recovered within control limits. All other QC criteria were met.

Yvonne Jacoby
Prepared By

February 21, 1995
Date

SAMPLE AND DATA MANAGEMENT

RECORD OF DISPOSITION

ROD-895-016
Record of Disposition No.

DATE: 01/31/95	LABORATORY: Lockheed
PROJECT TITLE/NO.: 100-D Ponds/B94-098	NCR NO.: N/A

SAMPLE IDENTIFICATION NUMBERS:

1) B0DMX2, B0DMX3 (1 SDG, summary deliverable)

2) B0DMX4 (1 SDG, summary deliverable)

DESCRIPTION OF EVENT:

1) These samples were collected in the first phase of the sampling event. They were analyzed together in one batch with one set of QC.

2) This sample was collected in the second phase of the sampling event. It was analyzed in one batch with one set of QC.

SAF requests all data packages be standalone; both packages should be summary.

DISPOSITION OF SAMPLES:

1) Results for samples B0DMX2 and B0DMX3 should be reported in one summary data package.

2) Results from sample B0DMX4 should be reported in one summary data package.

APPROVAL SIGNATURES:

K. L. Smith/ [signature] — 1/31/95
OSM Project Coordinator (Print/Sign Name) — Date

M.T. Stankovich/ [signature] — 2/13/95
Technical Representative (Print/Sign Name) — Date

N/A
Quality Assurance (Print/Sign Name) — Date

TOTAL METALS RESULTS

Client Sample ID: BODMX2	Date Collected: 01-17-95	Matrix: soil
LAL Batch ID(s): 119 wh	Date Received: 01-19-95	Percent Solids: 63.1

Constituents	Method	Concentration (mg/kg)	IDL (mg/kg)	RDL (mg/kg)	Data Qualifier(s)	Date Analyzed	LAL ID
Aluminum	6010	37,000	22	63	*	02-02-95	L3680-3
Antimony	6010	<16	16	19	U N	02-02-95	L3680-3
Arsenic	7060	14	0.95	3.2	*	01-23-95	L3680-3
Barium	6010	99	3.5	63		02-02-95	L3680-3
Beryllium	6010	0.38	0.32	1.6	B	02-02-95	L3680-3
Cadmium	6010	1.5	1.3	1.6	B	02-02-95	L3680-3
Calcium	6010	5100	9.5	1580		02-02-95	L3680-3
Chromium	6010	48	1.3	3.2	*	02-02-95	L3680-3
Cobalt	6010	7.5	2.8	16	B	02-02-95	L3680-3
Copper	6010	59	2.5	7.9		02-02-95	L3680-3
Iron	6010	23,000	4.8	32		02-02-95	L3680-3
Lead	7421	35	3.2	4.8	D(1:5)	01-23-95	L3680-3
Magnesium	6010	4000	11	1580		02-02-95	L3680-3
Manganese	6010	230	0.63	4.8		02-02-95	L3680-3
Nickel	6010	18	4.4	13		02-02-95	L3680-3
Potassium	6010	900	196	1580	B	02-02-95	L3680-3
Selenium	7740	<0.95	0.95	1.6	U W	01-23-95	L3680-3
Silver	6010	<2.2	2.2	3.2	U	02-02-95	L3680-3
Sodium	6010	670	22	1580	B	02-02-95	L3680-3
Thallium	7841	<0.95	0.95	3.2	U	01-23-95	L3680-3
Vanadium	6010	52	2.5	16		02-02-95	L3680-3
Zinc	6010	330	2.5	6.3	* N	02-02-95	L3680-3

Comments:

TOTAL METALS RESULTS

Client Sample ID: BODMX3	Date Collected: 01-17-95	Matrix: soil
LAL Batch ID(s): 119 wh	Date Received: 01-19-95	Percent Solids: 33.4

Constituents	Method	Concentration (mg/kg)	IDL (mg/kg)	RDL (mg/kg)	Data Qualifier(s)	Date Analyzed	LAL ID
Aluminum	6010	62,000	42	120	*	02-02-95	L3680-14
Antimony	6010	<30	30	36	U N	02-02-95	L3680-14
Arsenic	7060	40	1.8	6.0	*	01-23-95	L3680-14
Barium	6010	99	6.6	120	B	02-02-95	L3680-14
Beryllium	6010	<0.6	0.6	3.0	U	02-02-95	L3680-14
Cadmium	6010	3.3	2.4	3.0		02-02-95	L3680-14
Calcium	6010	4000	18	3000*		02-02-95	L3680-14
Chromium	6010	82	2.4	6.0	*	02-02-95	L3680-14
Cobalt	6010	8.5	5.4	30	B	02-02-95	L3680-14
Copper	6010	66	4.8	15		02-02-95	L3680-14
Iron	6010	24,000	9.0	60		02-02-95	L3680-14
Lead	7421	160	12	18	D(1:10)	01-23-95	L3680-14
Magnesium	6010	3700	22	3000		02-02-95	L3680-14
Manganese	6010	180	1.2	9.0		02-02-95	L3680-14
Nickel	6010	24	8.4	24		02-02-95	L3680-14
Potassium	6010	1300	370	3000	B	02-02-95	L3680-14
Selenium	7740	<1.8	1.8	3.0	U W	01-23-95	L3680-14
Silver	6010	<4.2	4.2	6.0	U	02-02-95	L3680-14
Sodium	6010	1200	42	3000	B	02-02-95	L3680-14
Thallium	7841	<1.8	1.8	6.0	U	01-23-95	L3680-14
Vanadium	6010	49	4.8	30		02-02-95	L3680-14
Zinc	6010	830	4.8	12	* N	02-02-95	L3680-14

Comments:

LOCKHEED ANALYTICAL SERVICES

COMMON IONS AND ADDITIONAL ANALYTES

Sample Results

Client Sample ID: B0DMX2	Date Collected: 17-JAN-95
Matrix: Soil	Date Received: 19-JAN-95

Constituent	Units	Method	Result	Reporting Det Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Chloride	mg/kg	300.0	10.	0.2		24-JAN-95	18137	L3680-9
Fluoride	mg/kg	300.0	0.93	0.1		24-JAN-95	18174	L3680-9
Nitrate-N	mg/kg	300.0	44.	0.2	H	24-JAN-95	18138	L3680-9
Nitrite-N	mg/kg	300.0	< 0.1	0.1	H	24-JAN-95	18139	L3680-9
Ortho Phosphate	mg/kg	300.0	< 1	1	H	24-JAN-95	18140	L3680-9
Sulfate	mg/kg	300.0	1500	1		25-JAN-95	18141	L3680-9
Nitrate-Nitrite-Nitrogen	mg/kg	353.2	27.	0.1		31-JAN-95	18172	L3680-10
Extractable Organic Halides	mg/kg	9020M	< 6	6	*H	02-FEB-95	18171	L3680-8
Sulfide	mg/kg	9030	< 3	3	NH	31-JAN-95	18165	L3680-7

LOCKHEED ANALYTICAL SERVICES

COMMON IONS AND ADDITIONAL ANALYTES

Sample Results

Client Sample ID: B0DMX3	Date Collected: 17-JAN-95
Matrix: Soil	Date Received: 19-JAN-95

Constituent	Units	Method	Result	Reporting Det Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Chloride	mg/kg	300.0	7.1	0.2		24-JAN-95	18137	L3680-20
Fluoride	mg/kg	300.0	6.7	0.1		24-JAN-95	18174	L3680-20
Nitrate-N	mg/kg	300.0	12.	0.2	H	24-JAN-95	18138	L3680-20
Nitrite-N	mg/kg	300.0	< 0.1	0.1	H	24-JAN-95	18139	L3680-20
Ortho Phosphate	mg/kg	300.0	< 1	1	H	24-JAN-95	18140	L3680-20
Sulfate	mg/kg	300.0	1600	1*		25-JAN-95	18141	L3680-20
Nitrate-Nitrite-Nitrogen	mg/kg	353.2	14.	0.1		31-JAN-95	18172	L3680-21
Extractable Organic Halides	mg/kg	9020M	28.	6	*H	02-FEB-95	18171	L3680-19
Sulfide	mg/kg	9030	5.3	3	NH	31-JAN-95	18165	L3680-18

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0DMX2	LAL Sample ID:	L3680-4
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	27-JAN-95	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	012795-8240-E1
Percent Moisture:	36.87	Preparation Dilution:	0.992

SURROGATE RECOVERY (%)		
		QC Limits
1,2-Dichloroethane-d4	108	70-121
Toluene-d8	101	81-117
Bromofluorobenzene	92	74-121

CONSTITUENT	CAS NO.	RESULT ug/kg	PRACTICAL QUANTITATION LIMIT ug/kg	DATA QUALIFIER(s
Chloromethane	74-87-3	<7.9	7.9	
Vinyl Chloride	75-01-4	<7.9	7.9	
Bromomethane	74-83-9	<7.9	7.9	
Chloroethane	75-00-3	<7.9	7.9	
Trichlorofluoromethane	75-69-4	<7.9	7.9	
Acetone	67-64-1	<16.	16.	
1,1-Dichloroethene	75-35-4	<7.9	7.9	
Carbon Disulfide	75-15-0	<7.9	7.9	
Methylene Chloride	75-09-2	<7.9	7.9	
trans-1,2-Dichloroethene	156-50-5	<7.9	7.9	
Vinyl Acetate	108-05-4	<16.	16.	
1,1-Dichloroethane	75-34-3	<7.9	7.9	
2-Butanone	78-93-3	<16.	16.	
Chloroform	67-66-3	<7.9	7.9	
2-Hexanone	591-78-6	<7.9	7.9	
1,1,1-Trichloroethane	71-55-6	<7.9	7.9	
Carbon tetrachloride	56-23-5	<7.9	7.9	
1,2-Dichloroethane	107-06-2	<7.9	7.9	
Benzene	71-43-2	<7.9	7.9	
Trichloroethene	79-01-6	<7.9	7.9	
1,2-Dichloropropane	78-87-5	<7.9	7.9	
Bromodichloromethane	75-27-4	<7.9	7.9	
2-Chloroethylvinylether	110-75-8	<31.	31.	
4-Methyl-2-Pentanone	108-10-1	<16.	16.	
cis-1,3-Dichloropropene	10061-01-5	<7.9	7.9	
Toluene	108-88-3	<7.9	7.9	
trans-1,3-Dichloropropene	10061-02-6	<7.9	7.9	
1,1,2-Trichloroethane	79-00-5	<7.9	7.9	
Tetrachloroethene	127-18-4	<7.9	7.9	
Dibromochloromethane	124-48-1	<7.9	7.9	
Chlorobenzene	108-90-7	<7.9	7.9	
Ethylbenzene	100-41-4	<7.9	7.9	
m,p-Xylene	1330-20-7	<7.9	7.9	
o-Xylene	95-47-6	<7.9	7.9	
Styrene	100-42-5	<7.9	7.9	
Bromoform	75-25-2	<7.9	7.9	
1,1,2,2-Tetrachloroethane	79-34-5	<7.9	7.9	
Bromochloromethane	74-97-5	<7.9	7.9	
1,3-Dichlorobenzene	541-73-1	<7.9	7.9	
1,4-Dichlorobenzene	106-46-7	<7.9	7.9	
1,2-Dichlorobenzene	95-50-1	<7.9	7.9	

VOLATILE ORGANIC ANALYSIS RESULTS
FOR ANALYSES USING METHOD 8240
TENTATIVELY IDENTIFIED COMPOUNDS

Client Sample ID: BODMX2	LAL Sample ID: L3680-4
Date Received: 19-JAN-95	Date Analyzed: 27-JAN-95
Matrix: SOIL	Dilution Factor: 1
Analytical Batch: 012795-8240-E1	QC Batch ID: 012795-8240

Tentatively Identified Compound	Estimated Concentration (µg/Kg)	Retention Time (minutes)	Data Qualifier(s)
NONE DETECTED			

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0DMX3	LAL Sample ID:	L3680-15
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	27-JAN-95	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	012795-8240-E1
Percent Moisture:	66.57	Preparation Dilution:	0.975

SURROGATE RECOVERY (%)		
		QC Limits
1,2-Dichloroethane-d4	112	70-121
Toluene-d8	102	81-117
Bromofluorobenzene	95	74-121

CONSTITUENT	CAS NO.	RESULT ug/kg	PRACTICAL QUANTITATION LIMIT ug/kg	DATA QUALIFIER(s
Chloromethane	74-87-3	<15.	15.	
Vinyl Chloride	75-01-4	<15.	15.	
Bromomethane	74-83-9	<15.	15.	
Chloroethane	75-00-3	<15.	15.	
Trichlorofluoromethane	75-69-4	<15.	15.	
Acetone	67-64-1	<29.	29.	
1,1-Dichloroethene	75-35-4	<15.	15.	
Carbon Disulfide	75-15-0	<15.	15.	
Methylene Chloride	75-09-2	<15.	15.	
trans-1,2-Dichloroethene	156-50-5	<15.	15.	
Vinyl Acetate	108-05-4	<29.	29.	
1,1-Dichloroethane	75-34-3	<15.	15.	
2-Butanone	78-93-3	<29.	29.	
Chloroform	67-66-3	<15.	15.	
2-Hexanone	591-78-6	<15.	15.	
1,1,1-Trichloroethane	71-55-6	<15.	15.	
Carbon tetrachloride	56-23-5	<15.	15.	
1,2-Dichloroethane	107-06-2	<15.	15.	
Benzene	71-43-2	<15.	15.	
Trichloroethene	79-01-6	<15.	15.	
1,2-Dichloropropane	78-87-5	<15.	15.	
Bromodichloromethane	75-27-4	<15.	15.	
2-Chloroethylvinylether	110-75-8	<58.	58.	
4-Methyl-2-Pentanone	108-10-1	<29.	29.	
cis-1,3-Dichloropropene	10061-01-5	<15.	15.	
Toluene	108-88-3	<15.	15.	
trans-1,3-Dichloropropene	10061-02-6	<15.	15.	
1,1,2-Trichloroethane	79-00-5	<15.	15.	
Tetrachloroethene	127-18-4	<15.	15.	
Dibromochloromethane	124-48-1	<15.	15.	
Chlorobenzene	108-90-7	<15.	15.	
Ethylbenzene	100-41-4	<15.	15.	
m,p-Xylene	1330-20-7	<15.	15.	
o-Xylene	95-47-6	<15.	15.	
Styrene	100-42-5	<15.	15.	
Bromoform	75-25-2	<15.	15.	
1,1,2,2-Tetrachloroethane	79-34-5	<15.	15.	
Bromochloromethane	74-97-5	<15.	15.	
1,3-Dichlorobenzene	541-73-1	<15.	15.	
1,4-Dichlorobenzene	106-46-7	<15.	15.	
1,2-Dichlorobenzene	95-50-1	<15.	15.	

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VOLATILE ORGANIC ANALYSIS RESULTS
FOR ANALYSES USING METHOD 8240
TENTATIVELY IDENTIFIED COMPOUNDS

Client Sample ID: BODMX3	LAL Sample ID: L3680-15
Date Received: 19-JAN-95	Date Analyzed: 27-JAN-95
Matrix: SOIL	Dilution Factor: 1
Analytical Batch: 012795-8240-E1	QC Batch ID: 012795-8240

Tentatively Identified Compound	Estimated Concentration (µg/Kg)	Retention Time (minutes)	Data Qualifier(s)
UNKNOWN	35	16.51	J

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0DMX2	LAL Sample ID:	L3680-5
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	26-JAN-95	Date Extracted:	23-JAN-95
Matrix:	Soil	Analytical Batch ID:	012695-8270-L
QC Group:	8270 SEMI-VOLATILES_18194	Analytical Dilution:	1
Percent Moisture:	36.87	Preparation Dilution:	0.988

SURROGATE RECOVERY (%)		
		QC Limits
2-Fluorophenol	65	25-121
Phenol-d5	72	24-113
Nitrobenzene-d5	62	23-120
2-Fluorobiphenyl	77	30-115
2,4,6-Tribromophenol	99	19-122
Terphenyl-d14	85	18-137

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s
Phenol	108-95-2	<1000	1000	
bis(2-Chloroethyl)ether	111-44-4	<1000	1000	
2-Chlorophenol	95-57-8	<1000	1000	
1,3-Dichlorobenzene	541-73-1	<1000	1000	
1,4-Dichlorobenzene	106-46-7	<1000	1000	
Benzyl alcohol	100-51-6	<2000	2000	
1,2-Dichlorobenzene	95-50-1	<1000	1000	
2-Methylphenol	95-48-7	<1000	1000	
bis(2-chloroisopropyl)ether	39638-32-9	<1000	1000	
4-Methylphenol	106-44-5	<1000	1000	
N-Nitroso-di-n-propylamine	621-64-7	<1000	1000	
Hexachloroethane	67-72-1	<1000	1000	
Nitrobenzene	98-95-3	<1000	1000	
Isophorone	78-59-1	<1000	1000	
2-Nitrophenol	88-75-5	<1000	1000	
2,4-Dimethylphenol	105-67-9	<1000	1000	
Benzoic acid	65-85-0	<5100	5100	
bis(2-Chloroethoxy)methane	111-91-1	<1000	1000	
2,4-Dichlorophenol	120-83-2	<1000	1000	
1,2,4-Trichlorobenzene	120-82-1	<1000	1000	
Naphthalene	91-20-3	<1000	1000	
4-Chloroaniline	106-47-8	<2000	2000	
Hexachlorobutadiene	87-68-3	<1000	1000	
4-Chloro-3-methylphenol	59-50-7	<2000	2000	
2-Methylnaphthalene	91-57-6	<1000	1000	
Hexachlorocyclopentadiene	77-47-4	<1000	1000	
2,4,6-Trichlorophenol	88-06-2	<1000	1000	
2,4,5-Trichlorophenol	95-95-4	<1000	1000	
2-Chloronaphthalene	91-58-7	<1000	1000	
2-Nitroaniline	88-74-4	<5100	5100	
Dimethylphthalate	131-11-3	<1000	1000	
Acenaphthylene	208-96-8	<1000	1000	
2,6-Dinitrotoluene	606-20-2	<1000	1000	
3-Nitroaniline	99-09-2	<5100	5100	
Acenaphthene	83-32-9	<1000	1000	
2,4-Dinitrophenol	51-28-5	<5100	5100	
4-Nitrophenol	100-02-7	<5100	5100	

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0DMX2	LAL Sample ID:	L3680-5
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	26-JAN-95	Date Extracted:	23-JAN-95
Matrix:	Soil	Analytical Batch ID:	012695-8270-L
QC Group:	8270 SEMI-VOLATILES_18194	Analytical Dilution:	1
Percent Moisture:	36.87	Preparation Dilution:	0.988

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<1000	1000	
2,4-Dinitrotoluene	121-14-2	<1000	1000	
Diethylphthalate	84-66-2	<1000	1000	
4-Chlorophenyl-phenylether	7005-72-3	<1000	1000	
Fluorene	86-73-7	<1000	1000	
4-Nitroaniline	100-01-6	<5100	5100	
4,6-Dinitro-2-methylphenol	534-52-1	<5100	5100	
N-Nitrosodiphenylamine (1)	86-30-6	<1000	1000	
4-Bromophenyl-phenylether	101-55-3	<1000	1000	
Hexachlorobenzene	118-74-1	<1000	1000	
Pentachlorophenol	87-86-5	<5100	5100	
Phenanthrene	85-01-8	<1000	1000	
Anthracene	120-12-7	<1000	1000	
Carbazole	86-74-8	<1000	1000	
Di-n-butylphthalate	84-74-2	230	1000	J
Fluoranthene	206-44-0	<1000	1000	
Pyrene	129-00-0	<1000	1000	
Butylbenzylphthalate	85-68-7	<1000	1000	
3,3'-Dichlorobenzidine	91-94-1	<2000	2000	
Benzo(a)anthracene	56-55-3	<1000	1000	
Chrysene	218-01-9	<1000	1000	
bis(2-Ethylhexyl)phthalate	117-81-7	280	1000	J
Di-n-octylphthalate	117-84-0	<1000	1000	
Benzo(b)fluoranthene	205-99-2	<1000	1000	
Benzo(k)fluoranthene	207-08-9	<1000	1000	
Benzo(a)pyrene	50-32-8	<1000	1000	
Indeno(1,2,3-cd)pyrene	193-39-5	<1000	1000	
Dibenz(a,h)anthracene	53-70-3	<1000	1000	
Benzo(g,h,i)perylene	191-24-2	<1000	1000	

SEMIVOLATILE ORGANIC ANALYSIS RESULTS
FOR ANALYSES USING METHOD 8270
TENTATIVELY IDENTIFIED COMPOUNDS

Client Sample ID: B0DMX2	LAL Sample ID: L3680-5
Date Received: 19-JAN-95	Date Analyzed: 26-JAN-95
Matrix: SOIL	Dilution Factor: 1
Analytical Batch: 012695-8270-L	QC Batch ID: 8270 SEMIVOLATILES_18194

Tentatively Identified Compound	Estimated Concentration (µg/Kg)	Retention Time (minutes)	Data Qualifier(s)
UNKNOWN	440	9.10	BJ
HYDROCARBON	4100	9.72	J
HYDROCARBON	2000	9.91	J
HYDROCARBON	470	10.28	J
UNKNOWN	550	14.32	J
HYDROCARBON	990	15.94	J
HYDROCARBON	500	17.14	J
HYDROCARBON	1500	18.37	J
SUBSTITUTED PAH	1000	19.60	J
UNKNOWN AROMATIC	1100	19.63	J
SUBSTITUTED PAH	1600	20.07	J
HYDROCARBON	1200	20.72	J
HYDROCARBON	1200	21.10	J

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0DMX3	LAL Sample ID:	L3680-16
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	26-JAN-95	Date Extracted:	23-JAN-95
Matrix:	Soil	Analytical Batch ID:	012695-8270-L
QC Group:	8270 SEMI-VOLATILES_18194	Analytical Dilution:	1
Percent Moisture:	66.57	Preparation Dilution:	0.983

SURROGATE RECOVERY (%)		
		QC Limits
2-Fluorophenol	47	25-121
Phenol-d5	60	24-113
Nitrobenzene-d5	47	23-120
2-Fluorobiphenyl	62	30-115
2,4,6-Tribromophenol	85	19-122
Terphenyl-d14	69	18-137

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s)
Phenol	108-95-2	<1900	1900	
bis(2-Chloroethyl)ether	111-44-4	<1900	1900	
2-Chlorophenol	95-57-8	<1900	1900	
1,3-Dichlorobenzene	541-73-1	<1900	1900	
1,4-Dichlorobenzene	106-46-7	<1900	1900	
Benzyl alcohol	100-51-6	<3800	3800	
1,2-Dichlorobenzene	95-50-1	<1900	1900	
2-Methylphenol	95-48-7	<1900	1900	
bis(2-chloroisopropyl)ether	39638-32-9	<1900	1900	
4-Methylphenol	106-44-5	<1900	1900	
N-Nitroso-di-n-propylamine	621-64-7	<1900	1900	
Hexachloroethane	67-72-1	<1900	1900	
Nitrobenzene	98-95-3	<1900	1900	
Isophorone	78-59-1	<1900	1900	
2-Nitrophenol	88-75-5	<1900	1900	
2,4-Dimethylphenol	105-67-9	<1900	1900	
Benzoic acid	65-85-0	<9700	9700	
bis(2-Chloroethoxy)methane	111-91-1	<1900	1900	
2,4-Dichlorophenol	120-83-2	<1900	1900	
1,2,4-Trichlorobenzene	120-82-1	<1900	1900	
Naphthalene	91-20-3	<1900	1900	
4-Chloroaniline	106-47-8	<3800	3800	
Hexachlorobutadiene	87-68-3	<1900	1900	
4-Chloro-3-methylphenol	59-50-7	<3800	3800	
2-Methylnaphthalene	91-57-6	<1900	1900	
Hexachlorocyclopentadiene	77-47-4	<1900	1900	
2,4,6-Trichlorophenol	88-06-2	<1900	1900	
2,4,5-Trichlorophenol	95-95-4	<1900	1900	
2-Chloronaphthalene	91-58-7	<1900	1900	
2-Nitroaniline	88-74-4	<9700	9700	
Dimethylphthalate	131-11-3	<1900	1900	
Acenaphthylene	208-96-8	<1900	1900	
2,6-Dinitrotoluene	606-20-2	<1900	1900	
3-Nitroaniline	99-09-2	<9700	9700	
Acenaphthene	83-32-9	<1900	1900	
2,4-Dinitrophenol	51-28-5	<9700	9700	
4-Nitrophenol	100-02-7	<9700	9700	

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0DMX3	LAL Sample ID:	L3680-16
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	26-JAN-95	Date Extracted:	23-JAN-95
Matrix:	Soil	Analytical Batch ID:	012695-8270-L
QC Group:	8270 SEMI-VOLATILES_18194	Analytical Dilution:	1
Percent Moisture:	66.57	Preparation Dilution:	0.983

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<1900	1900	
2,4-Dinitrotoluene	121-14-2	<1900	1900	
Diethylphthalate	84-66-2	<1900	1900	
4-Chlorophenyl-phenylether	7005-72-3	<1900	1900	
Fluorene	86-73-7	<1900	1900	
4-Nitroaniline	100-01-6	<9700	9700	
4,6-Dinitro-2-methylphenol	534-52-1	<9700	9700	
N-Nitrosodiphenylamine (1)	86-30-6	<1900	1900	
4-Bromophenyl-phenylether	101-55-3	<1900	1900	
Hexachlorobenzene	118-74-1	<1900	1900	
Pentachlorophenol	87-86-5	<9700	9700	
Phenanthrene	85-01-8	630	1900	J
Anthracene	120-12-7	<1900	1900	
Carbazole	86-74-8	<1900	1900	
Di-n-butylphthalate	84-74-2	<1900	1900	
Fluoranthene	206-44-0	1100	1900	J
Pyrene	129-00-0	530	1900	J
Butylbenzylphthalate	85-68-7	<1900	1900	
3,3'-Dichlorobenzidine	91-94-1	<3800	3800	
Benzo(a)anthracene	56-55-3	270	1900	J
Chrysene	218-01-9	430	1900	J
bis(2-Ethylhexyl)phthalate	117-81-7	<1900	1900	
Di-n-octylphthalate	117-84-0	<1900	1900	
Benzo(b)fluoranthene	205-99-2	470	1900	J
Benzo(k)fluoranthene	207-08-9	270	1900	J
Benzo(a)pyrene	50-32-8	240	1900	J
Indeno(1,2,3-cd)pyrene	193-39-5	200	1900	J
Dibenz(a,h)anthracene	53-70-3	<1900	1900	
Benzo(g,h,i)perylene	191-24-2	240	1900	J

SEMIVOLATILE ORGANIC ANALYSIS RESULTS
FOR ANALYSES USING METHOD 8270
TENTATIVELY IDENTIFIED COMPOUNDS

Client Sample ID: B0DMX3	LAL Sample ID: L3680-16
Date Received: 19-JAN-95	Date Analyzed: 26-JAN-95
Matrix: SOIL	Dilution Factor: 1
Analytical Batch: 012695-8270-L	QC Batch ID: 8270 SEMIVOLATILES_18194

Tentatively Identified Compound	Estimated Concentration (µg/Kg)	Retention Time (minutes)	Data Qualifier(s)
HYDROCARBON	11,000	9.91	J
HYDROCARBON	950	10.28	J
HYDROCARBON	880	14.88	J
HYDROCARBON	870	15.29	
HYDROCARBON	1500	15.95	J
PHENOL, 2,2-METHYLENE BIS [6-(1,1-DIMETHYLETHYL)-4-ETHYL-	1400	16.20	J
HYDROCARBON	890	16.58	J
UNKNOWN	1300	17.14	J
UNKNOWN	880	17.35	J
UNKNOWN	1600	18.14	J
UNKNOWN	3000	18.37	J
UNKNOWN	1600	18.99	J
SUBSTITUTED PAH	2300	19.61	J
SUBSTITUTED PAH	4000	20.08	J
UNKNOWN	2900	21.10	J

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0DMX2	LAL Sample ID:	L3680-6
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	02-FEB-95	Analytical Batch ID:	020195-8080-A-1
Date Extracted:	22-JAN-95	Analytical Dilution:	10
Matrix:	Soil	Preparation Dilution:	1.9
Percent Moisture:	36.87	QC Group:	8080 PEST/PCBS_18195

SURROGATE RECOVERY (%)		
		QC Limits
TCMX	91	60-150
DCB	100	60-150

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s
A-BHC	319-84-6	<51.	51.	
B-BHC	319-85-7	<51.	51.	
G-BHC	58-89-9	<51.	51.	
D-BHC	319-86-8	<51.	51.	
Heptachlor	76-44-8	<51.	51.	
Aldrin	309-00-2	<51.	51.	
Heptachlor Epoxide	1024-57-3	<51.	51.	
G-Chlordane	5103-74-2	<51.	51.	
Endosulfan I	959-98-8	<51.	51.	
A-Chlordane	5103-71-9	<51.	51.	
4,4'-DDE	72-55-9	<99.	99.	
4,4'-DDT	50-29-3	<99.	99.	
Dieldrin	60-57-1	<99.	99.	
Endrin	72-20-8	<99.	99.	
Endosulfan II	33213-65-9	<99.	99.	
4,4'-DDD	72-54-8	<99.	99.	
Endrin Aldehyde	7421-36-3	<99.	99.	
Endosulfan Sulfate	1031-07-8	<99.	99.	
Methoxychlor	72-43-5	<510	510	
Toxaphene	8001-35-2	<5100	5100	
PCB-1016	12674-11-2	<390	390	
PCB-1221	11104-28-2	<390	390	
PCB-1232	11141-16-5	<390	390	
PCB-1242	53469-21-9	<390	390	
PCB-1248	12672-29-6	<390	390	
PCB-1254	11097-69-1	2000	390	
PCB-1260	11096-82-5	2000	390	
Chlordane (Technical)	57-74-9	<1200	1200	

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LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0DMX3	LAL Sample ID:	L3680-17
Date Collected:	17-JAN-95	Date Received:	19-JAN-95
Date Analyzed:	02-FEB-95	Analytical Batch ID:	020195-8080-A-1
Date Extracted:	22-JAN-95	Analytical Dilution:	10
Matrix:	Soil	Preparation Dilution:	0.53
Percent Moisture:	66.57	QC Group:	8080 PEST/PCBS_18195

SURROGATE RECOVERY (%)		
		QC Limits
TCMX	104	60-150
DCB	102	60-150

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s
A-BHC	319-84-6	<27.	27.	
B-BHC	319-85-7	<27.	27.	
G-BHC	58-89-9	<27.	27.	
D-BHC	319-86-8	<27.	27.	
Heptachlor	76-44-8	<27.	27.	
Aldrin	309-00-2	<27.	27.	
Heptachlor Epoxide	1024-57-3	<27.	27.	
G-Chlordane	5103-74-2	<27.	27.	
Endosulfan I	959-98-8	<27.	27.	
A-Chlordane	5103-71-9	<27.	27.	
4,4'-DDE	72-55-9	<53.	53.	
4,4'-DDT	50-29-3	<53.	53.	
Dieldrin	60-57-1	<53.	53.	
Endrin	72-20-8	<53.	53.	
Endosulfan II	33213-65-9	<53.	53.	
4,4'-DDD	72-54-8	<53.	53.	
Endrin Aldehyde	7421-36-3	<53.	53.	
Endosulfan Sulfate	1031-07-8	<53.	53.	
Methoxychlor	72-43-5	<270	270	
Toxaphene	8001-35-2	<2700	2700	
PCB-1016	12674-11-2	<210	210	
PCB-1221	11104-28-2	<210	210	
PCB-1232	11141-16-5	<210	210	
PCB-1242	53469-21-9	<210	210	
PCB-1248	12672-29-6	<210	210	
PCB-1254	11097-69-1	11000	210	
PCB-1260	11096-82-5	11000	210	
Chlordane (Technical)	57-74-9	<640	640	

RAD DATA REPORT (ra01)

Bechtel Hanford, Inc. * Richland, WA

Bechtel Hanford Project (Project BECHTEL-HANFORD)

Client Sample ID: B0DMX2 | LAL Sample ID: L3680-11

Date Collected: 17-JAN-95 | Date Received: 19-JAN-95

Matrix: Soil | Login Number: L3680

Constituent	Analyzed	Batch	Activity	Error	MDA	DataQual	Units
Gross Alpha	26-JAN-95	GR ALP/BETA LAL-0061_18164	5.3	3.9	5.1	C	pCi/g
Gross Beta	26-JAN-95	GR ALP/BETA LAL-0061_18164	19.7	4.4	5.5		pCi/g

RAD DATA REPORT (ra01)

Bechtel Hanford, Inc. * Richland, WA

Bechtel Hanford Project (Project BECHTEL-HANFORD)

Client Sample ID: BODMX2 | LAL Sample ID: L3680-12

Date Collected: 17-JAN-95 | Date Received: 19-JAN-95

Matrix: Soil | Login Number: L3680

Constituent	Analyzed	Batch	Activity	Error	MDA	DataQual	Units
Ac-228	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.55	0.25	0.38		pCi/g
Co-58	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.016	0.050	0.085		pCi/g
Co-60	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.510	0.086	0.077		pCi/g
Cs-137	27-JAN-95	GAMMA SPEC LAL-0064_18169	2.15	0.26	0.079		pCi/g
Eu-152	27-JAN-95	GAMMA SPEC LAL-0064_18169	1.41	0.21	0.29		pCi/g
Eu-154	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.14	0.17	0.33		pCi/g
Eu-155	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.057	0.094	0.16		pCi/g
Fe-59	27-JAN-95	GAMMA SPEC LAL-0064_18169	-0.005	0.057	0.16		pCi/g
Pb-212	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.72	0.13	0.11		pCi/g
Pb-214	27-JAN-95	GAMMA SPEC LAL-0064_18169	0.62	0.13	0.15		pCi/g
Ra-226(GAMMA)	27-JAN-95	GAMMA SPEC LAL-0064_18169	2.8	1.1	1.3		pCi/g
U-235(GAMMA)	27-JAN-95	GAMMA SPEC LAL-0064_18169	-0.15	0.21	0.37		pCi/g

RAD DATA REPORT (ra01)

Bechtel Hanford, Inc. * Richland, WA

Bechtel Hanford Project (Project BECHTEL-HANFORD)

Client Sample ID: BODMX3 | LAL Sample ID: L3680-22

Date Collected: 17-JAN-95 | Date Received: 19-JAN-95

Matrix: Soil | Login Number: L3680

Constituent	Analyzed	Batch	Activity	Error	MDA	DataQual	Units
Gross Alpha	26-JAN-95	GR ALP/BETA LAL-0061_18164	18.2	6.3	5.2	C	pCi/g
Gross Beta	26-JAN-95	GR ALP/BETA LAL-0061_18164	23.0	4.6	5.5		pCi/g

RAD DATA REPORT (ra01)

Bechtel Hanford, Inc. * Richland, WA

Bechtel Hanford Project (Project BECHTEL-HANFORD)

Client Sample ID: B0DMX3

Date Collected: 17-JAN-95

Matrix: Soil

LAL Sample ID: L3680-23

Date Received: 19-JAN-95

Login Number: L3680

Constituent	Analyzed	Batch	Activity	Error	MDA	DataQual	Units
Ac-228	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.89	0.36	0.56		pCi/g
Co-58	30-JAN-95	GAMMA SPEC LAL-0064_18169	-0.006	0.065	0.12		pCi/g
Co-60	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.75	0.12	0.13		pCi/g
Cs-137	30-JAN-95	GAMMA SPEC LAL-0064_18169	2.56	0.33	0.13		pCi/g
Eu-152	30-JAN-95	GAMMA SPEC LAL-0064_18169	2.09	0.30	0.44		pCi/g
Eu-154	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.28	0.25	0.52		pCi/g
Eu-155	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.21	0.17	0.22		pCi/g
Fe-59	30-JAN-95	GAMMA SPEC LAL-0064_18169	-0.009	0.095	0.28		pCi/g
Pb-212	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.85	0.19	0.20		pCi/g
Pb-214	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.77	0.19	0.22		pCi/g
Ra-226(GAMMA)	30-JAN-95	GAMMA SPEC LAL-0064_18169	-0.5	1.6	2.1		pCi/g
U-235(GAMMA)	30-JAN-95	GAMMA SPEC LAL-0064_18169	0.50	0.35	0.47		pCi/g

AMPLE STATUS REPORT FOR N 4306. RAD SCREEN BODMR2 TIME: 1/18/95 7:5
DISPATCHED: 1/10/95 10:27 SAMPLE HAS NOT BEEN SLURPED PAGE 1
RECEIVED: 1/18/95 7:53

EXT.	DETER.	RESULTS OR STATUS	OUT OF RANGE?	GOOD ANS?	CHARGE CODE
****	********	**********	***	***	******
4271	TOT-ACT	< 5.00000E 01 pCi/G	N	Y	XR5442

END OF REPORT

BODMX2
BW
1-18-95

25

01195

AMPLE STATUS REPORT FOR N 4307. RAD SCREEN BODMR3 TIME: 1/18/95 7:57
DISPATCHED: 1/10/95 10:27 SAMPLE HAS NOT BEEN SLURPED PAGE 1
RECEIVED: 1/18/95 7:54

EXT.	DETER.	RESULTS OR STATUS	OUT OF RANGE?	GOOD ANS?	CHARGE CODE
****	********	**********	***	***	******
4271	TOT-ACT	< 5.00000E 01 pCi/G	N	Y	XR5442

END OF REPORT

BODMX3
BW
1-18-95

Lockheed Analytical Services

CASE NARRATIVE
INORGANIC NON METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), duplicate sample(s).

Preparation and Analysis Requirements

- One soil sample was received for LK3737 and prepared as part of batch 119WH and as batch 131wh and analyzed for selected analytes as requested on the chain of custody. Quality control analyses were performed on the following samples:

BATCH 119WH:

Client ID	LAL #		Method
BODMX2	L3680-8	MS, DUP	9020M EXTRACTABLE ORGANIC HALIDES

BATCH 131WH:

Client ID	LAL #		Method
BODMX4	L3737-8	MS,DUP	300.0 CHLORIDE, FLUORIDE, NITRATE-N, NITRITE-N, ORTHOPHOSPHATE, AND SULFATE
	L3737-9	MS,DUP	353.2 NITRATE-NITRITE-NITROGEN
	L3737-6	MS,DUP	9030 SULFIDE

Holding Time Requirements

- All samples were analyzed within the specified holding time.

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits, except the following:

Method 9020M Extractable Organic Halides: The duplicate sample precision was outside of acceptance limits. Poor duplicate sample precision may be attributed to inhomonogenity. Therefore, some variability may exist in sample results due to this inconsistency. The affected samples are flagged with an "*".

Method 9030 Sulfide: The matrix spike recovered outside the control limits for Sulfide. However, the acceptable recovery for the LCS for Sulfide indicated that the analytical system was operating correctly and that the out-of-control recovery may be attributed to matrix interferences. The affected samples are flagged with an "N".

Kay McCann	March 1, 1995
Prepared By	**Date**

CASE NARRATIVE
INORGANIC METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), duplicate sample(s).

Holding Times-

All samples were analyzed within the method-specific holding times.

Method Blanks-

The method blanks were free of contamination.

Internal Quality Control-

All Internal Quality Control were within acceptance limits with the following exception: The matrix spike recovery for antimony (73%) was outside of the ±25% acceptance limits. The recovery based on the LCS Solid (60% antimony) was within the manufacturers control limits (ERA Lot #219).

For sodium, the soil LCS (ERA Lot #219) recovery exceeded the manufacturer's advisory limits. The recovery is the result of the low true concentration (i.e., less than the reporting detection limit) for the standard. Signals detected below the RDL consists primarily of noise.

Sample Results-

Results are reported on a dry weight basis.

Shellee McGrath
Prepared By

February 23, 1995
Date

CASE NARRATIVE
ORGANIC ANALYSES

Analytical Method 8240 Volatiles

Analytical Batch 020995-8240-J1

The associated client sample was analyzed within holding time on February 09, 1995. All instrument tunes, initial and continuing calibrations were within QC criteria. Acetone and 2-Butanone were detected in the method blank (18944MB) at concentrations which were less than five times (5x) the Practical Quantitation Limits (PQL). One tentatively identified compound (TIC) was also detected in the method blank. All associated samples with detected target compounds and TIC as in the method blank were flagged with the qualifier "**B**". Surrogate recoveries were within QC limits for all associated samples analyzed. All compound recoveries in the matrix spike (18944MS), matrix spike duplicate (18944MSD) and laboratory control sample (18944LCS) were within QC limits. All relative percent differences (RPDs) between the MS and MSD recoveries were within QC limits for each spiked compound. All internal standard area counts and retention times were within QC limits for all associated samples analyzed. Target compounds and TICs were not detected in the associated client sample analyzed.

Analytical Method 8270 Semivolatiles

Analytical Batch 020795-8270-L

The associated client sample was extracted within holding time on February 02, 1995 and analyzed within holding time on February 07, 1995. All instrument tunes, initial and continuing calibrations were within QC criteria. Target compounds were not detected in the method blank (18560MB) but one tentatively identified compound (TIC) was detected. All associated samples with detected TIC as in the method blank were flagged with the qualifier "**B**". Surrogate recoveries were within QC limits for all associated samples analyzed. All compound recoveries in the matrix spike (18560MS), matrix spike duplicate (18560MSD) and laboratoty control sample (18560LCS) were within QC limits. All relative percent differences (RPDs) between the MS and MSD recoveries were within QC limits for each spiked compound. All internal standard area counts and retention times were within QC limits for all associated samples analyzed. Target compounds and TICs were not detected in the associated client sample analyzed.

Analytical Method 8080 Pesticides/PCBs

Analytical Batch 020895-8080-E1

The associated client sample was extracted within holding time on February 01, 1995 and analyzed within holding time on February 09, 1995. All initial and continuing calibrations and retention time checks were within QC criteria. Target compounds were not detected in the method blank (18561MB). Surrogate recoveries were within QC limits for all associated samples analyzed. All compound recoveries in the matrix spike (18561MS), matrix spike duplicate (18561MSD) and laboratory control sample (18561LCS) were within QC limits. All relative percent differences (RPDs) between the MS and MSD recoveries were within QC limits for each spiked compound. Target compounds were not detected in the associated client sample analyzed.

Lydia M. Coleman
Prepared By

March 6, 1995
Date

CASE NARRATIVE
RADIOCHEMICAL ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument calibration, initial and continuing calibration verification, quench monitoring standards, instrument background analysis, method blanks, yield tracer, laboratory control samples, matrix spike samples, duplicate samples.

Holding Time Requirements

All holding time requirements were met.

Chemical Recoveries and MDAs, when applicable, are located on the sample preparation sheets and the calculation sheets (respectively) of the attached data for each method.

Analytical Method

Gamma Spectrum Analysis

The gamma spectrum analysis was performed using LAL-91-SOP-0064. No problems were encountered during analysis. All QC criteria were met.

Gross Alpha Beta

The gross alpha beta analysis was performed using LAL-91-SOP-0061. The alpha matrix spike was out of limits; however, since the LCS recovery was within limits, the data is considered acceptable. All other QC criteria were met.

Yvonne M. Jacoby
Prepared By

March 6, 1995
Date

SAMPLE AND DATA MANAGEMENT

RECORD OF DISPOSITION

ROD-B95-016
Record of Disposition No.

DATE: 01/31/95	LABORATORY: Lockheed
PROJECT TITLE/NO.: 100-D Ponds/B94-098	NCR NO.: N/A

SAMPLE IDENTIFICATION NUMBERS:

1) B0DMX2, B0DMX3 (1 SDG, summary deliverable)

2) B0DMX4 (1 SDG, summary deliverable)

DESCRIPTION OF EVENT:

1) These samples were collected in the first phase of the sampling event. They were analyzed together in one batch with one set of QC.

2) This sample was collected in the second phase of the sampling event. It was analyzed in one batch with one set of QC.

SAF requests all data packages be standalone; both packages should be summary.

DISPOSITION OF SAMPLES:

1) Results for samples B0DMX2 and B0DMX3 should be reported in one summary data package.

2) Results from sample B0DMX4 should be reported in one summary data package.

APPROVAL SIGNATURES:

K. C. Smith/ [signature] — 1/31/95
OSM Project Coordinator (Print/Sign Name) — Date

M.T. Stankovich/ [signature] — 2/13/95
Technical Representative (Print/Sign Name) — Date

N/A
Quality Assurance (Print/Sign Name) — Date

SAMPLE AND DATA MANAGEMENT

RECORD OF DISPOSITION

ROD-B95-024
Record of Disposition No.

DATE: 01/31/95	LABORATORY: Lockheed
PROJECT TITLE/NO.: 100-HR-3 Groundwater/B94-127; 100-D Ponds/B94-098	NCR NO.: N/A

SAMPLE IDENTIFICATION NUMBERS:

B0DR05 (SAF-B94-127)

B0DMX2, B0DMX3, B0DMX4 (SAF-B94-098)

DESCRIPTION OF EVENT:

SAFs and COCs request nitrate/nitrite by method 353.1. The lab would prefer to use method 353.2.

DISPOSITION OF SAMPLES:

Proceed with nitrate/nitrite analyses by 353.2. Note in case narratives.

APPROVAL SIGNATURES:

R. C. Smith/ _____ 1/31/95
OSM Project Coordinator (Print/Sign Name) Date

M. T. Stankovich/ _____ 2/23/95
Technical Representative (Print/Sign Name) Date

N/A
Quality Assurance (Print/Sign Name) Date

LOCKHEED ANALYTICAL SERVICES

COMMON IONS AND ADDITIONAL ANALYTES

Sample Results

Client Sample ID: BODMX4	Date Collected: 27-JAN-95
Matrix: Soil	Date Received: 31-JAN-95

Constituent	Units	Method	Result	Reporting Det Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Chloride	mg/kg	300.0	0.74	0.2		03-FEB-95	18718	L3737-8
Fluoride	mg/kg	300.0	1.2	0.1		13-FEB-95	18719	L3737-8
Nitrate-N	mg/kg	300.0	0.57	0.2		03-FEB-95	18716	L3737-8
Nitrite-N	mg/kg	300.0	< 0.1	0.1		03-FEB-95	18717	L3737-8
Ortho Phosphate	mg/kg	300.0	< 1	1		14-FEB-95	18720	L3737-8
Sulfate	mg/kg	300.0	46.	1		03-FEB-95	18721	L3737-8
Nitrate-Nitrite-Nitrogen	mg/kg	353.2	1.1	0.1		09-FEB-95	18722	L3737-9
Extractable Organic Halides	mg/kg	9020M	12.	6	*	02-FEB-95	18171	L3737-7
Sulfide	mg/kg	9030	< 60	60	N	03-FEB-95	18653	L3737-6

TOTAL METALS RESULTS

Client Sample ID: BODMX4	Date Collected: 01-27-95	Matrix: soil
LAL Batch ID(s): 131 wh	Date Received: 01-31-95	Percent Solids: 93.6

Constituents	Method	Concentration (mg/kg)	IDL (mg/kg)	RDL (mg/kg)	Data Qualifier(s)	Date Analyzed	LAL ID
Aluminum	6010	5100	15	43		02-13-95	L3737-2
Antimony	6010	<11	11	13	U N	02-13-95	L3737-2
Arsenic	7060	1.0	0.32	2.1	B	02-13-95	L3737-2
Barium	6010	110	6.4	43		02-13-95	L3737-2
Beryllium	6010	0.31	0.21	1.1	B	02-13-95	L3737-2
Cadmium	6010	<0.85	0.85	1.1	U	02-13-95	L3737-2
Calcium	6010	4700	11	1100*		02-13-95	L3737-2
Chromium	6010	4.2	0.64	2.1		02-13-95	L3737-2
Cobalt	6010	8.1	1.7	11	B	02-13-95	L3737-2
Copper	6010	15	0.85	5.3		02-13-95	L3737-2
Iron	6010	30,000	2.1	21		02-13-95	L3737-2
Lead	7421	2.1	0.43	0.64		02-14-95	L3737-2
Magnesium	6010	4500	13	1100		02-13-95	L3737-2
Manganese	6010	390	0.43	3.2		02-13-95	L3737-2
Nickel	6010	8.8	2.6	8.5		02-13-95	L3737-2
Potassium	6010	400	145	1100	B	02-13-95	L3737-2
Selenium	7740	<0.64	0.64	1.1	U	02-13-95	L3737-2
Silver	6010	<1.7	1.7	2.1	U	02-13-95	L3737-2
Sodium	6010	510	6.4	1100	B	02-13-95	L3737-2
Thallium	7841	<0.85	0.85	2.1	U	02-13-95	L3737-2
Vanadium	6010	75	2.6	11		02-13-95	L3737-2
Zinc	6010	55	2.4	4.3		02-13-95	L3737-2

Comments:

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	BODMX4	LAL Sample ID:	L3737-3
Date Collected:	27-JAN-95	Date Received:	31-JAN-95
Date Analyzed:	09-FEB-95	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	020995-8240-J1
Percent Moisture:	6.39	Preparation Dilution:	1.00

SURROGATE RECOVERY (%)		
		QC Limits
1,2-Dichloroethane-d4	98	70-121
Toluene-d8	101	81-117
Bromofluorobenzene	86	74-121

CONSTITUENT	CAS NO.	RESULT ug/kg	PRACTICAL QUANTITATION LIMIT ug/kg	DATA QUALIFIER(
Chloromethane	74-87-3	<5.4	5.4	
Vinyl Chloride	75-01-4	<5.4	5.4	
Bromomethane	74-83-9	<5.4	5.4	
Chloroethane	75-00-3	<5.4	5.4	
Trichlorofluoromethane	75-69-4	<5.4	5.4	
Acetone	67-64-1	<11.	11.	
1,1-Dichloroethene	75-35-4	<5.4	5.4	
Carbon Disulfide	75-15-0	<5.4	5.4	
Methylene Chloride	75-09-2	<5.4	5.4	
trans-1,2-Dichloroethene	156-50-5	<5.4	5.4	
Vinyl Acetate	108-05-4	<11.	11.	
1,1-Dichloroethane	75-34-3	<5.4	5.4	
2-Butanone	78-93-3	<11.	11.	
cis-1,2-Dichloroethene	156-59-2	<5.4	5.4	
Chloroform	67-66-3	<5.4	5.4	
1,1,1-Trichloroethane	71-55-6	<5.4	5.4	
Carbon tetrachloride	56-23-5	<5.4	5.4	
1,2-Dichloroethane	107-06-2	<5.4	5.4	
Benzene	71-43-2	<5.4	5.4	
Trichloroethene	79-01-6	<5.4	5.4	
1,2-Dichloropropane	78-87-5	<5.4	5.4	
Bromodichloromethane	75-27-4	<5.4	5.4	
4-Methyl-2-Pentanone	108-10-1	<11.	11.	
cis-1,3-Dichloropropene	10061-01-5	<5.4	5.4	
Toluene	108-88-3	<5.4	5.4	
trans-1,3-Dichloropropene	10061-02-6	<5.4	5.4	
1,1,2-Trichloroethane	79-00-5	<5.4	5.4	
Tetrachloroethene	127-18-4	<5.4	5.4	
Dibromochloromethane	124-48-1	<5.4	5.4	
Chlorobenzene	108-90-7	<5.4	5.4	
Ethylbenzene	100-41-4	<5.4	5.4	
m,p-Xylene	1330-20-7	<5.4	5.4	
o-Xylene	95-47-6	<5.4	5.4	
Styrene	100-42-5	<5.4	5.4	
Bromoform	75-25-2	<5.4	5.4	
1,1,2,2-Tetrachloroethane	79-34-5	<5.4	5.4	
1,3-Dichlorobenzene	541-73-1	<5.4	5.4	
1,4-Dichlorobenzene	106-46-7	<5.4	5.4	
1,2-Dichlorobenzene	95-50-1	<5.4	5.4	

VOLATILE ORGANIC ANALYSIS RESULTS
FOR ANALYSES USING METHOD 8240
TENTATIVELY IDENTIFIED COMPOUNDS

Client Sample ID: BODMX4	LAL Sample ID: L3737-3
Date Received: 31-JAN-95	Date Analyzed: 09-FEB-95
Matrix: SOIL	Dilution Factor: 1
Analytical Batch: 020995-8240-J1	QC Batch ID: 020995-8240

Tentatively Identified Compound	Estimated Concentration (µg/Kg)	Retention Time (minutes)	Data Qualifier(s)
NONE DETECTED			

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	BODMX4	LAL Sample ID:	L3737-4
Date Collected:	27-JAN-95	Date Received:	31-JAN-95
Date Analyzed:	07-FEB-95	Date Extracted:	02-FEB-95
Matrix:	Soil	Analytical Batch ID:	020795-8270-L
QC Group:	8270 SEMI-VOLATILES_18560	Analytical Dilution:	1
Percent Moisture:	6.39	Preparation Dilution:	0.996

SURROGATE RECOVERY (%)		
		QC Limits
2-Fluorophenol	71	25-121
Phenol-d5	76	24-113
Nitrobenzene-d5	62	23-120
2-Fluorobiphenyl	69	30-115
2,4,6-Tribromophenol	79	19-122
Terphenyl-d14	89	18-137

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s)
Phenol	108-95-2	<700	700	
bis(2-Chloroethyl)ether	111-44-4	<700	700	
2-Chlorophenol	95-57-8	<700	700	
1,3-Dichlorobenzene	541-73-1	<700	700	
1,4-Dichlorobenzene	106-46-7	<700	700	
Benzyl alcohol	100-51-6	<1400	1400	
1,2-Dichlorobenzene	95-50-1	<700	700	
2-Methylphenol	95-48-7	<700	700	
bis(2-chloroisopropyl)ether	39638-32-9	<700	700	
4-Methylphenol	106-44-5	<700	700	
N-Nitroso-di-n-propylamine	621-64-7	<700	700	
Hexachloroethane	67-72-1	<700	700	
Nitrobenzene	98-95-3	<700	700	
Isophorone	78-59-1	<700	700	
2-Nitrophenol	88-75-5	<700	700	
2,4-Dimethylphenol	105-67-9	<700	700	
Benzoic acid	65-85-0	<3500	3500	
bis(2-Chloroethoxy)methane	111-91-1	<700	700	
2,4-Dichlorophenol	120-83-2	<700	700	
1,2,4-Trichlorobenzene	120-82-1	<700	700	
Naphthalene	91-20-3	<700	700	
4-Chloroaniline	106-47-8	<1400	1400	
Hexachlorobutadiene	87-68-3	<700	700	
4-Chloro-3-methylphenol	59-50-7	<1400	1400	
2-Methylnaphthalene	91-57-6	<700	700	
Hexachlorocyclopentadiene	77-47-4	<700	700	
2,4,6-Trichlorophenol	88-06-2	<700	700	
2,4,5-Trichlorophenol	95-95-4	<700	700	
2-Chloronaphthalene	91-58-7	<700	700	
2-Nitroaniline	88-74-4	<3500	3500	
Dimethylphthalate	131-11-3	<700	700	
Acenaphthylene	208-96-8	<700	700	
2,6-Dinitrotoluene	606-20-2	<700	700	
3-Nitroaniline	99-09-2	<3500	3500	
Acenaphthene	83-32-9	<700	700	
2,4-Dinitrophenol	51-28-5	<3500	3500	
4-Nitrophenol	100-02-7	<3500	3500	

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	BODMX4	LAL Sample ID:	L3737-4
Date Collected:	27-JAN-95	Date Received:	31-JAN-95
Date Analyzed:	07-FEB-95	Date Extracted:	02-FEB-95
Matrix:	Soil	Analytical Batch ID:	020795-8270-L
QC Group:	8270 SEMI-VOLATILES_18560	Analytical Dilution:	1
Percent Moisture:	6.39	Preparation Dilution:	0.996

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s
Dibenzofuran	132-64-9	<700	700	
2,4-Dinitrotoluene	121-14-2	<700	700	
Diethylphthalate	84-66-2	<700	700	
4-Chlorophenyl-phenylether	7005-72-3	<700	700	
Fluorene	86-73-7	<700	700	
4-Nitroaniline	100-01-6	<3500	3500	
4,6-Dinitro-2-methylphenol	534-52-1	<3500	3500	
N-Nitrosodiphenylamine (1)	86-30-6	<700	700	
4-Bromophenyl-phenylether	101-55-3	<700	700	
Hexachlorobenzene	118-74-1	<700	700	
Pentachlorophenol	87-86-5	<3500	3500	
Phenanthrene	85-01-8	<700	700	
Anthracene	120-12-7	<700	700	
Carbazole	86-74-8	<700	700	
Di-n-butylphthalate	84-74-2	<700	700	
Fluoranthene	206-44-0	<700	700	
Pyrene	129-00-0	<700	700	
Butylbenzylphthalate	85-68-7	<700	700	
3,3'-Dichlorobenzidine	91-94-1	<1400	1400	
Benzo(a)anthracene	56-55-3	<700	700	
Chrysene	218-01-9	<700	700	
bis(2-Ethylhexyl)phthalate	117-81-7	<700	700	
Di-n-octylphthalate	117-84-0	<700	700	
Benzo(b)fluoranthene	205-99-2	<700	700	
Benzo(k)fluoranthene	207-08-9	<700	700	
Benzo(a)pyrene	50-32-8	<700	700	
Indeno(1,2,3-cd)pyrene	193-39-5	<700	700	
Dibenz(a,h)anthracene	53-70-3	<700	700	
Benzo(g,h,i)perylene	191-24-2	<700	700	

SEMIVOLATILE ORGANIC ANALYSIS RESULTS
FOR ANALYSES USING METHOD 8270
TENTATIVELY IDENTIFIED COMPOUNDS

Client Sample ID: B0DMX4	LAL Sample ID: L3737-4
Date Received: 31-JAN-95	Date Analyzed: 07-FEB-95
Matrix: SOIL	Dilution Factor: 1
Analytical Batch: 020795-8270-L	QC Batch ID: 8270 SEMIVOLATILES_18560

Tentatively Identified Compound	Estimated Concentration (µg/Kg)	Retention Time (minutes)	Data Qualifier(s)
NONE DETECTED			

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	BODMX4	LAL Sample ID:	L3737-5
Date Collected:	27-JAN-95	Date Received:	31-JAN-95
Date Analyzed:	09-FEB-95	Analytical Batch ID:	020895-8080-E-1
Date Extracted:	01-FEB-95	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	6.39	QC Group:	8080 PEST/PCBS_18561

SURROGATE RECOVERY (%)		
		QC Limits
TCMX	66	60-150
DCB	86	60-150

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(
A-BHC	319-84-6	<1.9	1.9	
B-BHC	319-85-7	<1.9	1.9	
G-BHC	58-89-9	<1.9	1.9	
D-BHC	319-86-8	<1.9	1.9	
Heptachlor	76-44-8	<1.9	1.9	
Aldrin	309-00-2	<1.9	1.9	
Heptachlor Epoxide	1024-57-3	<1.9	1.9	
G-Chlordane	5103-74-2	<1.9	1.9	
Endosulfan I	959-98-8	<1.9	1.9	
A-Chlordane	5103-71-9	<1.9	1.9	
4,4'-DDE	72-55-9	<3.6	3.6	
4,4'-DDT	50-29-3	<3.6	3.6	
Dieldrin	60-57-1	<3.6	3.6	
Endrin	72-20-8	<3.6	3.6	
Endosulfan II	33213-65-9	<3.6	3.6	
4,4'-DDD	72-54-8	<3.6	3.6	
Endrin Aldehyde	7421-36-3	<3.6	3.6	
Endosulfan Sulfate	1031-07-8	<3.6	3.6	
Methoxychlor	72-43-5	<19.	19.	
Toxaphene	8001-35-2	<190	190	
PCB-1016	12674-11-2	<14.	14.	
PCB-1221	11104-28-2	<14.	14.	
PCB-1232	11141-16-5	<14.	14.	
PCB-1242	53469-21-9	<14.	14.	
PCB-1248	12672-29-6	<14.	14.	
PCB-1254	11097-69-1	<14.	14.	
PCB-1260	11096-82-5	<14.	14.	
Chlordane (Technical)	57-74-9	<44.	44.	

RAD DATA REPORT (ra01)

Bechtel Hanford, Inc. * Richland, WA

Bechtel Hanford Project (Project BECHTEL-HANFORD)

Client Sample ID: BODMX4 | LAL Sample ID: L3737-10

Date Collected: 27-JAN-95 | Date Received: 31-JAN-95

Matrix: Soil | Login Number: L3737

Constituent	Analyzed	Batch	Activity	Error	MDA	DataQual	Units
Gross Alpha	23-FEB-95	GR ALP/BETA LAL-0061_18960	6.8	4.6	5.9	C	pCi/g
Gross Beta	23-FEB-95	GR ALP/BETA LAL-0061_18960	31.8	5.2	5.7	C	pCi/g

RAD DATA REPORT (ra01)

Bechtel Hanford, Inc. * Richland, WA

Bechtel Hanford Project (Project BECHTEL-HANFORD)

Client Sample ID: BODMX4 | LAL Sample ID: L3737-11

Date Collected: 27-JAN-95 | Date Received: 31-JAN-95

Matrix: Soil | Login Number: L3737

Constituent	Analyzed	Batch	Activity	Error	MDA	DataQual	Units
Ac-228(Ra-228)	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.445	0.095	0.12		pCi/g
Co-58	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.014	0.015	0.023		pCi/g
Co-60	16-FEB-95	GAMMA SPEC LAL-0064_18954	-0.003	0.011	0.029		pCi/g
Cs-137	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.021	0.023	0.031		pCi/g
Eu-152	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.021	0.037	0.12		pCi/g
Eu-154	16-FEB-95	GAMMA SPEC LAL-0064_18954	-0.025	0.049	0.12		pCi/g
Eu-155	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.040	0.046	0.076		pCi/g
Fe-59	16-FEB-95	GAMMA SPEC LAL-0064_18954	-0.003	0.024	0.056		pCi/g
Pb-212	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.428	0.067	0.051		pCi/g
Pb-214(Ra-226)	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.313	0.055	0.057		pCi/g
Ra-226(GAMMA)	16-FEB-95	GAMMA SPEC LAL-0064_18954	0.70	0.42	0.57		pCi/g
U-235(GAMMA)	16-FEB-95	GAMMA SPEC LAL-0064_18954	-0.026	0.094	0.16		pCi/g

Quanterra Incorporated
2800 George Washington Way
Richland, Washington 99352

509 375-3131 Telephone
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Quanterra Environmental Services

W 0403

CERTIFICATE OF ANALYSIS

Bechtel Hanford, Inc.
345 Hills
Richland, WA 99352

March 16, 1995

Attention: Joan Kessner

MAR 1995
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Data
Log In

SAF Number	:	B94-098
Date SDG Closed	:	February 1, 1995
Number of Samples	:	Eighteen (18) - See ROD-B95-013
Sample Type	:	Soil
SDG Number	:	W0403
Data Deliverable	:	Summary

I. Introduction

On January 30, and February 1, 1995, nineteen soil samples were received by the Quanterra Environmental Services Richland Laboratory (QTESRL) for radiochemical analysis. After receipt, per ROD-B95-013, the samples were split into two separate SDGs for reporting purposes. The samples were assigned the following laboratory ID numbers to correspond with the Bechtel Hanford, Inc. (BHI) specific IDs:

QTESRL ID	BHI ID	Matrix	Date of Receipt
50151801	B0DMS4	Soil	1/30/95
50151802	B0DMR9	Soil	1/30/95
50151803	B0DMT0	Soil	1/30/95
50151804	B0DMR6	Soil	1/30/95
50151805	B0DMR7	Soil	1/30/95
50151806	B0DMS6	Soil	1/30/95
50151807	B0DMT1	Soil	1/30/95
50151808	B0DMS8	Soil	1/30/95
50151809	B0DMT7	Soil	1/30/95
50151810	B0DMS0	Soil	1/30/95

QTESRL ID	BHI ID	Matrix	Date of Receipt
50151811	B0DMS7	Soil	1/30/95
50151813	B0DMR4	Soil	1/30/95
50151814	B0DMR5	Soil	1/30/95
50151815	B0DMX5	Soil	1/30/95
50151816	B0DMS3	Soil	1/30/95
50202001	B0DMV0	Soil	2/01/95
50202002	B0DMV1	Soil	2/01/95
50202003	B0DMV2	Soil	2/01/95

II. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Gamma Spectroscopy
Gamma Scan by method ITAS-RD-3219
Gas Proportional Counting
Gross Alpha by method ITAS-RD-3222
Gross Beta by method ITAS-RD-3222

III. Quality Control

The analytical results for each analysis performed under SDG W0403 include a minimum of one Laboratory Control Sample (LCS), one method (reagent) blank, and one duplicate. Any exceptions have been noted in the "Comments" section.

Quality control sample results are reported in the same units as sample results with the exception of gross alpha and gross beta QC sample results which are reported in pCi/sample.

IV. Comments

Samples submitted as a single SDG, SDG W0403 (stand alone), were split into two SDGs after analysis had been started, W0403 (summary) and W0430 (stand alone), as per ROD-B95-013.

Gamma Spectroscopy

Gamma Scan by method ITAS-RD-3219
The samples were analyzed in two separate sets due to a batching error. The Fe-59, Eu-154, and Eu-155 RDLs were not met for many of the batch samples, however, the Ottawa sand blank met the RDL requirements, therefore, the batch data are accepted. The LCS, batch blank, sample and sample duplicate (B0DMR7 and B0DMV1) results are within contractual requirements, except as noted.

Gas Proportional Counting

Gross Alpha by method ITAS-RD-3222
The samples were analyzed in two separate sets due to a batching error. The first batch was analyzed with two LCS samples because of the investigation into the cause of a low spike bias for water spikes prepared in the soil lab. The second batch was analyzed with only one LCS sample. The LCS samples in the first batch (M015181S and M015182S) were recounted due to unacceptable recoveries and the recount result is accepted for M015181S. LCS M015182S, which contains an iron carrier, had an unacceptable result on the recount and is not used for reporting purposes. For both sets of data the LCS, batch blank, sample and sample duplicate (B0DMV2 and B0DMR6) results are within contractual requirements, except as noted.

Gross Beta by method ITAS-RD-3222
The samples were analyzed in two separate sets due to a batching error. For both sets the LCS, batch blank, sample and sample duplicate (B0DMV2 and B0DMR6) results are within contractual requirements.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Reviewed and approved:

Suzanne Gaines

Suzanne Gaines
Project Manager

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151801	MATRIX:	SOIL
CLIENT ID:	B0DMS4	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-5.12E-04	2.0E-02	2.0E-02	3.52E-02	pCi/g	N/A	RD3219
CO-60	5.58E-03	1.7E-02	1.7E-02	3.19E-02	pCi/g	N/A	RD3219
CS-137DA	8.70E-03	1.7E-02	1.7E-02	2.91E-02	pCi/g	N/A	RD3219
EU-152	3.45E-02	4.0E-02	4.0E-02	7.08E-02	pCi/g	N/A	RD3219
EU-154	-1.37E-02	5.5E-02	5.5E-02	9.30E-02	pCi/g	N/A	RD3219
EU-155	5.33E-02	4.2E-02	4.3E-02	7.05E-02	pCi/g	N/A	RD3219
FE-59	1.20E-02	6.0E-02	6.0E-02	1.09E-01	pCi/g	N/A	RD3219
K-40	8.91E+00	7.0E-01	1.1E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	4.34E-01	4.9E-02	6.5E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	4.22E-01	7.1E-02	8.3E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	5.21E-01	1.3E-01	1.4E-01	N/A	pCi/g	N/A	RD3219
ALPHA	1.72E+00	2.7E+00	2.7E+00	5.55E+00	pCi/g	100.00%	RD3222
BETA	1.52E+02	3.0E+01	3.2E+01	3.78E+01	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151802	MATRIX:	SOIL
CLIENT ID:	B0DMR9	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	8.09E-03	2.3E-02	2.3E-02	4.04E-02	pCi/g	N/A	RD3219
CO-60	2.27E-02	1.6E-02	1.6E-02	3.19E-02	pCi/g	N/A	RD3219
CS-137DA	6.20E-02	2.3E-02	2.4E-02	N/A	pCi/g	N/A	RD3219
EU-152	4.58E-02	4.8E-02	4.8E-02	8.11E-02	pCi/g	N/A	RD3219
EU-154	3.68E-03	5.5E-02	5.5E-02	9.65E-02	pCi/g	N/A	RD3219
EU-155	6.24E-02	4.3E-02	4.3E-02	7.62E-02	pCi/g	N/A	RD3219
FE-59	2.74E-02	5.8E-02	5.8E-02	1.06E-01	pCi/g	N/A	RD3219
K-40	7.43E+00	6.3E-01	9.7E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	4.33E-01	4.6E-02	6.3E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	4.21E-01	6.6E-02	7.8E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	5.14E-01	1.1E-01	1.2E-01	N/A	pCi/g	N/A	RD3219
ALPHA	4.44E+00	3.5E+00	3.5E+00	5.54E+00	pCi/g	100.00%	RD3222
BETA	1.59E+01	3.0E+00	3.2E+00	3.71E+00	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151804	MATRIX:	SOIL
CLIENT ID:	B0DMR6	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-1.71E-02	4.4E-02	4.4E-02	7.25E-02	pCi/g	N/A	RD3219
CO-60	5.47E-01	8.1E-02	9.7E-02	N/A	pCi/g	N/A	RD3219
CS-137DA	9.68E-01	8.6E-02	1.3E-01	N/A	pCi/g	N/A	RD3219
EU-152	5.82E-01	1.0E-01	1.2E-01	1.95E-01	pCi/g	N/A	RD3219
EU-154	6.07E-02	1.2E-01	1.2E-01	2.09E-01	pCi/g	N/A	RD3219
EU-155	8.05E-02	6.7E-02	6.7E-02	1.09E-01	pCi/g	N/A	RD3219
FE-59	-6.08E-02	1.2E-01	1.2E-01	1.83E-01	pCi/g	N/A	RD3219
K-40	4.01E+00	1.4E+00	1.5E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	8.84E-01	1.1E-01	1.4E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	5.03E-01	1.3E-01	1.4E-01	N/A	pCi/g	N/A	RD3219
RA-228DA	1.02E+00	2.4E-01	2.6E-01	N/A	pCi/g	N/A	RD3219
U-235	3.95E-01	2.0E-01	2.0E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	8.72E+00	1.4E+00	1.6E+00	N/A	pCi/g	N/A	RD3219
ALPHA	2.14E+01	6.5E+00	6.9E+00	5.33E+00	pCi/g	100.00%	RD3222
BETA	2.36E+01	3.5E+00	3.9E+00	3.89E+00	pCi/g	100.00%	RD3222

Number of Results: 15

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151805	MATRIX:	SOIL
CLIENT ID:	B0DMR7	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.19E-02	1.1E-02	1.1E-02	1.93E-02	pCi/g	N/A	RD3219
CO-60	2.13E-02	1.0E-02	1.0E-02	1.95E-02	pCi/g	N/A	RD3219
CS-137DA	5.80E-02	1.5E-02	1.6E-02	N/A	pCi/g	N/A	RD3219
EU-152	2.37E-03	2.6E-02	2.6E-02	4.27E-02	pCi/g	N/A	RD3219
EU-154	2.10E-02	3.2E-02	3.2E-02	5.57E-02	pCi/g	N/A	RD3219
EU-155	4.55E-02	2.8E-02	2.9E-02	4.61E-02	pCi/g	N/A	RD3219
FE-59	-2.74E-02	2.9E-02	2.9E-02	4.73E-02	pCi/g	N/A	RD3219
K-40	8.41E+00	4.1E-01	9.4E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	4.12E-01	3.0E-02	5.1E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	3.83E-01	4.0E-02	5.5E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	4.59E-01	8.9E-02	1.0E-01	N/A	pCi/g	N/A	RD3219
ALPHA	9.67E+00	4.4E+00	4.5E+00	3.88E+00	pCi/g	100.00%	RD3222
BETA	1.55E+01	3.0E+00	3.1E+00	3.67E+00	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151809	MATRIX:	SOIL
CLIENT ID:	B0DMT7	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-8.17E-01	1.9E-01	2.1E-01	2.99E-01	pCi/g	N/A	RD3219
CO-60	6.93E+00	3.3E-01	7.7E-01	N/A	pCi/g	N/A	RD3219
CS-137DA	1.11E+01	2.6E-01	1.1E+00	N/A	pCi/g	N/A	RD3219
EU-152	2.10E+01	7.4E-01	2.2E+00	N/A	pCi/g	N/A	RD3219
EU-154	3.68E+00	7.4E-01	8.2E-01	N/A	pCi/g	N/A	RD3219
EU-155	5.33E+00	6.0E-01	8.1E-01	9.63E-01	pCi/g	N/A	RD3219
FE-59	-7.99E-01	4.2E-01	4.3E-01	6.59E-01	pCi/g	N/A	RD3219
K-40	1.48E+01	3.0E+00	3.4E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	1.27E+02	6.8E-01	1.3E+01	N/A	pCi/g	N/A	RD3219
RA-226DA	1.74E+02	9.9E-01	1.7E+01	N/A	pCi/g	N/A	RD3219
RA-228DA	9.18E+01	1.4E+00	9.3E+00	N/A	pCi/g	N/A	RD3219
ALPHA	1.14E+03	4.6E+01	1.3E+02	4.34E+00	pCi/g	100.00%	RD3222
BETA	5.45E+02	1.5E+01	3.9E+01	3.63E+00	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151810	MATRIX:	SOIL
CLIENT ID:	B0DMS0	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	6.99E-03	1.8E-02	1.8E-02	3.29E-02	pCi/g	N/A	RD3219
CO-60	2.17E-03	1.5E-02	1.5E-02	2.71E-02	pCi/g	N/A	RD3219
CS-137DA	2.94E-04	1.5E-02	1.5E-02	2.66E-02	pCi/g	N/A	RD3219
EU-152	3.67E-02	3.6E-02	3.6E-02	6.51E-02	pCi/g	N/A	RD3219
EU-154	2.35E-02	4.2E-02	4.2E-02	7.99E-02	pCi/g	N/A	RD3219
EU-155	5.25E-02	3.9E-02	3.9E-02	6.46E-02	pCi/g	N/A	RD3219
FE-59	7.99E-03	5.0E-02	5.0E-02	8.95E-02	pCi/g	N/A	RD3219
K-40	8.58E+00	6.4E-01	1.1E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	4.02E-01	4.5E-02	6.1E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	3.54E-01	5.6E-02	6.6E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	4.13E-01	1.1E-01	1.2E-01	N/A	pCi/g	N/A	RD3219
ALPHA	3.62E+00	3.2E+00	3.3E+00	5.44E+00	pCi/g	100.00%	RD3222
BETA	-1.25E-01	1.6E+00	1.6E+00	3.83E+00	pCi/g	100.00%	RD3222

Number of Results: 13

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151811	MATRIX:	SOIL
CLIENT ID:	B0DMS7	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-1.67E-02	2.4E-02	2.4E-02	3.91E-02	pCi/g	N/A	RD3219
CO-60	3.86E-02	2.5E-02	2.5E-02	4.75E-02	pCi/g	N/A	RD3219
CS-137DA	6.17E-01	4.8E-02	7.8E-02	N/A	pCi/g	N/A	RD3219
EU-152	7.08E-02	4.6E-02	4.7E-02	8.11E-02	pCi/g	N/A	RD3219
EU-154	-1.56E-02	5.1E-02	5.1E-02	8.70E-02	pCi/g	N/A	RD3219
EU-155	2.91E-02	4.6E-02	4.6E-02	7.91E-02	pCi/g	N/A	RD3219
FE-59	4.48E-04	6.5E-02	6.5E-02	1.14E-01	pCi/g	N/A	RD3219
K-40	8.89E+00	6.8E-01	1.1E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	4.57E-01	4.9E-02	6.7E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	3.89E-01	7.9E-02	8.8E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	4.41E-01	1.3E-01	1.3E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	6.79E-01	6.0E-01	6.0E-01	N/A	pCi/g	N/A	RD3219
ALPHA	5.89E+00	3.7E+00	3.7E+00	4.87E+00	pCi/g	100.00%	RD3222
BETA	1.31E+01	2.8E+00	3.0E+00	3.79E+00	pCi/g	100.00%	RD3222

Number of Results: 14

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151814	MATRIX:	SOIL
CLIENT ID:	B0DMR5	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.52E-01	9.4E-02	9.5E-02	1.55E-01	pCi/g	N/A	RD3219
CO-60	7.64E+00	1.9E-01	7.9E-01	N/A	pCi/g	N/A	RD3219
CS-137DA	1.15E+01	2.3E-01	1.2E+00	N/A	pCi/g	N/A	RD3219
EU-152	3.40E+01	5.3E-01	3.4E+00	N/A	pCi/g	N/A	RD3219
EU-154	5.21E+00	3.2E-01	6.1E-01	N/A	pCi/g	N/A	RD3219
EU-155	5.29E-01	1.9E-01	2.0E-01	3.07E-01	pCi/g	N/A	RD3219
FE-59	-6.98E-02	2.1E-01	2.1E-01	3.25E-01	pCi/g	N/A	RD3219
K-40	1.10E+00	9.1E-01	9.2E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	8.80E-01	1.3E-01	1.6E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	6.78E-01	1.9E-01	2.1E-01	N/A	pCi/g	N/A	RD3219
U-235	5.37E-01	3.1E-01	3.2E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	1.25E+01	4.1E+00	4.3E+00	N/A	pCi/g	N/A	RD3219
ALPHA	2.15E+01	6.4E+00	6.8E+00	3.90E+00	pCi/g	100.00%	RD3222
BETA	3.64E+01	4.2E+00	4.8E+00	3.67E+00	pCi/g	100.00%	RD3222

Number of Results: 14

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151815	MATRIX:	SOIL
CLIENT ID:	B0DMX5	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.61E-02	1.6E-02	1.6E-02	3.36E-02	pCi/g	N/A	RD3219
CO-60	7.80E-03	1.2E-02	1.2E-02	2.48E-02	pCi/g	N/A	RD3219
CS-137DA	-1.24E-02	1.5E-02	1.5E-02	2.41E-02	pCi/g	N/A	RD3219
EU-152	1.15E-02	3.2E-02	3.2E-02	5.75E-02	pCi/g	N/A	RD3219
EU-154	-3.33E-03	4.5E-02	4.5E-02	7.99E-02	pCi/g	N/A	RD3219
EU-155	7.97E-03	3.4E-02	3.4E-02	6.02E-02	pCi/g	N/A	RD3219
FE-59	-1.77E-02	5.1E-02	5.1E-02	8.71E-02	pCi/g	N/A	RD3219
K-40	3.73E-01	3.1E-01	3.2E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	1.11E-01	3.2E-02	3.4E-02	N/A	pCi/g	N/A	RD3219
ALPHA	4.43E-01	3.5E-01	3.5E-01	5.54E-01	pCi/g	100.00%	RD3222
BETA	2.21E+00	1.8E+00	1.8E+00	3.71E+00	pCi/g	100.00%	RD3222

Number of Results: 11

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151816	MATRIX:	SOIL
CLIENT ID:	B0DMS3	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.44E-02	2.3E-02	2.3E-02	4.26E-02	pCi/g	N/A	RD3219
CO-60	-1.56E-03	1.6E-02	1.6E-02	2.93E-02	pCi/g	N/A	RD3219
CS-137DA	5.73E-03	1.9E-02	1.9E-02	3.20E-02	pCi/g	N/A	RD3219
EU-152	-5.19E-02	4.9E-02	5.0E-02	7.44E-02	pCi/g	N/A	RD3219
EU-154	-2.52E-02	5.3E-02	5.3E-02	8.83E-02	pCi/g	N/A	RD3219
EU-155	-3.06E-02	4.3E-02	4.3E-02	6.84E-02	pCi/g	N/A	RD3219
FE-59	4.50E-02	5.5E-02	5.6E-02	1.04E-01	pCi/g	N/A	RD3219
K-40	9.17E+00	6.9E-01	1.2E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	4.71E-01	5.4E-02	7.1E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	4.28E-01	7.8E-02	8.9E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	4.39E-01	1.4E-01	1.5E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	6.54E-01	4.4E-01	4.4E-01	N/A	pCi/g	N/A	RD3219
ALPHA	4.44E+00	3.0E+00	3.1E+00	3.54E+00	pCi/g	100.00%	RD3222
BETA	1.26E+01	2.8E+00	2.9E+00	3.79E+00	pCi/g	100.00%	RD3222

Number of Results: 14

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50202001	MATRIX:	SOIL
CLIENT ID:	B0DMV0	DATE RECEIVED:	2/1/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.27E-02	1.2E-02	1.2E-02	2.10E-02	pCi/g	N/A	RD3219
CO-60	2.07E-02	1.1E-02	1.1E-02	2.04E-02	pCi/g	N/A	RD3219
CS-137DA	1.09E-01	2.1E-02	2.3E-02	N/A	pCi/g	N/A	RD3219
EU-152	2.74E-02	3.0E-02	3.1E-02	4.94E-02	pCi/g	N/A	RD3219
EU-154	2.55E-02	3.2E-02	3.2E-02	5.65E-02	pCi/g	N/A	RD3219
EU-155	1.81E-02	2.6E-02	2.6E-02	4.32E-02	pCi/g	N/A	RD3219
FE-59	-1.00E-02	3.2E-02	3.2E-02	5.16E-02	pCi/g	N/A	RD3219
K-40	9.44E+00	4.4E-01	1.0E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	5.52E-01	3.2E-02	6.4E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	5.50E-01	4.0E-02	6.8E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	5.45E-01	8.5E-02	1.0E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	4.39E-01	2.8E-01	2.8E-01	N/A	pCi/g	N/A	RD3219
ALPHA	1.29E+01	5.2E+00	5.4E+00	5.10E+00	pCi/g	100.00%	RD3222
BETA	1.89E+01	3.2E+00	3.4E+00	3.58E+00	pCi/g	100.00%	RD3222

Number of Results: 14

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151813	MATRIX:	SOIL
CLIENT ID:	B0DMR4	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	3.74E-03	1.2E-02	1.2E-02	2.01E-02	pCi/g	N/A	RD3219
CO-60	6.78E-02	1.9E-02	2.1E-02	N/A	pCi/g	N/A	RD3219
CS-137DA	5.48E-02	1.7E-02	1.8E-02	N/A	pCi/g	N/A	RD3219
EU-152	2.42E-02	2.7E-02	2.8E-02	4.54E-02	pCi/g	N/A	RD3219
EU-154	1.99E-02	2.9E-02	2.9E-02	5.23E-02	pCi/g	N/A	RD3219
EU-155	2.66E-02	2.3E-02	2.3E-02	3.91E-02	pCi/g	N/A	RD3219
FE-59	-6.74E-03	3.1E-02	3.1E-02	5.07E-02	pCi/g	N/A	RD3219
K-40	9.39E+00	4.2E-01	1.0E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	4.21E-01	2.8E-02	5.1E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	3.47E-01	3.9E-02	5.2E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	4.85E-01	6.9E-02	8.4E-02	N/A	pCi/g	N/A	RD3219
U-238DLP	4.51E-01	2.4E-01	2.4E-01	N/A	pCi/g	N/A	RD3219
ALPHA	5.44E+00	3.4E+00	3.5E+00	4.21E+00	pCi/g	100.00%	RD3222
BETA	1.59E+01	3.0E+00	3.2E+00	3.64E+00	pCi/g	100.00%	RD3222

Number of Results: 14

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151808	MATRIX:	SOIL
CLIENT ID:	B0DMS8	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-2.23E-02	2.7E-02	2.7E-02	4.19E-02	pCi/g	N/A	RD3219
CO-60	5.83E-02	3.2E-02	3.2E-02	N/A	pCi/g	N/A	RD3219
CS-137DA	1.01E+00	6.2E-02	1.2E-01	N/A	pCi/g	N/A	RD3219
EU-152	2.12E-01	5.7E-02	6.1E-02	1.09E-01	pCi/g	N/A	RD3219
EU-154	-3.98E-02	6.3E-02	6.3E-02	1.05E-01	pCi/g	N/A	RD3219
EU-155	4.87E-02	4.7E-02	4.8E-02	8.24E-02	pCi/g	N/A	RD3219
FE-59	-8.86E-02	7.6E-02	7.7E-02	1.17E-01	pCi/g	N/A	RD3219
K-40	9.96E+00	7.3E-01	1.2E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	6.68E-01	5.4E-02	8.6E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	5.76E-01	7.0E-02	9.1E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	6.68E-01	1.4E-01	1.5E-01	N/A	pCi/g	N/A	RD3219
ALPHA	1.29E+01	5.4E+00	5.6E+00	6.22E+00	pCi/g	100.00%	RD3222
BETA	1.53E+01	3.0E+00	3.2E+00	3.93E+00	pCi/g	100.00%	RD3222

Number of Results: 13

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151807	MATRIX:	SOIL
CLIENT ID:	B0DMT1	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.46E-01	9.1E-02	9.2E-02	N/A	pCi/g	N/A	RD3219
CO-60	6.30E+00	1.6E-01	6.5E-01	N/A	pCi/g	N/A	RD3219
CS-137DA	9.84E+00	1.8E-01	1.0E+00	N/A	pCi/g	N/A	RD3219
EU-152	2.62E+01	4.0E-01	2.7E+00	N/A	pCi/g	N/A	RD3219
EU-154	4.00E+00	2.7E-01	4.8E-01	N/A	pCi/g	N/A	RD3219
EU-155	4.00E-01	1.3E-01	1.4E-01	2.26E-01	pCi/g	N/A	RD3219
FE-59	-6.89E-02	1.5E-01	1.5E-01	2.47E-01	pCi/g	N/A	RD3219
K-40	3.25E+00	5.6E-01	6.5E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	6.55E-01	1.0E-01	1.2E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	5.84E-01	1.5E-01	1.6E-01	N/A	pCi/g	N/A	RD3219
U-235	8.13E-01	2.8E-01	2.9E-01	N/A	pCi/g	N/A	RD3219
ALPHA	2.35E+01	6.8E+00	7.3E+00	5.54E+00	pCi/g	100.00%	RD3222
BETA	3.79E+01	4.2E+00	4.9E+00	3.50E+00	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151806	MATRIX:	SOIL
CLIENT ID:	B0DMS6	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	2.22E-02	2.7E-02	2.7E-02	4.73E-02	pCi/g	N/A	RD3219
CO-60	7.63E-01	5.6E-02	9.5E-02	N/A	pCi/g	N/A	RD3219
CS-137DA	1.92E+00	7.1E-02	2.0E-01	N/A	pCi/g	N/A	RD3219
EU-152	9.65E-01	9.9E-02	1.4E-01	N/A	pCi/g	N/A	RD3219
EU-154	1.70E-01	7.6E-02	7.8E-02	1.38E-01	pCi/g	N/A	RD3219
EU-155	1.04E-01	6.8E-02	6.9E-02	1.07E-01	pCi/g	N/A	RD3219
FE-59	-6.59E-02	6.6E-02	6.6E-02	1.02E-01	pCi/g	N/A	RD3219
K-40	4.71E+00	5.7E-01	7.4E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	7.20E-01	5.1E-02	8.8E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	4.93E-01	8.1E-02	9.5E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	8.58E-01	1.7E-01	1.9E-01	N/A	pCi/g	N/A	RD3219
U-235	4.71E-01	1.8E-01	1.9E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	8.25E+00	2.0E+00	2.2E+00	N/A	pCi/g	N/A	RD3219
ALPHA	2.06E+01	6.4E+00	6.8E+00	5.11E+00	pCi/g	100.00%	RD3222
BETA	2.55E+01	3.6E+00	4.0E+00	3.58E+00	pCi/g	100.00%	RD3222

Number of Results: 15

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50151803	MATRIX:	SOIL
CLIENT ID:	B0DMT0	DATE RECEIVED:	1/30/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.70E-02	7.3E-02	7.3E-02	1.25E-01	pCi/g	N/A	RD3219
CO-60	7.82E-01	1.2E-01	1.4E-01	N/A	pCi/g	N/A	RD3219
CS-137DA	1.97E+00	1.3E-01	2.4E-01	N/A	pCi/g	N/A	RD3219
EU-152	3.22E+00	3.0E-01	4.4E-01	N/A	pCi/g	N/A	RD3219
EU-154	3.87E-01	1.8E-01	1.8E-01	3.58E-01	pCi/g	N/A	RD3219
EU-155	1.36E-01	1.2E-01	1.2E-01	2.01E-01	pCi/g	N/A	RD3219
FE-59	-7.86E-02	1.8E-01	1.8E-01	2.96E-01	pCi/g	N/A	RD3219
K-40	4.79E+00	1.0E+00	1.2E+00	N/A	pCi/g	N/A	RD3219
NA-22	2.10E-01	7.7E-02	8.0E-02	N/A	pCi/g	N/A	RD3219
RA-224DA	9.51E-01	1.4E-01	1.7E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	6.30E-01	1.8E-01	1.9E-01	N/A	pCi/g	N/A	RD3219
U-235	9.16E-01	3.7E-01	3.8E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	1.29E+01	1.7E+00	2.1E+00	N/A	pCi/g	N/A	RD3219
ALPHA	2.15E+01	6.4E+00	6.8E+00	4.49E+00	pCi/g	100.00%	RD3222
BETA	2.77E+01	3.8E+00	4.2E+00	3.79E+00	pCi/g	100.00%	RD3222

Number of Results: 15

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	**SDG:**	W0403
LAB SAMPLE ID:	50202002	**MATRIX:**	SOIL
CLIENT ID:	B0DMV1	**DATE RECEIVED:**	2/1/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-2.44E-02	2.0E-02	2.0E-02	2.98E-02	pCi/g	N/A	RD3219
CO-60	8.55E-03	1.5E-02	1.5E-02	2.89E-02	pCi/g	N/A	RD3219
CS-137DA	8.04E-02	2.9E-02	3.0E-02	N/A	pCi/g	N/A	RD3219
EU-152	9.32E-03	3.7E-02	3.7E-02	6.39E-02	pCi/g	N/A	RD3219
EU-154	1.11E-02	5.4E-02	5.4E-02	9.47E-02	pCi/g	N/A	RD3219
EU-155	2.14E-02	4.1E-02	4.1E-02	7.01E-02	pCi/g	N/A	RD3219
FE-59	1.12E-02	4.8E-02	4.8E-02	8.64E-02	pCi/g	N/A	RD3219
K-40	7.97E+00	6.4E-01	1.0E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	4.33E-01	4.1E-02	6.0E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	3.73E-01	5.9E-02	7.0E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	5.04E-01	1.1E-01	1.2E-01	N/A	pCi/g	N/A	RD3219
ALPHA	5.16E+00	3.9E+00	3.9E+00	6.21E+00	pCi/g	100.00%	RD3222
BETA	1.49E+01	3.0E+00	3.2E+00	3.78E+00	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Environmental Services

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0403
LAB SAMPLE ID:	50202003	MATRIX:	SOIL
CLIENT ID:	B0DMV2	DATE RECEIVED:	2/1/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	-5.45E-02	2.5E-02	2.6E-02	3.36E-02	pCi/g	N/A	RD3219
CO-60	-3.56E-03	2.0E-02	2.0E-02	3.50E-02	pCi/g	N/A	RD3219
CS-137DA	2.37E-02	1.8E-02	1.8E-02	3.47E-02	pCi/g	N/A	RD3219
EU-152	-1.89E-02	5.1E-02	5.1E-02	8.27E-02	pCi/g	N/A	RD3219
EU-154	-3.04E-02	6.5E-02	6.6E-02	1.11E-01	pCi/g	N/A	RD3219
EU-155	-6.46E-03	4.8E-02	4.8E-02	8.04E-02	pCi/g	N/A	RD3219
FE-59	3.33E-02	7.4E-02	7.4E-02	1.31E-01	pCi/g	N/A	RD3219
K-40	1.46E+01	8.7E-01	1.7E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	6.89E-01	6.7E-02	9.6E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	4.88E-01	1.0E-01	1.2E-01	N/A	pCi/g	N/A	RD3219
RA-228DA	8.42E-01	1.4E-01	1.6E-01	N/A	pCi/g	N/A	RD3219
ALPHA	3.62E+00	3.2E+00	3.3E+00	5.44E+00	pCi/g	100.00%	RD3222
BETA	2.33E+01	3.6E+00	3.9E+00	3.87E+00	pCi/g	100.00%	RD3222

Number of Results: 13

Quanterra Incorporated
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Richland, Washington 99352

509 375-3131 Telephone
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Quanterra Environmental Services

CERTIFICATE OF ANALYSIS

Bechtel Hanford, Inc.
345 Hills
Richland, WA 99352

March 13, 1995

Attention: Joan Kessner

MAR 1995
RECEIVED
Data
Log In

SAF Number	:	B94-098
Date SDG Closed	:	January 26, 1995
Number of Samples	:	Five (5) - See ROD-B95-013
Sample Type	:	Soil
SDG Number	:	W0386
Data Deliverable	:	Summary

I. Introduction

On January 18, 1995, seven water samples were received by the Quanterra Environmental Services Richland Laboratory (QTESRL) for radiochemical analysis. After receipt, per ROD-B95-013, the samples were split into two separate SDGs for reporting purposes. The samples were assigned the following laboratory ID numbers to correspond with the Bechtel Hanford, Inc. (BHI) specific IDs:

QTESRL ID	BHI ID	Matrix	Date of Receipt
50132301	B0DMT6	Soil	1/18/95
50132302	B0DMS9	Soil	1/18/95
50132304	B0DMR2	Soil	1/18/95
50132306	B0DMR3	Soil	1/18/95
50132307	B0DMT5	Soil	1/18/95

II. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Gamma Spectroscopy
Gamma Scan by method ITAS-RD-3219
Gas Proportional Counting
Gross Alpha by method ITAS-RD-3222
Gross Beta by method ITAS-RD-3222

III. Quality Control

The analytical results for each analysis performed under SDG W0386 include a minimum of one Laboratory Control Sample (LCS), one method (reagent) blank, and one duplicate. Any exceptions have been noted in the "Comments" section.

Quality control sample results are reported in the same units as sample results with the exception of gross alpha and gross beta QC sample results which are reported in pCi/sample.

IV. Comments

The COC for sample B0DMS9 listed a 40 mL container for a sulfide analysis, this sample was not received. The lab received a 125 mL container of sample B0DMS9 marked for anions that was not listed on the COC.

BHI Off-site Property Control form W95-0-0204-3 identifies the samples as groundwater. The COC identifies the samples as soil.

Samples submitted as a single SDG, SDG W0386 (stand alone), were split into two SDGs after analysis had been started, W0386 (summary) and W0401 (stand alone), as per ROD-B95-013. The results are reported in two data packages, but were analyzed as a single batch with one set of QC.

Gamma Spectroscopy

Gamma Scan by method ITAS-RD-3219
The Fe-59, Eu-154, and Eu-155 RDLs were not met for sample B0DMS9. The Fe-59 RDL was not met for sample B0DMR2. The Co-58, Fe-59, Eu-154, and Eu-155 RDLs were not met for samples B0DMR3, and B0DMT5. The blank met the RDL requirements, therefore, the batch data are accepted. The LCS, batch blank, sample and sample duplicate (B0DMT6) results are within contractual requirements, except as noted.

Gas Proportional Counting

Gross Alpha by method ITAS-RD-3222
The batch was analyzed with two LCS samples. The soil lab is undergoing an investigation into the cause of a low spike bias for water spikes prepared in that area, and is preparing duplicate spikes for soil batches. LCS M013232S, which contains an iron carrier, is not used for reporting purposes. The LCS samples were recounted due to unacceptable recoveries and the recount result is accepted for M013231S. Sample B0DMS9 was analyzed in a separate set due to a batching error. The reanalysis LCS (M013233S) had a low radiochemical recovery (52%) and was recounted with similar results. The data are accepted with the low LCS recovery and the investigation is continuing into the cause of the low spikes in the soil prep lab. For both sets the LCS, batch blank, sample and sample duplicate (B0DMT6) results are within contractual requirements, except as noted.

Gross Beta by method ITAS-RD-3222
Sample B0DMS9 was analyzed in a separate set due to a batching error. For both sets the LCS, batch blank, sample and sample duplicate (B0DMT6) results are within contractual requirements, except as noted.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Reviewed and approved:

Suzanne Gaines
Project Manager

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	SDG:	W0386
LAB SAMPLE ID:	50132301	MATRIX:	SOIL
CLIENT ID:	B0DMT6	DATE RECEIVED:	1/18/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.03E-02	5.6E-03	5.7E-03	1.20E-02	pCi/g	N/A	RD3219
CO-60	4.64E-04	5.2E-03	5.2E-03	9.65E-03	pCi/g	N/A	RD3219
CS-137DA	9.70E-04	5.3E-03	5.3E-03	9.46E-03	pCi/g	N/A	RD3219
EU-152	-2.26E-03	1.5E-02	1.5E-02	2.39E-02	pCi/g	N/A	RD3219
EU-154	1.11E-02	1.4E-02	1.4E-02	2.83E-02	pCi/g	N/A	RD3219
EU-155	9.78E-04	1.5E-02	1.5E-02	2.37E-02	pCi/g	N/A	RD3219
FE-59	-1.76E-02	1.5E-02	1.5E-02	2.25E-02	pCi/g	N/A	RD3219
K-40	6.32E-01	1.4E-01	1.6E-01	N/A	pCi/g	N/A	RD3219
RA-224DA	1.26E-01	1.6E-02	2.1E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	7.37E-02	2.3E-02	2.4E-02	N/A	pCi/g	N/A	RD3219
ALPHA	1.18E+00	2.3E+00	2.3E+00	5.11E+00	pCi/g	100.00%	RD3222
BETA	3.75E+00	2.0E+00	2.0E+00	3.65E+00	pCi/g	100.00%	RD3222

Number of Results: 12

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	**SDG:**	W0386
LAB SAMPLE ID:	50132302	**MATRIX:**	SOIL
CLIENT ID:	B0DMS9	**DATE RECEIVED:**	1/18/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.78E-02	3.1E-02	3.1E-02	5.17E-02	pCi/g	N/A	RD3219
CO-60	6.47E-01	5.5E-02	8.5E-02	N/A	pCi/g	N/A	RD3219
CS-137DA	2.48E+00	7.9E-02	2.6E-01	N/A	pCi/g	N/A	RD3219
EU-152	2.86E+00	1.5E-01	3.2E-01	N/A	pCi/g	N/A	RD3219
EU-154	4.45E-01	8.6E-02	9.7E-02	1.74E-01	pCi/g	N/A	RD3219
EU-155	9.79E-02	7.5E-02	7.6E-02	1.18E-01	pCi/g	N/A	RD3219
FE-59	2.70E-02	6.9E-02	6.9E-02	1.17E-01	pCi/g	N/A	RD3219
K-40	9.52E+00	6.4E-01	1.2E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	1.89E+00	7.4E-02	2.0E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	2.10E+00	1.2E-01	2.4E-01	N/A	pCi/g	N/A	RD3219
RA-228DA	1.58E+00	2.0E-01	2.5E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	3.79E+00	1.5E+00	1.6E+00	N/A	pCi/g	N/A	RD3219
ALPHA	2.58E+01	7.1E+00	7.7E+00	5.44E+00	pCi/g	100.00%	RD3222
BETA	2.37E+01	3.6E+00	3.9E+00	3.85E+00	pCi/g	100.00%	RD3222

Number of Results: 14

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	**SDG:**	W0386
LAB SAMPLE ID:	50132304	**MATRIX:**	SOIL
CLIENT ID:	B0DMR2	**DATE RECEIVED:**	1/18/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	8.10E-03	1.9E-02	1.9E-02	3.26E-02	pCi/g	N/A	RD3219
CO-60	3.83E-01	4.4E-02	5.8E-02	N/A	pCi/g	N/A	RD3219
CS-137DA	2.06E+00	5.8E-02	2.1E-01	N/A	pCi/g	N/A	RD3219
EU-152	1.11E+00	8.7E-02	1.4E-01	N/A	pCi/g	N/A	RD3219
EU-154	1.71E-01	5.3E-02	5.6E-02	1.03E-01	pCi/g	N/A	RD3219
EU-155	3.16E-02	5.0E-02	5.0E-02	7.39E-02	pCi/g	N/A	RD3219
FE-59	-3.89E-02	5.2E-02	5.2E-02	8.13E-02	pCi/g	N/A	RD3219
K-40	9.83E+00	5.1E-01	1.1E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	7.80E-01	3.9E-02	8.7E-02	N/A	pCi/g	N/A	RD3219
RA-226DA	7.43E-01	5.4E-02	9.2E-02	N/A	pCi/g	N/A	RD3219
RA-228DA	6.83E-01	1.1E-01	1.3E-01	N/A	pCi/g	N/A	RD3219
ALPHA	1.74E+01	5.8E+00	6.1E+00	4.62E+00	pCi/g	100.00%	RD3222
BETA	1.84E+01	3.2E+00	3.4E+00	3.64E+00	pCi/g	100.00%	RD3222

Number of Results: 13

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	**SDG:**	W0386
LAB SAMPLE ID:	50132306	**MATRIX:**	SOIL
CLIENT ID:	B0DMR3	**DATE RECEIVED:**	1/18/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	1.88E-02	3.6E-02	3.6E-02	5.96E-02	pCi/g	N/A	RD3219
CO-60	7.89E-01	6.9E-02	1.1E-01	N/A	pCi/g	N/A	RD3219
CS-137DA	3.05E+00	1.0E-01	3.2E-01	N/A	pCi/g	N/A	RD3219
EU-152	2.05E+00	1.6E-01	2.6E-01	N/A	pCi/g	N/A	RD3219
EU-154	2.65E-01	8.6E-02	9.0E-02	1.69E-01	pCi/g	N/A	RD3219
EU-155	7.86E-02	8.1E-02	8.1E-02	1.27E-01	pCi/g	N/A	RD3219
FE-59	-4.97E-02	8.6E-02	8.7E-02	1.37E-01	pCi/g	N/A	RD3219
K-40	6.56E+00	7.8E-01	1.0E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	1.13E+00	8.2E-02	1.4E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	7.54E-01	9.4E-02	1.2E-01	N/A	pCi/g	N/A	RD3219
RA-228DA	1.09E+00	2.3E-01	2.5E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	5.40E+00	1.8E+00	1.9E+00	N/A	pCi/g	N/A	RD3219
ALPHA	1.46E+01	5.4E+00	5.6E+00	4.75E+00	pCi/g	100.00%	RD3222
BETA	2.12E+01	3.3E+00	3.6E+00	3.66E+00	pCi/g	100.00%	RD3222

Number of Results: 14

SAMPLE RESULTS

LAB NAME:	ITAS-RICHLAND	**SDG:**	W0386
LAB SAMPLE ID:	50132307	**MATRIX:**	SOIL
CLIENT ID:	B0DMT5	**DATE RECEIVED:**	1/18/95

ISOTOPE	RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER
CO-58	5.55E-02	4.8E-02	4.8E-02	8.51E-02	pCi/g	N/A	RD3219
CO-60	6.96E-01	7.4E-02	1.0E-01	N/A	pCi/g	N/A	RD3219
CS-137DA	2.04E+00	1.0E-01	2.3E-01	N/A	pCi/g	N/A	RD3219
EU-152	4.45E+00	2.2E-01	5.0E-01	N/A	pCi/g	N/A	RD3219
EU-154	7.22E-01	1.3E-01	1.5E-01	2.67E-01	pCi/g	N/A	RD3219
EU-155	1.55E-01	8.8E-02	8.9E-02	1.52E-01	pCi/g	N/A	RD3219
FE-59	-9.87E-02	1.1E-01	1.1E-01	1.79E-01	pCi/g	N/A	RD3219
K-40	7.55E+00	9.5E-01	1.2E+00	N/A	pCi/g	N/A	RD3219
RA-224DA	1.75E+00	1.0E-01	2.0E-01	N/A	pCi/g	N/A	RD3219
RA-226DA	1.05E+00	1.6E-01	1.9E-01	N/A	pCi/g	N/A	RD3219
RA-228DA	1.66E+00	2.4E-01	2.9E-01	N/A	pCi/g	N/A	RD3219
U-238DLP	1.29E+01	1.6E+00	2.0E+00	N/A	pCi/g	N/A	RD3219
ALPHA	2.52E+01	7.0E+00	7.5E+00	5.10E+00	pCi/g	100.00%	RD3222
BETA	2.96E+01	3.8E+00	4.3E+00	3.66E+00	pCi/g	100.00%	RD3222

Number of Results: 14

DUPLICATE RESULTS

LAB NAME:	ITAS-RICHLAND	**SDG:**	W0386
LAB SAMPLE ID:	G0132301	**MATRIX:**	SOIL
CLIENT ID:	B0DMT6	**DATE RECEIVED:**	1/18/95
ORIG LAB SAMPLE ID:	50132301		

ISOTOPE	DUP RESULT	COUNTING ERROR (2s)	TOTAL ERROR (2s)	MDA	REPORT UNIT	YIELD	METHOD NUMBER	ORIG RESULT	RPD
CO-58	3.60E-03	5.9E-03	5.9E-03	1.14E-02	pCi/g	N/A	RD3219	1.03E-02	96.40
CO-60	1.36E-03	6.7E-03	6.7E-03	1.24E-02	pCi/g	N/A	RD3219	4.64E-04	98.25
CS-137DA	-4.05E-03	6.0E-03	6.0E-03	9.30E-03	pCi/g	N/A	RD3219	9.70E-04	325.97
EU-152	-4.12E-03	1.6E-02	1.6E-02	2.43E-02	pCi/g	N/A	RD3219	-2.26E-03	58.31
EU-154	-8.94E-03	1.8E-02	1.8E-02	3.00E-02	pCi/g	N/A	RD3219	1.11E-02	1855.56
EU-155	7.39E-03	1.6E-02	1.6E-02	2.48E-02	pCi/g	N/A	RD3219	9.78E-04	153.25
FE-59	2.00E-03	1.7E-02	1.7E-02	2.94E-02	pCi/g	N/A	RD3219	-1.76E-02	251.28
K-40	6.98E-01	1.4E-01	1.5E-01	N/A	pCi/g	N/A	RD3219	6.32E-01	9.92
RA-224DA	1.28E-01	1.4E-02	1.9E-02	N/A	pCi/g	N/A	RD3219	1.26E-01	1.57
RA-226DA	9.53E-02	1.7E-02	1.9E-02	3.61E-02	pCi/g	N/A	RD3219	7.37E-02	25.56
RA-228DA	1.21E-01	4.3E-02	4.4E-02	N/A	pCi/g	N/A	RD3219	N/A	
ALPHA	7.25E-01	1.9E+00	1.9E+00	4.49E+00	pCi/g	100.00%	RD3222	1.18E+00	47.77
BETA	3.07E+00	1.9E+00	1.9E+00	3.60E+00	pCi/g	100.00%	RD3222	3.75E+00	19.94

Number of Results: 13

SAMPLE AND DATA MANAGEMENT

RECORD OF DISPOSITION

ROD-895-013
Record of Disposition No.

DATE: 01/31/95

LABORATORY: Quanterra

PROJECT TITLE/NO.: 100-D Ponds/924-088

NCR NO.: N/A

SAMPLE IDENTIFICATION NUMBERS:

W0389 ~~W0300~~ 50132209+05 32303+05

1) B0DMT2, B0DMT3 (1 SDG, standalone deliverable); B0DMT6, B0DMS9, B0DMR2, B0DMR3, B0DMT5 (1 SDG, summary deliverable) W0386

W0430 ~~W0403~~ 50151712 + 51812

2) B0DMT4 (1 SDG, standalone deliverable); B0DMR4, B0DMR9, B0DMS6, B0DMT1, B0DMR5, B0DMS0, B0DMS7, B0DMR6, B0DMS3, B0DMS8, B0DMT7, B0DMR7, B0DMS4, B0DMT0, B0DMT9, B0SMX5, B0DMV0, B0DMV1, B0DMV2 (1 SDG, summary deliverable) W0403

DESCRIPTION OF EVENT:

1) These samples were collected in the first phase of the sampling event. They were analyzed together in one batch with one set of QC.

2) These samples were collected in the second phase of the sampling event. They were analyzed together in one batch with one set of QC.

SAF requests all data packages be standalone; two should be standalone and two should be summary.

DISPOSITION OF SAMPLES:

1) Results for samples B0DMT2 and B0DMT3 should be reported in one standalone data package. Results for samples B0DMT6, B0DMS9, B0DMR2, B0DMR3, and B0DMT5 should be reported in one summary data package. Results from common QC run with the batch should be duplicated and reported in both data packages.

2) Results from sample B0DMT4 should be reported in one standalone data package. Results from samples B0DMR4, B0DMR9, B0DMS6, B0DMT1, B0DMR5, B0DMS0, B0DMS7, B0DMR6, B0DMS3, B0DMS8, B0DMT7, B0DMR7, B0DMS4, B0DMT0, B0DMT9, B0SMX5, B0DMV0, B0DMV1, and B0DMV2 should be reported in one summary data package. Results from common QC run with the batch should be duplicated and reported in both data packages.

APPROVAL SIGNATURES:

R. C. Smith/ [signature] — 1/31/95
OSM Project Coordinator (Print/Sign Name) — Date

M.T. Stankovich/ [signature] — 2/13/95
Technical Representative (Print/Sign Name) — Date

N/A
Quality Assurance (Print/Sign Name) — Date

xc: Jodie Van Wade Suzi Vicki

1044

Quanterra Incorporated
13715 Rider Trail North
Earth City, Missouri 63045

314 298-8566 Telephone
314 298-8757 Fax

CERTIFICATE OF ANALYSIS

MAR 1995
RECEIVED
Data
Log In

Bechtel Hanford Incorporated
P.O. Box 1970
Richland, Washington 99352

February 28, 1995

Attention: Joan Kessner

Project number	:	550.56
Date Received by Lab	:	January 18, 1995
Number of Samples	:	Five (5)
Sample Type	:	Soil
SDG Number	:	W0386
Data Deliverable	:	Summary

I. Introduction

On January 18, 1995, five (5) soil samples were received by Quanterra, Richland and transferred to Quanterra, St. Louis for chemical analyses. Upon receipt, the samples were given the following laboratory ID numbers to correspond with the specific client ID's:

St Louis ID	WHC ID	Richland ID	Matrix	Date of Receipt
7344-001	B0DMT6	50132201	Soil	01/18/95
7344-003	B0DMR2	50132204	Soil	01/18/95
7344-005	B0DMR3	50132205	Soil	01/18/95
7344-006	B0DMT5	50132207	Soil	01/18/95
7344-007	B0DMS9	50132202	Soil	01/18/95

II. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits.

Analyses requested: Volatiles by EPA method 8240. BNA's by EPA method 8270. Pest/PCB by EPA method 8080. ICP by EPA method 6010. Arsenic by EPA method 7060. Lead by EPA method 7421. Selenium by EPA method 7740. Thallium by EPA method 7841. Chloride, Fluoride, Nitrate, Nitrite, Phosphate and Sulfate by EPA method 300.0. Nitrate/Nitrite by EPA method 353.1. TOX by EPA method 9020. Sulfide by EPA method 9030.

III. Quality Control

A Laboratory Control Sample and Method Blank were analyzed with each preparation batch. Matrix Spike and Matrix Spike Duplicate or Sample Duplicate were performed per the protocol for each analyte in this SDG.

IV. Definitions

The following codes are used to denote laboratory quality control samples and can be found in the data summary section of this report:

QCBLK- Quality Control Blank, Method Blank
QCLCS- Quality Control Laboratory Control Sample, Blank Spike

V. Comments

Samples arrived in St. Louis at 0°C which is not within the recommended 4°C ± 2°C.

Samples B0DMT6, B0DMS9, B0DMR2, B0CMR3, and B0DMT5 should be reported in SDG W0386 as a summary package. Samples, B0DMT2 and B0DMT3, will be reported in SDG W0429 as a standalone package. See ROD-B95-013.

Sample 7344-003 gave a high recovery of toluene-d8 surrogate at 120% (UCL=117%) and a low response for chlorobenzene-d5 internal standard, per the CLP SOW. Upon re-analysis, the surrogate recovery remained high at 124% and the chlorobenzene-d5 internal standard response remained low. Both analyses are reported.

Samples 7344-003 and -005 gave low responses for perylene-d12 internal standard per the CLP SOW criteria. Method 8270 does not require re-analysis for this criteria.

Sample 7344-001 gave a marginally low recovery of pyrene at 51% (LCL=52%). The MSD gave a marginally acceptable recovery at 52%.

The daily calibration on 01-24-95 for Aroclor 1221 was above the specified 15 percent difference. However, there were no hits for the Aroclor 1221 so the data is reported as is. The continuing calibration in the same sequence for DDE, DDT, Endosulfate and Heptachlor were above the specified 15 percent difference. Again, there were no hits for these compounds and the data is reported as determined in this analytical run.

The "X" flag is used for the Pesticide/PCB analysis when there are elevated detection limits due to PCB interferences.

All samples were originally logged in for Lead analysis by Graphite Furnace. Only sample 7344-001 was analyzed and reported by Graphite Furnace, the remaining samples in the SDG had Lead concentrations high enough to be reported from the ICP analysis (concentrations were greater than five times the ICP Lead IDL). The Matrix Spike and Matrix Spike Duplicate data for Lead on sample 7344-001 was analyzed and reported by both Graphite Furnace and ICP.

Arsenic data for sample 7344-003 was reported from a ten time dilution. The sample was initially run undiluted but the Percent Relative Standard Deviation between the dual injections was outside of criteria. The sample was then run diluted in concurrence with the Quanterra, St. Louis SOP. This analysis gave a result within the calibration range of the instrument.

The Relative Percent Difference could not be calculated for the Nitrate/Nitrite analysis between samples 7344-001 and 7344-001DUP, due to values being below the detection limits.

Bechtel Hanford Incorporated
February 28, 1995
Project Number: 550.56
SDG: W0386
Page 4

The Relative Percent Difference could not be calculated for the Sulfide analysis between samples 7344-001 and 7344-001DUP, due to values being below the detection limits.

The Relative Percent Difference could not be calculated for the TOX analysis between samples 7344-001 and 7344-001DUP, due to values being below the detection limits.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Reviewed and approved:

Wade H. Price
Project Manager
e:\\squmlo01\price$\abbydave\hanford\hanw0386.nar

SAMPLE AND DATA MANAGEMENT

RECORD OF DISPOSITION

ROD-B95-013
Record of Disposition No.

DATE: 01/31/95 LABORATORY: Quanterra

PROJECT TITLE/NO. 100-D Ponds/B94-098 NCR NO.: N/A

SAMPLE IDENTIFICATION NUMBERS:

1) B0DMT2, B0DMT3 (1 SDG, standalone deliverable); B0DMT6, B0DMS9, B0DMR2, B0DMR3, B0DMT5 (1 SDG, summary deliverable)

2) B0DMT4 (1 SDG, standalone deliverable); B0DMR4, B0DMR9, B0DMS6, B0DMT1, B0DMR5, B0DMS0, B0DMS7, B0DMR6, B0DMS3, B0DMS8, B0DMT7, B0DMR7, B0DMS4, B0DMT0, B0DMT9, B0SMX5, B0DMV0, B0DMV1, B0DMV2 (1 SDG, summary deliverable)

DESCRIPTION OF EVENT:

1) These samples were collected in the first phase of the sampling event. They were analyzed together in one batch with one set of QC.

2) These samples were collected in the second phase of the sampling event. They were analyzed together in one batch with one set of QC.

SAF requests all data packages be standalone; two should be standalone and two should be summary.

DISPOSITION OF SAMPLES:

1) Results for samples B0DMT2 and B0DMT3 should be reported in one standalone data package. Results for samples B0DMT6, B0DMS9, B0DMR2, B0DMR3, and B0DMT5 should be reported in one summary data package. Results from common QC run with the batch should be duplicated and reported in both data packages.

2) Results from sample B0DMT4 should be reported in one standalone data package. Results from samples B0DMR4, B0DMR9, B0DMS6, B0DMT1, B0DMR5, B0DMS0, B0DMS7, B0DMR6, B0DMS3, B0DMS8, B0DMT7, B0DMR7, B0DMS4, B0DMT0, B0DMT9, B0SMX5, B0DMV0, B0DMV1, and B0DMV2 should be reported in one summary data package. Results from common QC run with the batch should be duplicated and reported in both data packages.

APPROVAL SIGNATURES:

R. C. Smith/ 1/31/95
OSM Project Coordinator (Print/Sign Name) Date

M.T. Stankovich/ 2/13/95
Technical Representative (Print/Sign Name) Date

N/A
Quality Assurance (Print/Sign Name) Date

00006

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID: BODMT6

Quanterra ID : 7344-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Chloromethane	74-87-3	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Bromomethane	74-83-9	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Vinyl Chloride	75-01-4	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Chloroethane	75-00-3	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Methylene Chloride	75-09-2	QCBLK57743-1	01/25/95	01/25/95	4	UG/KG	BJ	5	1
Acetone	67-64-1	QCBLK57743-1	01/25/95	01/25/95	8	UG/KG	BJ	100	1
Carbon Disulfide	75-15-0	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,1-Dichloroethene	75-35-4	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,1-Dichloroethane	75-34-3	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,2-Dichloroethene (total)	540-59-0	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Chloroform	67-66-3	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,2-Dichloroethane	107-06-2	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
2-Butanone	78-93-3	QCBLK57743-1	01/25/95	01/25/95	100	UG/KG	U	100	1
1,1,1-Trichloroethane	71-55-6	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Carbon Tetrachloride	56-23-5	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Bromodichloromethane	75-27-4	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,2-Dichloropropane	78-87-5	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
cis-1,3-Dichloropropene	10061-01-5	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Trichloroethene	79-01-6	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Dibromochloromethane	124-48-1	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,1,2-Trichloroethane	79-00-5	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Benzene	71-43-2	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
trans-1,3-Dichloropropene	10061-02-6	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Bromoform	75-25-2	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
4-Methyl-2-Pentanone	108-10-1	QCBLK57743-1	01/25/95	01/25/95	50	UG/KG	U	50	1
2-Hexanone	591-78-6	QCBLK57743-1	01/25/95	01/25/95	50	UG/KG	U	50	1
Tetrachloroethene	127-18-4	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
1,1,2,2-Tetrachloroethane	79-34-5	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Toluene	108-88-3	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Chlorobenzene	108-90-7	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
EthylBenzene	100-41-4	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Styrene	100-42-5	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Xylene (total)	1330-20-7	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	U	5	1
Nonanal	124-19-6	QCBLK57743-1	01/25/95	01/25/95	5	UG/KG	J		1
Toluene-d8 (SURR)	2037-26-5	QCBLK57743-1	01/25/95	01/25/95	97	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57743-1	01/25/95	01/25/95	92	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57743-1	01/25/95	01/25/95	95	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Client ID: BODMR2

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-003

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Chloromethane	74-87-3	QCBLK57743-1	01/25/95	01/25/95	21	UG/KG	U	21	1
Bromomethane	74-83-9	QCBLK57743-1	01/25/95	01/25/95	21	UG/KG	U	21	1
Vinyl Chloride	75-01-4	QCBLK57743-1	01/25/95	01/25/95	21	UG/KG	U	21	1
Chloroethane	75-00-3	QCBLK57743-1	01/25/95	01/25/95	21	UG/KG	U	21	1
Methylene Chloride	75-09-2	QCBLK57743-1	01/25/95	01/25/95	16	UG/KG	B	10	1
Acetone	67-64-1	QCBLK57743-1	01/25/95	01/25/95	41	UG/KG	BJ	210	1
Carbon Disulfide	75-15-0	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,1-Dichloroethene	75-35-4	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,1-Dichloroethane	75-34-3	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,2-Dichloroethene (total)	540-59-0	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Chloroform	67-66-3	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,2-Dichloroethane	107-06-2	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
2-Butanone	78-93-3	QCBLK57743-1	01/25/95	01/25/95	210	UG/KG	U	210	1
1,1,1-Trichloroethane	71-55-6	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Carbon Tetrachloride	56-23-5	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Bromodichloromethane	75-27-4	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,2-Dichloropropane	78-87-5	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
cis-1,3-Dichloropropene	10061-01-5	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Trichloroethene	79-01-6	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Dibromochloromethane	124-48-1	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,1,2-Trichloroethane	79-00-5	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Benzene	71-43-2	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
trans-1,3-Dichloropropene	10061-02-6	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Bromoform	75-25-2	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
4-Methyl-2-Pentanone	108-10-1	QCBLK57743-1	01/25/95	01/25/95	100	UG/KG	U	100	1
2-Hexanone	591-78-6	QCBLK57743-1	01/25/95	01/25/95	100	UG/KG	U	100	1
Tetrachloroethene	127-18-4	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
1,1,2,2-Tetrachloroethane	79-34-5	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Toluene	108-88-3	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Chlorobenzene	108-90-7	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
EthylBenzene	100-41-4	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Styrene	100-42-5	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Xylene (total)	1330-20-7	QCBLK57743-1	01/25/95	01/25/95	10	UG/KG	U	10	1
Toluene-d8 (SURR)	2037-26-5	QCBLK57743-1	01/25/95	01/25/95	120	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57743-1	01/25/95	01/25/95	78	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57743-1	01/25/95	01/25/95	94	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-001MS

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
1,1-Dichloroethene	75-35-4	QCBLK57814-1	01/26/95	01/26/95	84	%REC			1
Trichloroethene	79-01-6	QCBLK57814-1	01/26/95	01/26/95	98	%REC			1
Benzene	71-43-2	QCBLK57814-1	01/26/95	01/26/95	96	%REC			1
Toluene	108-88-3	QCBLK57814-1	01/26/95	01/26/95	95	%REC			1
Chlorobenzene	108-90-7	QCBLK57814-1	01/26/95	01/26/95	94	%REC			1
Toluene-d8 (SURR)	2037-26-5	QCBLK57814-1	01/26/95	01/26/95	99	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57814-1	01/26/95	01/26/95	96	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57814-1	01/26/95	01/26/95	95	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-001MSD

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
1,1-Dichloroethene	75-35-4	QCBLK57814-1	01/26/95	01/26/95	88	%REC			1
Trichloroethene	79-01-6	QCBLK57814-1	01/26/95	01/26/95	96	%REC			1
Benzene	71-43-2	QCBLK57814-1	01/26/95	01/26/95	96	%REC			1
Toluene	108-88-3	QCBLK57814-1	01/26/95	01/26/95	96	%REC			1
Chlorobenzene	108-90-7	QCBLK57814-1	01/26/95	01/26/95	100	%REC			1
Toluene-d8 (SURR)	2037-26-5	QCBLK57814-1	01/26/95	01/26/95	103	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57814-1	01/26/95	01/26/95	97	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57814-1	01/26/95	01/26/95	93	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Client ID: BODMR2

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-003RE

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Chloromethane	74-87-3	QCBLK57814-1	01/26/95	01/26/95	21	UG/KG	U	21	1
Bromomethane	74-83-9	QCBLK57814-1	01/26/95	01/26/95	21	UG/KG	U	21	1
Vinyl Chloride	75-01-4	QCBLK57814-1	01/26/95	01/26/95	21	UG/KG	U	21	1
Chloroethane	75-00-3	QCBLK57814-1	01/26/95	01/26/95	21	UG/KG	U	21	1
Methylene Chloride	75-09-2	QCBLK57814-1	01/26/95	01/26/95	11	UG/KG	B	10	1
Acetone	67-64-1	QCBLK57814-1	01/26/95	01/26/95	23	UG/KG	BJ	210	1
Carbon Disulfide	75-15-0	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,1-Dichloroethene	75-35-4	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,1-Dichloroethane	75-34-3	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,2-Dichloroethene (total)	540-59-0	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Chloroform	67-66-3	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,2-Dichloroethane	107-06-2	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
2-Butanone	78-93-3	QCBLK57814-1	01/26/95	01/26/95	210	UG/KG	U	210	1
1,1,1-Trichloroethane	71-55-6	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Carbon Tetrachloride	56-23-5	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Bromodichloromethane	75-27-4	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,2-Dichloropropane	78-87-5	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
cis-1,3-Dichloropropene	10061-01-5	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Trichloroethene	79-01-6	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Dibromochloromethane	124-48-1	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,1,2-Trichloroethane	79-00-5	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Benzene	71-43-2	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
trans-1,3-Dichloropropene	10061-02-6	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Bromoform	75-25-2	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
4-Methyl-2-Pentanone	108-10-1	QCBLK57814-1	01/26/95	01/26/95	100	UG/KG	U	100	1
2-Hexanone	591-78-6	QCBLK57814-1	01/26/95	01/26/95	100	UG/KG	U	100	1
Tetrachloroethene	127-18-4	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
1,1,2,2-Tetrachloroethane	79-34-5	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Toluene	108-88-3	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Chlorobenzene	108-90-7	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
EthylBenzene	100-41-4	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Styrene	100-42-5	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Xylene (total)	1330-20-7	QCBLK57814-1	01/26/95	01/26/95	10	UG/KG	U	10	1
Toluene-d8 (SURR)	2037-26-5	QCBLK57814-1	01/26/95	01/26/95	124	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57814-1	01/26/95	01/26/95	76	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57814-1	01/26/95	01/26/95	92	%REC			1

Quanterra-Richland
P.O. Box 1970
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Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Client ID: BODMR3

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-005

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Chloromethane	74-87-3	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Bromomethane	74-83-9	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Vinyl Chloride	75-01-4	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Chloroethane	75-00-3	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Methylene Chloride	75-09-2	QCBLK57814-1	01/26/95	01/26/95	19	UG/KG	B	17	1
Acetone	67-64-1	QCBLK57814-1	01/26/95	01/26/95	40	UG/KG	BJ	330	1
Carbon Disulfide	75-15-0	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1-Dichloroethene	75-35-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1-Dichloroethane	75-34-3	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,2-Dichloroethene (total)	540-59-0	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Chloroform	67-66-3	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,2-Dichloroethane	107-06-2	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
2-Butanone	78-93-3	QCBLK57814-1	01/26/95	01/26/95	330	UG/KG	U	330	1
1,1,1-Trichloroethane	71-55-6	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Carbon Tetrachloride	56-23-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Bromodichloromethane	75-27-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,2-Dichloropropane	78-87-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
cis-1,3-Dichloropropene	10061-01-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Trichloroethene	79-01-6	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Dibromochloromethane	124-48-1	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1,2-Trichloroethane	79-00-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Benzene	71-43-2	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
trans-1,3-Dichloropropene	10061-02-6	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Bromoform	75-25-2	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
4-Methyl-2-Pentanone	108-10-1	QCBLK57814-1	01/26/95	01/26/95	170	UG/KG	U	170	1
2-Hexanone	591-78-6	QCBLK57814-1	01/26/95	01/26/95	170	UG/KG	U	170	1
Tetrachloroethene	127-18-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1,2,2-Tetrachloroethane	79-34-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Toluene	108-88-3	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Chlorobenzene	108-90-7	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
EthylBenzene	100-41-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Styrene	100-42-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Xylene (total)	1330-20-7	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Toluene-d8 (SURR)	2037-26-5	QCBLK57814-1	01/26/95	01/26/95	116	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57814-1	01/26/95	01/26/95	80	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57814-1	01/26/95	01/26/95	94	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: VOA-TCL
Method: EPA 8240
Matrix: SOLID

Client ID: BODMT5

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-006

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Chloromethane	74-87-3	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Bromomethane	74-83-9	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Vinyl Chloride	75-01-4	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Chloroethane	75-00-3	QCBLK57814-1	01/26/95	01/26/95	33	UG/KG	U	33	1
Methylene Chloride	75-09-2	QCBLK57814-1	01/26/95	01/26/95	20	UG/KG	B	17	1
Acetone	67-64-1	QCBLK57814-1	01/26/95	01/26/95	150	UG/KG	BJ	330	1
Carbon Disulfide	75-15-0	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1-Dichloroethene	75-35-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1-Dichloroethane	75-34-3	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,2-Dichloroethene (total)	540-59-0	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Chloroform	67-66-3	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,2-Dichloroethane	107-06-2	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
2-Butanone	78-93-3	QCBLK57814-1	01/26/95	01/26/95	19	UG/KG	J	330	1
1,1,1-Trichloroethane	71-55-6	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Carbon Tetrachloride	56-23-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Bromodichloromethane	75-27-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,2-Dichloropropane	78-87-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
cis-1,3-Dichloropropene	10061-01-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Trichloroethene	79-01-6	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Dibromochloromethane	124-48-1	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1,2-Trichloroethane	79-00-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Benzene	71-43-2	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
trans-1,3-Dichloropropene	10061-02-6	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Bromoform	75-25-2	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
4-Methyl-2-Pentanone	108-10-1	QCBLK57814-1	01/26/95	01/26/95	170	UG/KG	U	170	1
2-Hexanone	591-78-6	QCBLK57814-1	01/26/95	01/26/95	170	UG/KG	U	170	1
Tetrachloroethene	127-18-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
1,1,2,2-Tetrachloroethane	79-34-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Toluene	108-88-3	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Chlorobenzene	108-90-7	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
EthylBenzene	100-41-4	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Styrene	100-42-5	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Xylene (total)	1330-20-7	QCBLK57814-1	01/26/95	01/26/95	17	UG/KG	U	17	1
Toluene-d8 (SURR)	2037-26-5	QCBLK57814-1	01/26/95	01/26/95	106	%REC			1
Bromofluorobenzene (SURR)	460-00-4	QCBLK57814-1	01/26/95	01/26/95	86	%REC			1
1,2-Dichloroethane-d4 (SURR)	17070-07-0	QCBLK57814-1	01/26/95	01/26/95	88	%REC			1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0622

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 52 Date Analyzed: 01/25/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	41	BJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	210	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0622

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 52 Date Analyzed: 01/25/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0641

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 Date Analyzed: 01/26/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	33	U
74-83-9	Bromomethane	33	U
75-01-4	Vinyl Chloride	33	U
75-00-3	Chloroethane	33	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	40	BJ
75-15-0	Carbon Disulfide	17	U
75-35-4	1,1-Dichloroethene	17	U
75-34-3	1,1-Dichloroethane	17	U
540-59-0	1,2-Dichloroethene (total)	17	U
67-66-3	Chloroform	17	U
107-06-2	1,2-Dichloroethane	17	U
78-93-3	2-Butanone	330	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
75-27-4	Bromodichloromethane	17	U
78-87-5	1,2-Dichloropropane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
79-01-6	Trichloroethene	17	U
124-48-1	Dibromochloromethane	17	U
79-00-5	1,1,2-Trichloroethane	17	U
71-43-2	Benzene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
75-25-2	Bromoform	17	U
108-10-1	4-Methyl-2-Pentanone	170	U
591-78-6	2-Hexanone	170	U
127-18-4	Tetrachloroethene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
108-88-3	Toluene	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
1330-20-7	Xylene (total)	17	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0641

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 Date Analyzed: 01/26/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0640

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 Date Analyzed: 01/26/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	33	U
74-83-9	Bromomethane	33	U
75-01-4	Vinyl Chloride	33	U
75-00-3	Chloroethane	33	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	150	BJ
75-15-0	Carbon Disulfide	17	U
75-35-4	1,1-Dichloroethene	17	U
75-34-3	1,1-Dichloroethane	17	U
540-59-0	1,2-Dichloroethene (total)	17	U
67-66-3	Chloroform	17	U
107-06-2	1,2-Dichloroethane	17	U
78-93-3	2-Butanone	19	J
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
75-27-4	Bromodichloromethane	17	U
78-87-5	1,2-Dichloropropane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
79-01-6	Trichloroethene	17	U
124-48-1	Dibromochloromethane	17	U
79-00-5	1,1,2-Trichloroethane	17	U
71-43-2	Benzene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
75-25-2	Bromoform	17	U
108-10-1	4-Methyl-2-Pentanone	170	U
591-78-6	2-Hexanone	170	U
127-18-4	Tetrachloroethene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
108-88-3	Toluene	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
1330-20-7	Xylene (total)	17	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMT5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0640

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 Date Analyzed: 01/26/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0620

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 0 Date Analyzed: 01/25/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	8	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMT6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: V34401 SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F0620

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 0 Date Analyzed: 01/25/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 124196	Nonanal	21.67	5	J

FORM I VOA-TIC

1/87 Re

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Phenol	108-95-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
bis(2-Chloroethyl)Ether	111-44-4	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2-Chlorophenol	95-57-8	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
1,3-Dichlorobenzene	541-73-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
1,4-Dichlorobenzene	106-46-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
1,2-Dichlorobenzene	95-50-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2-Methylphenol	95-48-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
bis(2-Chloroisopropyl)Ether	108-60-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
4-Methylphenol	106-44-5	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
N-nitroso-di-n-propylamine	621-64-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Hexachloroethane	67-72-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Nitrobenzene	98-95-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Isophorone	78-59-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2-Nitrophenol	88-75-5	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,4-Dimethylphenol	105-67-9	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
bis(2-Chloroethoxy)Methane	111-91-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,4-Dichlorophenol	120-83-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
1,2,4-Trichlorobenzene	120-82-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Naphthalene	91-20-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
4-Chloroaniline	106-47-8	QCBLK57260-1	01/20/95	01/23/95	1300	UG/KG	U	1300	1
Hexachlorobutadiene	87-68-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
4-Chloro-3-Methylphenol	59-50-7	QCBLK57260-1	01/20/95	01/23/95	1300	UG/KG	U	1300	1
2-Methylnaphthalene	91-57-6	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Hexachlorocyclopentadiene	77-47-4	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,4,6-Trichlorophenol	88-06-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,4,5-Trichlorophenol	95-95-4	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2-Chloronaphthalene	91-58-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2-Nitroaniline	88-74-4	QCBLK57260-1	01/20/95	01/23/95	3300	UG/KG	U	3300	1
DimethylPhthalate	131-11-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Acenaphthylene	208-96-8	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,6-Dinitrotoluene	606-20-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
3-Nitroaniline	99-09-2	QCBLK57260-1	01/20/95	01/23/95	3300	UG/KG	U	3300	1
Acenaphthene	83-32-9	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,4-Dinitrophenol	51-28-5	QCBLK57260-1	01/20/95	01/23/95	3300	UG/KG	U	3300	1
4-Nitrophenol	100-02-7	QCBLK57260-1	01/20/95	01/23/95	3300	UG/KG	U	3300	1
Dibenzofuran	132-64-9	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
2,4-Dinitrotoluene	121-14-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Diethylphthalate	84-66-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
4-Chlorophenyl-PhenylEther	7005-72-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Fluorene	86-73-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
4-Nitroaniline	100-01-6	QCBLK57260-1	01/20/95	01/23/95	1300	UG/KG	U	1300	1
4,6-Dinitro-2-Methylphenol	534-52-1	QCBLK57260-1	01/20/95	01/23/95	3300	UG/KG	U	3300	1
n-Nitrosodiphenylamine (1)	86-30-6	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
4-Bromophenyl-Phenyl Ether	101-55-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Hexachlorobenzene	118-74-1	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Pentachlorophenol	87-86-5	QCBLK57260-1	01/20/95	01/23/95	3300	UG/KG	U	3300	1
Phenanthrene	85-01-8	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Anthracene	120-12-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Carbazole	86-74-8	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Di-N-Butylphthalate	84-74-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Fluoranthene	206-44-0	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Pyrene	129-00-0	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
ButylBenzylPhthalate	85-68-7	QCBLK57260-1	01/20/95	01/23/95	1100	UG/KG	B	660	1
3,3'-Dichlorobenzidine	91-94-1	QCBLK57260-1	01/20/95	01/23/95	1300	UG/KG	U	1300	1
Benzo(a)Anthracene	56-55-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Chrysene	218-01-9	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
bis(2-Ethylhexyl)Phthalate	117-81-7	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
di-N-OctylPhthalate	117-84-0	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Benzo(b)Fluoranthene	205-99-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Benzo(k)Fluoranthene	207-08-9	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Benzo(a)Pyrene	50-32-8	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1

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P.O. Box 1970
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Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID: BOOMT6

Quanterra ID : 7344-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Indeno(1,2,3-CD)Pyrene	193-39-5	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Dibenz(a,h)Anthracene	53-70-3	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Benzo(g,h,i)Perylene	191-24-2	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	U	660	1
Aldol Condensation	TIC-4	QCBLK57260-1	01/20/95	01/23/95	14000	UG/KG	BJ		1
Unknown-1	TIC-32	QCBLK57260-1	01/20/95	01/23/95	3500	UG/KG	J		1
Octadecanoic Acid	57-11-4	QCBLK57260-1	01/20/95	01/23/95	140	UG/KG	J		1
Unknown-2	TIC-33	QCBLK57260-1	01/20/95	01/23/95	71	UG/KG	J		1
Unknown-3	TIC-34	QCBLK57260-1	01/20/95	01/23/95	85	UG/KG	J		1
Nitrobenzene-d5	4165-60-0	QCBLK57260-1	01/20/95	01/23/95	70	%REC			1
2-Fluorobiphenyl	321-60-8	QCBLK57260-1	01/20/95	01/23/95	66	%REC			1
Terphenyl-d14	1718-51-0	QCBLK57260-1	01/20/95	01/23/95	55	%REC			1
Phenol-d5	13127-88-3	QCBLK57260-1	01/20/95	01/23/95	81	%REC			1
2-Fluorophenol	367-12-4	QCBLK57260-1	01/20/95	01/23/95	73	%REC			1
2,4,6-Tribromophenol	118-79-6	QCBLK57260-1	01/20/95	01/23/95	60	%REC			1

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Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-001MS

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Phenol	108-95-2	QCBLK57260-1	01/20/95	01/23/95	71	%REC			1
2-Chlorophenol	95-57-8	QCBLK57260-1	01/20/95	01/23/95	62	%REC			1
1,4-Dichlorobenzene	106-46-7	QCBLK57260-1	01/20/95	01/23/95	67	%REC			1
N-nitroso-di-n-propylamine	621-64-7	QCBLK57260-1	01/20/95	01/23/95	83	%REC			1
1,2,4-Trichlorobenzene	120-82-1	QCBLK57260-1	01/20/95	01/23/95	68	%REC			1
4-Chloro-3-Methylphenol	59-50-7	QCBLK57260-1	01/20/95	01/23/95	76	%REC			1
Acenaphthene	83-32-9	QCBLK57260-1	01/20/95	01/23/95	68	%REC			1
4-Nitrophenol	100-02-7	QCBLK57260-1	01/20/95	01/23/95	65	%REC			1
2,4-Dinitrotoluene	121-14-2	QCBLK57260-1	01/20/95	01/23/95	67	%REC			1
Pentachlorophenol	87-86-5	QCBLK57260-1	01/20/95	01/23/95	55	%REC			1
Pyrene	129-00-0	QCBLK57260-1	01/20/95	01/23/95	51	%REC			1
Nitrobenzene-d5	4165-60-0	QCBLK57260-1	01/20/95	01/23/95	74	%REC			1
2-Fluorobiphenyl	321-60-8	QCBLK57260-1	01/20/95	01/23/95	69	%REC			1
Terphenyl-d14	1718-51-0	QCBLK57260-1	01/20/95	01/23/95	54	%REC			1
Phenol-d5	13127-88-3	QCBLK57260-1	01/20/95	01/23/95	74	%REC			1
2-Fluorophenol	367-12-4	QCBLK57260-1	01/20/95	01/23/95	75	%REC			1
2,4,6-Tribromophenol	118-79-6	QCBLK57260-1	01/20/95	01/23/95	61	%REC			1

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Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-001MSD

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Phenol	108-95-2	QCBLK57260-1	01/20/95	01/23/95	72	%REC			1
2-Chlorophenol	95-57-8	QCBLK57260-1	01/20/95	01/23/95	61	%REC			1
1,4-Dichlorobenzene	106-46-7	QCBLK57260-1	01/20/95	01/23/95	67	%REC			1
N-nitroso-di-n-propylamine	621-64-7	QCBLK57260-1	01/20/95	01/23/95	84	%REC			1
1,2,4-Trichlorobenzene	120-82-1	QCBLK57260-1	01/20/95	01/23/95	69	%REC			1
4-Chloro-3-Methylphenol	59-50-7	QCBLK57260-1	01/20/95	01/23/95	76	%REC			1
Acenaphthene	83-32-9	QCBLK57260-1	01/20/95	01/23/95	68	%REC			1
4-Nitrophenol	100-02-7	QCBLK57260-1	01/20/95	01/23/95	65	%REC			1
2,4-Dinitrotoluene	121-14-2	QCBLK57260-1	01/20/95	01/23/95	71	%REC			1
Pentachlorophenol	87-86-5	QCBLK57260-1	01/20/95	01/23/95	60	%REC			1
Pyrene	129-00-0	QCBLK57260-1	01/20/95	01/23/95	52	%REC			1
Nitrobenzene-d5	4165-60-0	QCBLK57260-1	01/20/95	01/23/95	78	%REC			1
2-Fluorobiphenyl	321-60-8	QCBLK57260-1	01/20/95	01/23/95	70	%REC			1
Terphenyl-d14	1718-51-0	QCBLK57260-1	01/20/95	01/23/95	57	%REC			1
Phenol-d5	13127-88-3	QCBLK57260-1	01/20/95	01/23/95	75	%REC			1
2-Fluorophenol	367-12-4	QCBLK57260-1	01/20/95	01/23/95	76	%REC			1
2,4,6-Tribromophenol	118-79-6	QCBLK57260-1	01/20/95	01/23/95	62	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMR2

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-003

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Phenol	108-95-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
bis(2-Chloroethyl)Ether	111-44-4	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2-Chlorophenol	95-57-8	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
1,3-Dichlorobenzene	541-73-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
1,4-Dichlorobenzene	106-46-7	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
1,2-Dichlorobenzene	95-50-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2-Methylphenol	95-48-7	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
bis(2-Chloroisopropyl)Ether	108-60-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
4-Methylphenol	106-44-5	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
N-nitroso-di-n-propylamine	621-64-7	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Hexachloroethane	67-72-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Nitrobenzene	98-95-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Isophorone	78-59-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2-Nitrophenol	88-75-5	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,4-Dimethylphenol	105-67-9	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
bis(2-Chloroethoxy)Methane	111-91-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,4-Dichlorophenol	120-83-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
1,2,4-Trichlorobenzene	120-82-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Naphthalene	91-20-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
4-Chloroaniline	106-47-8	QCBLK57260-1	01/20/95	01/23/95	2700	UG/KG	U	2700	1
Hexachlorobutadiene	87-68-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
4-Chloro-3-Methylphenol	59-50-7	QCBLK57260-1	01/20/95	01/23/95	2700	UG/KG	U	2700	1
2-Methylnaphthalene	91-57-6	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Hexachlorocyclopentadiene	77-47-4	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,4,6-Trichlorophenol	88-06-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,4,5-Trichlorophenol	95-95-4	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2-Chloronaphthalene	91-58-7	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2-Nitroaniline	88-74-4	QCBLK57260-1	01/20/95	01/23/95	6900	UG/KG	U	6900	1
DimethylPhthalate	131-11-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Acenaphthylene	208-96-8	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,6-Dinitrotoluene	606-20-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
3-Nitroaniline	99-09-2	QCBLK57260-1	01/20/95	01/23/95	6900	UG/KG	U	6900	1
Acenaphthene	83-32-9	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,4-Dinitrophenol	51-28-5	QCBLK57260-1	01/20/95	01/23/95	6900	UG/KG	U	6900	1
4-Nitrophenol	100-02-7	QCBLK57260-1	01/20/95	01/23/95	6900	UG/KG	U	6900	1
Dibenzofuran	132-64-9	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
2,4-Dinitrotoluene	121-14-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Diethylphthalate	84-66-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
4-Chlorophenyl-PhenylEther	7005-72-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Fluorene	86-73-7	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
4-Nitroaniline	100-01-6	QCBLK57260-1	01/20/95	01/23/95	2700	UG/KG	U	2700	1
4,6-Dinitro-2-Methylphenol	534-52-1	QCBLK57260-1	01/20/95	01/23/95	6900	UG/KG	U	6900	1
n-Nitrosodiphenylamine (1)	86-30-6	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
4-Bromophenyl-Phenyl Ether	101-55-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Hexachlorobenzene	118-74-1	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Pentachlorophenol	87-86-5	QCBLK57260-1	01/20/95	01/23/95	6900	UG/KG	U	6900	1
Phenanthrene	85-01-8	QCBLK57260-1	01/20/95	01/23/95	260	UG/KG	J	1400	1
Anthracene	120-12-7	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Carbazole	86-74-8	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Di-N-Butylphthalate	84-74-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Fluoranthene	206-44-0	QCBLK57260-1	01/20/95	01/23/95	420	UG/KG	J	1400	1
Pyrene	129-00-0	QCBLK57260-1	01/20/95	01/23/95	420	UG/KG	J	1400	1
ButylBenzylPhthalate	85-68-7	QCBLK57260-1	01/20/95	01/23/95	1300	UG/KG	BJ	1400	1
3,3'-Dichlorobenzidine	91-94-1	QCBLK57260-1	01/20/95	01/23/95	2700	UG/KG	U	2700	1
Benzo(a)Anthracene	56-55-3	QCBLK57260-1	01/20/95	01/23/95	120	UG/KG	J	1400	1
Chrysene	218-01-9	QCBLK57260-1	01/20/95	01/23/95	170	UG/KG	J	1400	1
bis(2-Ethylhexyl)Phthalate	117-81-7	QCBLK57260-1	01/20/95	01/23/95	77	UG/KG	J	1400	1
di-N-OctylPhthalate	117-84-0	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Benzo(b)Fluoranthene	205-99-2	QCBLK57260-1	01/20/95	01/23/95	310	UG/KG	J	1400	1
Benzo(k)Fluoranthene	207-08-9	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Benzo(a)Pyrene	50-32-8	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMR2

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-003

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Indeno(1,2,3-CD)Pyrene	193-39-5	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Dibenz(a,h)Anthracene	53-70-3	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Benzo(g,h,i)Perylene	191-24-2	QCBLK57260-1	01/20/95	01/23/95	1400	UG/KG	U	1400	1
Aldol Condensation	TIC-4	QCBLK57260-1	01/20/95	01/23/95	26000	UG/KG	BJ		1
Unknown-1	TIC-32	QCBLK57260-1	01/20/95	01/23/95	380	UG/KG	J		1
Unknown-2	TIC-33	QCBLK57260-1	01/20/95	01/23/95	2500	UG/KG	J		1
Unknown Alkane-1	TIC-42	QCBLK57260-1	01/20/95	01/23/95	1200	UG/KG	J		1
Unknown Alkane-2	TIC-43	QCBLK57260-1	01/20/95	01/23/95	450	UG/KG	J		1
Unknown-3	TIC-34	QCBLK57260-1	01/20/95	01/23/95	320	UG/KG	J		1
Unknown-4	TIC-35	QCBLK57260-1	01/20/95	01/23/95	210	UG/KG	J		1
Unknown-5	TIC-36	QCBLK57260-1	01/20/95	01/23/95	450	UG/KG	J		1
Unknown-6	TIC-37	QCBLK57260-1	01/20/95	01/23/95	220	UG/KG	J		1
Hexadecanoic Acid	57-10-3	QCBLK57260-1	01/20/95	01/23/95	320	UG/KG	J		1
Unknown-7	TIC-7	QCBLK57260-1	01/20/95	01/23/95	150	UG/KG	J		1
Unknown-8	TIC-8	QCBLK57260-1	01/20/95	01/23/95	820	UG/KG	J		1
Unknown-9	TIC-9	QCBLK57260-1	01/20/95	01/23/95	390	UG/KG	J		1
Unknown C12H4C16-1	TIC-335	QCBLK57260-1	01/20/95	01/23/95	380	UG/KG	J		1
Unknown C12H5C15-1	TIC-330	QCBLK57260-1	01/20/95	01/23/95	420	UG/KG	J		1
Unknown C12H4C16-2	TIC-336	QCBLK57260-1	01/20/95	01/23/95	400	UG/KG	J		1
Unknown C12H4C16-3	TIC-337	QCBLK57260-1	01/20/95	01/23/95	500	UG/KG	J		1
Unknown-10	TIC-10	QCBLK57260-1	01/20/95	01/23/95	430	UG/KG	J		1
Unknown-11	TIC-11	QCBLK57260-1	01/20/95	01/23/95	430	UG/KG	J		1
Unknown-12	TIC-12	QCBLK57260-1	01/20/95	01/23/95	920	UG/KG	J		1
Unknown-13	TIC-13	QCBLK57260-1	01/20/95	01/23/95	1200	UG/KG	J		1
Unknown-14	TIC-14	QCBLK57260-1	01/20/95	01/23/95	1600	UG/KG	J		1
Nitrobenzene-d5	4165-60-0	QCBLK57260-1	01/20/95	01/23/95	78	%REC			1
2-Fluorobiphenyl	321-60-8	QCBLK57260-1	01/20/95	01/23/95	72	%REC			1
Terphenyl-d14	1718-51-0	QCBLK57260-1	01/20/95	01/23/95	104	%REC			1
Phenol-d5	13127-88-3	QCBLK57260-1	01/20/95	01/23/95	89	%REC			1
2-Fluorophenol	367-12-4	QCBLK57260-1	01/20/95	01/23/95	72	%REC			1
2,4,6-Tribromophenol	118-79-6	QCBLK57260-1	01/20/95	01/23/95	61	%REC			1

Quanterra-Richland
P.O. Box 1970
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Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMR3

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-005

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Phenol	108-95-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Chloroethyl)Ether	111-44-4	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Chlorophenol	95-57-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,3-Dichlorobenzene	541-73-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,4-Dichlorobenzene	106-46-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,2-Dichlorobenzene	95-50-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Methylphenol	95-48-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Chloroisopropyl)Ether	108-60-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Methylphenol	106-44-5	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
N-nitroso-di-n-propylamine	621-64-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Hexachloroethane	67-72-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Nitrobenzene	98-95-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Isophorone	78-59-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Nitrophenol	88-75-5	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dimethylphenol	105-67-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Chloroethoxy)Methane	111-91-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dichlorophenol	120-83-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,2,4-Trichlorobenzene	120-82-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Naphthalene	91-20-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Chloroaniline	106-47-8	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
Hexachlorobutadiene	87-68-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Chloro-3-Methylphenol	59-50-7	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
2-Methylnaphthalene	91-57-6	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Hexachlorocyclopentadiene	77-47-4	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4,6-Trichlorophenol	88-06-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4,5-Trichlorophenol	95-95-4	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Chloronaphthalene	91-58-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Nitroaniline	88-74-4	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
DimethylPhthalate	131-11-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Acenaphthylene	208-96-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,6-Dinitrotoluene	606-20-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
3-Nitroaniline	99-09-2	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
Acenaphthene	83-32-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dinitrophenol	51-28-5	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
4-Nitrophenol	100-02-7	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
Dibenzofuran	132-64-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dinitrotoluene	121-14-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Diethylphthalate	84-66-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Chlorophenyl-PhenylEther	7005-72-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Fluorene	86-73-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Nitroaniline	100-01-6	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
4,6-Dinitro-2-Methylphenol	534-52-1	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
n-Nitrosodiphenylamine (1)	86-30-6	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Bromophenyl-Phenyl Ether	101-55-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Hexachlorobenzene	118-74-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Pentachlorophenol	87-86-5	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
Phenanthrene	85-01-8	QCBLK57260-1	01/20/95	01/23/95	640	UG/KG	J	2200	1
Anthracene	120-12-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Carbazole	86-74-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Di-N-Butylphthalate	84-74-2	QCBLK57260-1	01/20/95	01/23/95	4800	UG/KG		2200	1
Fluoranthene	206-44-0	QCBLK57260-1	01/20/95	01/23/95	820	UG/KG	J	2200	1
Pyrene	129-00-0	QCBLK57260-1	01/20/95	01/23/95	620	UG/KG	J	2200	1
ButylBenzylPhthalate	85-68-7	QCBLK57260-1	01/20/95	01/23/95	1900	UG/KG	BJ	2200	1
3,3'-Dichlorobenzidine	91-94-1	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
Benzo(a)Anthracene	56-55-3	QCBLK57260-1	01/20/95	01/23/95	220	UG/KG	J	2200	1
Chrysene	218-01-9	QCBLK57260-1	01/20/95	01/23/95	310	UG/KG	J	2200	1
bis(2-Ethylhexyl)Phthalate	117-81-7	QCBLK57260-1	01/20/95	01/23/95	220	UG/KG	J	2200	1
di-N-OctylPhthalate	117-84-0	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Benzo(b)Fluoranthene	205-99-2	QCBLK57260-1	01/20/95	01/23/95	440	UG/KG	J	2200	1
Benzo(k)Fluoranthene	207-08-9	QCBLK57260-1	01/20/95	01/23/95	170	UG/KG	J	2200	1
Benzo(a)Pyrene	50-32-8	QCBLK57260-1	01/20/95	01/23/95	180	UG/KG	J	2200	1

Quanterra-Richland
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Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMR3

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-005

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Indeno(1,2,3-CD)Pyrene	193-39-5	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Dibenz(a,h)Anthracene	53-70-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Benzo(g,h,i)Perylene	191-24-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Aldol Condensation	TIC-4	QCBLK57260-1	01/20/95	01/23/95	40000	UG/KG	BJ		1
Unknown-1	TIC-32	QCBLK57260-1	01/20/95	01/23/95	4900	UG/KG	J		1
Unknown Alkane-1	TIC-42	QCBLK57260-1	01/20/95	01/23/95	2400	UG/KG	J		1
Unknown Alkane-2	TIC-43	QCBLK57260-1	01/20/95	01/23/95	320	UG/KG	J		1
Unknown-2	TIC-33	QCBLK57260-1	01/20/95	01/23/95	230	UG/KG	J		1
Unknown-3	TIC-34	QCBLK57260-1	01/20/95	01/23/95	650	UG/KG	J		1
Unknown-4	TIC-35	QCBLK57260-1	01/20/95	01/23/95	300	UG/KG	J		1
Unknown PCB Isomer-1	TIC-426	QCBLK57260-1	01/20/95	01/23/95	300	UG/KG	J		1
Unknown PCB Isomer-2	TIC-427	QCBLK57260-1	01/20/95	01/23/95	510	UG/KG	J		1
Unknown PCB Isomer-3	TIC-428	QCBLK57260-1	01/20/95	01/23/95	420	UG/KG	J		1
Unknown PCB Isomer-4	TIC-429	QCBLK57260-1	01/20/95	01/23/95	520	UG/KG	J		1
Unknown PCB Isomer-5	TIC-430	QCBLK57260-1	01/20/95	01/23/95	570	UG/KG	J		1
Unknown PCB Isomer-6	TIC-431	QCBLK57260-1	01/20/95	01/23/95	300	UG/KG	J		1
Unknown-5	TIC-36	QCBLK57260-1	01/20/95	01/23/95	390	UG/KG	J		1
Unknown-6	TIC-37	QCBLK57260-1	01/20/95	01/23/95	440	UG/KG	J		1
Unknown-7	TIC-7	QCBLK57260-1	01/20/95	01/23/95	810	UG/KG	J		1
Unknown-8	TIC-8	QCBLK57260-1	01/20/95	01/23/95	550	UG/KG	J		1
Unknown-9	TIC-9	QCBLK57260-1	01/20/95	01/23/95	580	UG/KG	J		1
Unknown-10	TIC-10	QCBLK57260-1	01/20/95	01/23/95	780	UG/KG	J		1
Unknown-11	TIC-11	QCBLK57260-1	01/20/95	01/23/95	1100	UG/KG	J		1
Unknown-12	TIC-12	QCBLK57260-1	01/20/95	01/23/95	610	UG/KG	J		1
Unknown-13	TIC-13	QCBLK57260-1	01/20/95	01/23/95	540	UG/KG	J		1
Nitrobenzene-d5	4165-60-0	QCBLK57260-1	01/20/95	01/23/95	77	%REC			1
2-Fluorobiphenyl	321-60-8	QCBLK57260-1	01/20/95	01/23/95	70	%REC			1
Terphenyl-d14	1718-51-0	QCBLK57260-1	01/20/95	01/23/95	77	%REC			1
Phenol-d5	13127-88-3	QCBLK57260-1	01/20/95	01/23/95	89	%REC			1
2-Fluorophenol	367-12-4	QCBLK57260-1	01/20/95	01/23/95	73	%REC			1
2,4,6-Tribromophenol	118-79-6	QCBLK57260-1	01/20/95	01/23/95	58	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Client ID: BODMT5

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-006

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Phenol	108-95-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Chloroethyl)Ether	111-44-4	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Chlorophenol	95-57-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,3-Dichlorobenzene	541-73-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,4-Dichlorobenzene	106-46-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,2-Dichlorobenzene	95-50-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Methylphenol	95-48-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Chloroisopropyl)Ether	108-60-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Methylphenol	106-44-5	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
N-nitroso-di-n-propylamine	621-64-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Hexachloroethane	67-72-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Nitrobenzene	98-95-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Isophorone	78-59-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Nitrophenol	88-75-5	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dimethylphenol	105-67-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Chloroethoxy)Methane	111-91-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dichlorophenol	120-83-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
1,2,4-Trichlorobenzene	120-82-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Naphthalene	91-20-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Chloroaniline	106-47-8	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
Hexachlorobutadiene	87-68-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Chloro-3-Methylphenol	59-50-7	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
2-Methylnaphthalene	91-57-6	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Hexachlorocyclopentadiene	77-47-4	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4,6-Trichlorophenol	88-06-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4,5-Trichlorophenol	95-95-4	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Chloronaphthalene	91-58-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2-Nitroaniline	88-74-4	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
DimethylPhthalate	131-11-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Acenaphthylene	208-96-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,6-Dinitrotoluene	606-20-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
3-Nitroaniline	99-09-2	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
Acenaphthene	83-32-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dinitrophenol	51-28-5	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
4-Nitrophenol	100-02-7	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
Dibenzofuran	132-64-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
2,4-Dinitrotoluene	121-14-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Diethylphthalate	84-66-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Chlorophenyl-PhenylEther	7005-72-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Fluorene	86-73-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Nitroaniline	100-01-6	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
4,6-Dinitro-2-Methylphenol	534-52-1	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
n-Nitrosodiphenylamine (1)	86-30-6	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
4-Bromophenyl-Phenyl Ether	101-55-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Hexachlorobenzene	118-74-1	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Pentachlorophenol	87-86-5	QCBLK57260-1	01/20/95	01/23/95	11000	UG/KG	U	11000	1
Phenanthrene	85-01-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Anthracene	120-12-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Carbazole	86-74-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Di-N-Butylphthalate	84-74-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Fluoranthene	206-44-0	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Pyrene	129-00-0	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
ButylBenzylPhthalate	85-68-7	QCBLK57260-1	01/20/95	01/23/95	580	UG/KG	BJ	2200	1
3,3'-Dichlorobenzidine	91-94-1	QCBLK57260-1	01/20/95	01/23/95	4300	UG/KG	U	4300	1
Benzo(a)Anthracene	56-55-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Chrysene	218-01-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
bis(2-Ethylhexyl)Phthalate	117-81-7	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
di-N-OctylPhthalate	117-84-0	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Benzo(b)Fluoranthene	205-99-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Benzo(k)Fluoranthene	207-08-9	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Benzo(a)Pyrene	50-32-8	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Semi-VOA-TCL
Method: EPA 8270
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID: BODMT5

Quanterra ID : 7344-006

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Indeno(1,2,3-CD)Pyrene	193-39-5	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Dibenz(a,h)Anthracene	53-70-3	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Benzo(g,h,i)Perylene	191-24-2	QCBLK57260-1	01/20/95	01/23/95	2200	UG/KG	U	2200	1
Aldol Condensation	TIC-4	QCBLK57260-1	01/20/95	01/23/95	35000	UG/KG	BJ		1
Unknown-1	TIC-32	QCBLK57260-1	01/20/95	01/23/95	2500	UG/KG	J		1
Unknown Alkane-1	TIC-42	QCBLK57260-1	01/20/95	01/23/95	1100	UG/KG	J		1
Unknown Alkane-2	TIC-43	QCBLK57260-1	01/20/95	01/23/95	600	UG/KG	J		1
Unknown Alkane-3	TIC-142	QCBLK57260-1	01/20/95	01/23/95	360	UG/KG	J		1
Unknown-2	TIC-33	QCBLK57260-1	01/20/95	01/23/95	600	UG/KG	J		1
Unknown-3	TIC-34	QCBLK57260-1	01/20/95	01/23/95	240	UG/KG	J		1
Unknown-4	TIC-35	QCBLK57260-1	01/20/95	01/23/95	310	UG/KG	J		1
Unknown-5	TIC-36	QCBLK57260-1	01/20/95	01/23/95	1300	UG/KG	J		1
Unknown-6	TIC-37	QCBLK57260-1	01/20/95	01/23/95	260	UG/KG	J		1
Unknown-7	TIC-7	QCBLK57260-1	01/20/95	01/23/95	240	UG/KG	J		1
Unknown-8	TIC-8	QCBLK57260-1	01/20/95	01/23/95	660	UG/KG	J		1
Unknown-9	TIC-9	QCBLK57260-1	01/20/95	01/23/95	330	UG/KG	J		1
Unknown-10	TIC-10	QCBLK57260-1	01/20/95	01/23/95	430	UG/KG	J		1
Unknown-11	TIC-11	QCBLK57260-1	01/20/95	01/23/95	600	UG/KG	J		1
Unknown-12	TIC-12	QCBLK57260-1	01/20/95	01/23/95	340	UG/KG	J		1
Unknown-13	TIC-13	QCBLK57260-1	01/20/95	01/23/95	260	UG/KG	J		1
Unknown-14	TIC-14	QCBLK57260-1	01/20/95	01/23/95	220	UG/KG	J		1
Nitrobenzene-d5	4165-60-0	QCBLK57260-1	01/20/95	01/23/95	67	%REC			1
2-Fluorobiphenyl	321-60-8	QCBLK57260-1	01/20/95	01/23/95	63	%REC			1
Terphenyl-d14	1718-51-0	QCBLK57260-1	01/20/95	01/23/95	59	%REC			1
Phenol-d5	13127-88-3	QCBLK57260-1	01/20/95	01/23/95	79	%REC			1
2-Fluorophenol	367-12-4	QCBLK57260-1	01/20/95	01/23/95	64	%REC			1
2,4,6-Tribromophenol	118-79-6	QCBLK57260-1	01/20/95	01/23/95	55	%REC			1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-003

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7717

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 52 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)Ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)Methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	2700	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-Methylphenol	2700	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	6900	U
131-11-3	Dimethyl Phthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR2

Lab Name: ITAS-ST.LOUIS Contract: 550-56

Lab Code: ITSL Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-003

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7717

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 52 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	6900	U
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	6900	U
100-02-7	4-Nitrophenol	6900	U
132-64-9	Dibenzofuran	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
86-73-7	Fluorene	1400	U
100-01-6	4-Nitroaniline	2700	U
534-52-1	4,6-Dinitro-2-Methylphenol	6900	U
86-30-6	N-Nitrosodiphenylamine (1)	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	6900	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	1400	U
86-74-8	Carbazole	1400	U
84-74-2	Di-n-Butylphthalate	1400	U
206-44-0	Fluoranthene	420	J
129-00-0	Pyrene	420	J
85-68-7	Butylbenzylphthalate	1300	BJ
91-94-1	3,3'-Dichlorobenzidine	2700	U
56-55-3	Benzo(a)Anthracene	120	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)Phthalate	77	J
117-84-0	Di-n-Octyl Phthalate	1400	U
205-99-2	Benzo(b)Fluoranthene	310	J
207-08-9	Benzo(k)Fluoranthene	1400	U
50-32-8	Benzo(a)Pyrene	1400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1400	U
53-70-3	Dibenz(a,h)Anthracene	1400	U
191-24-2	Benzo(g,h,i)Perylene	1400	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-003

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7717

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 52 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	4.65	26000	ABJ
2.	UNKNOWN	16.77	380	J
3.	UNKNOWN	18.59	2500	J
4.	Unknown Alkane	18.84	1200	J
5.	Unknown Alkane	18.93	450	J
6.	UNKNOWN	19.44	320	J
7.	UNKNOWN	20.35	210	J
8.	UNKNOWN	20.50	450	J
9.	UNKNOWN	20.97	220	J
10. 57103	Hexadecanoic acid	21.84	320	J
11.	UNKNOWN	23.17	150	J
12.	UNKNOWN	23.85	820	J
13.	UNKNOWN	24.62	390	J
14.	Unknown C12H4Cl6	24.69	380	J
15.	Unknown C12H5Cl5	24.78	420	J
16.	Unknown C12H4Cl6	25.21	400	J
17.	Unknown C12H4Cl6	25.74	500	J
18.	UNKNOWN	25.83	430	J
19.	UNKNOWN	27.29	430	J
20.	UNKNOWN	28.31	920	J
21.	UNKNOWN	29.59	1200	J
22.	UNKNOWN	29.88	1600	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-005

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7719

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2200	U
111-44-4	bis(2-Chloroethyl)Ether	2200	U
95-57-8	2-Chlorophenol	2200	U
541-73-1	1,3-Dichlorobenzene	2200	U
106-46-7	1,4-Dichlorobenzene	2200	U
95-50-1	1,2-Dichlorobenzene	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2200	U
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-Di-n-Propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
111-91-1	bis(2-Chloroethoxy)Methane	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
120-82-1	1,2,4-Trichlorobenzene	2200	U
91-20-3	Naphthalene	2200	U
106-47-8	4-Chloroaniline	4300	U
87-68-3	Hexachlorobutadiene	2200	U
59-50-7	4-Chloro-3-Methylphenol	4300	U
91-57-6	2-Methylnaphthalene	2200	U
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethyl Phthalate	2200	U
208-96-8	Acenaphthylene	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR3

Lab Name: ITAS-ST.LOUIS Contract: 550-56

Lab Code: ITSL Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-005

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7719

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	11000	U
83-32-9	Acenaphthene	2200	U
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	2200	U
121-14-2	2,4-Dinitrotoluene	2200	U
84-66-2	Diethylphthalate	2200	U
7005-72-3	4-Chlorophenyl-phenylether	2200	U
86-73-7	Fluorene	2200	U
100-01-6	4-Nitroaniline	4300	U
534-52-1	4,6-Dinitro-2-Methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine (1)	2200	U
101-55-3	4-Bromophenyl-phenylether	2200	U
118-74-1	Hexachlorobenzene	2200	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	640	J
120-12-7	Anthracene	2200	U
86-74-8	Carbazole	2200	U
84-74-2	Di-n-Butylphthalate	4800	
206-44-0	Fluoranthene	820	J
129-00-0	Pyrene	620	J
85-68-7	Butylbenzylphthalate	1900	BJ
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)Anthracene	220	J
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)Phthalate	220	J
117-84-0	Di-n-Octyl Phthalate	2200	U
205-99-2	Benzo(b)Fluoranthene	440	J
207-08-9	Benzo(k)Fluoranthene	170	J
50-32-8	Benzo(a)Pyrene	180	J
193-39-5	Indeno(1,2,3-cd)Pyrene	2200	U
53-70-3	Dibenz(a,h)Anthracene	2200	U
191-24-2	Benzo(g,h,i)Perylene	2200	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR3

Lab Name: ITAS-ST.LOUIS Contract: 550-56

Lab Code: ITSL Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-005

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7719

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	4.64	40000	ABJ
2.	UNKNOWN	18.59	4900	J
3.	Unknown Alkane	18.85	2400	J
4.	Unknown Alkane	18.94	320	J
5.	UNKNOWN	19.44	230	J
6.	UNKNOWN	20.50	650	J
7.	UNKNOWN	20.97	300	J
8.	Unknown PCB Isomer	24.46	300	J
9.	Unknown PCB Isomer	24.69	510	J
10.	Unknown PCB Isomer	24.78	420	J
11.	Unknown PCB Isomer	25.21	520	J
12.	Unknown PCB Isomer	25.74	570	J
13.	Unknown PCB Isomer	27.02	300	J
14.	UNKNOWN	28.11	390	J
15.	UNKNOWN	28.31	440	J
16.	UNKNOWN	28.99	810	J
17.	UNKNOWN	29.53	550	J
18.	UNKNOWN	29.58	580	J
19.	UNKNOWN	29.64	780	J
20.	UNKNOWN	30.48	1100	J
21.	UNKNOWN	31.39	610	J
22.	UNKNOWN	32.02	540	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7720

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2200	U
111-44-4	bis(2-Chloroethyl)Ether	2200	U
95-57-8	2-Chlorophenol	2200	U
541-73-1	1,3-Dichlorobenzene	2200	U
106-46-7	1,4-Dichlorobenzene	2200	U
95-50-1	1,2-Dichlorobenzene	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2200	U
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-Di-n-Propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
111-91-1	bis(2-Chloroethoxy)Methane	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
120-82-1	1,2,4-Trichlorobenzene	2200	U
91-20-3	Naphthalene	2200	U
106-47-8	4-Chloroaniline	4300	U
87-68-3	Hexachlorobutadiene	2200	U
59-50-7	4-Chloro-3-Methylphenol	4300	U
91-57-6	2-Methylnaphthalene	2200	U
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethyl Phthalate	2200	U
208-96-8	Acenaphthylene	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7720

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	11000	U
83-32-9	Acenaphthene	2200	U
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	2200	U
121-14-2	2,4-Dinitrotoluene	2200	U
84-66-2	Diethylphthalate	2200	U
7005-72-3	4-Chlorophenyl-phenylether	2200	U
86-73-7	Fluorene	2200	U
100-01-6	4-Nitroaniline	4300	U
534-52-1	4,6-Dinitro-2-Methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine (1)	2200	U
101-55-3	4-Bromophenyl-phenylether	2200	U
118-74-1	Hexachlorobenzene	2200	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	2200	U
120-12-7	Anthracene	2200	U
86-74-8	Carbazole	2200	U
84-74-2	Di-n-Butylphthalate	2200	U
206-44-0	Fluoranthene	2200	U
129-00-0	Pyrene	2200	U
85-68-7	Butylbenzylphthalate	590	BJ
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)Anthracene	2200	U
218-01-9	Chrysene	2200	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2200	U
117-84-0	Di-n-Octyl Phthalate	2200	U
205-99-2	Benzo(b)Fluoranthene	2200	U
207-08-9	Benzo(k)Fluoranthene	2200	U
50-32-8	Benzo(a)Pyrene	2200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	2200	U
53-70-3	Dibenz(a,h)Anthracene	2200	U
191-24-2	Benzo(g,h,i)Perylene	2200	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMT5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7720

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 70 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	4.63	35000	ABJ
2.	UNKNOWN	18.59	2500	J
3.	Unknown Alkane	18.84	1100	J
4.	Unknown Alkane	18.94	600	J
5.	Unknown Alkane	19.45	360	J
6.	UNKNOWN	20.49	600	J
7.	UNKNOWN	20.56	240	J
8.	UNKNOWN	20.97	310	J
9.	UNKNOWN	23.17	1300	J
10.	UNKNOWN	28.77	260	J
11.	UNKNOWN	29.97	240	J
12.	UNKNOWN	31.72	660	J
13.	UNKNOWN	31.87	330	J
14.	UNKNOWN	31.97	430	J
15.	UNKNOWN	32.08	600	J
16.	UNKNOWN	32.42	340	J
17.	UNKNOWN	32.74	260	J
18.	UNKNOWN	33.07	220	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMT6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7713

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 0 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl)Ether	660	U
95-57-8	2-Chlorophenol	660	U
541-73-1	1,3-Dichlorobenzene	660	U
106-46-7	1,4-Dichlorobenzene	660	U
95-50-1	1,2-Dichlorobenzene	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-Di-n-Propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
111-91-1	bis(2-Chloroethoxy)Methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
120-82-1	1,2,4-Trichlorobenzene	660	U
91-20-3	Naphthalene	660	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	660	U
59-50-7	4-Chloro-3-Methylphenol	1300	U
91-57-6	2-Methylnaphthalene	660	U
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	660	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	3300	U
131-11-3	Dimethyl Phthalate	660	U
208-96-8	Acenaphthylene	660	U
606-20-2	2,6-Dinitrotoluene	660	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7713

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 0 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3300	U
83-32-9	Acenaphthene	660	U
51-28-5	2,4-Dinitrophenol	3300	U
100-02-7	4-Nitrophenol	3300	U
132-64-9	Dibenzofuran	660	U
121-14-2	2,4-Dinitrotoluene	660	U
84-66-2	Diethylphthalate	660	U
7005-72-3	4-Chlorophenyl-phenylether	660	U
86-73-7	Fluorene	660	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	3300	U
86-30-6	N-Nitrosodiphenylamine (1)	660	U
101-55-3	4-Bromophenyl-phenylether	660	U
118-74-1	Hexachlorobenzene	660	U
87-86-5	Pentachlorophenol	3300	U
85-01-8	Phenanthrene	660	U
120-12-7	Anthracene	660	U
86-74-8	Carbazole	660	U
84-74-2	Di-n-Butylphthalate	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
85-68-7	Butylbenzylphthalate	1100	B
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)Anthracene	660	U
218-01-9	Chrysene	660	U
117-81-7	bis(2-Ethylhexyl)Phthalate	660	U
117-84-0	Di-n-Octyl Phthalate	660	U
205-99-2	Benzo(b)Fluoranthene	660	U
207-08-9	Benzo(k)Fluoranthene	660	U
50-32-8	Benzo(a)Pyrene	660	U
193-39-5	Indeno(1,2,3-cd)Pyrene	660	U
53-70-3	Dibenz(a,h)Anthracene	660	U
191-24-2	Benzo(g,h,i)Perylene	660	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMT6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S34401 SAS No.: SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7713

Level: (low/med) LOW Date Received: 01/18/95

% Moisture: not dec. 0 dec. Date Extracted: 01/20/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/23/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	4.64	14000	ABJ
2.	UNKNOWN	23.70	3500	J
3. 57114	Octadecanoic acid	23.87	140	J
4.	UNKNOWN	24.42	71	J
5.	UNKNOWN	25.31	85	J

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Client ID: BODMT6

Quanterra ID : 7344-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
alpha-BHC	319-84-6	QCBLK57279-1	01/20/95	01/25/95	1.0	UG/KG	U	1.0	1
beta-BHC	319-85-7	QCBLK57279-1	01/20/95	01/25/95	2.0	UG/KG	U	2.0	1
delta-BHC	319-86-8	QCBLK57279-1	01/20/95	01/25/95	3.0	UG/KG	U	3.0	1
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/25/95	1.3	UG/KG	U	1.3	1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/25/95	1.0	UG/KG	U	1.0	1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/25/95	1.3	UG/KG	U	1.3	1
Heptachlor Epoxide	1024-57-3	QCBLK57279-1	01/20/95	01/25/95	28	UG/KG	U	28	1
Endosulfan I	959-98-8	QCBLK57279-1	01/20/95	01/25/95	4.7	UG/KG	U	4.7	1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/25/95	0.67	UG/KG	U	0.67	1
4,4'-DDE	72-55-9	QCBLK57279-1	01/20/95	01/25/95	1.3	UG/KG	U	1.3	1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/25/95	2.0	UG/KG	U	2.0	1
Endosulfan II	33213-65-9	QCBLK57279-1	01/20/95	01/25/95	1.3	UG/KG	U	1.3	1
4,4'-DDD	72-54-8	QCBLK57279-1	01/20/95	01/25/95	3.7	UG/KG	U	3.7	1
Endosulfan Sulfate	1031-07-8	QCBLK57279-1	01/20/95	01/25/95	22	UG/KG	U	22	1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/25/95	4.0	UG/KG	U	4.0	1
Methoxychlor	72-43-5	QCBLK57279-1	01/20/95	01/25/95	59	UG/KG	U	59	1
Endrin Aldehyde	7421-93-4	QCBLK57279-1	01/20/95	01/25/95	7.7	UG/KG	U	7.7	1
Chlordane	57-74-9	QCBLK57279-1	01/20/95	01/25/95	4.7	UG/KG	U	4.7	1
Toxaphene	8001-35-2	QCBLK57279-1	01/20/95	01/25/95	80	UG/KG	U	80	1
Aroclor-1016	12674-11-2	QCBLK57279-1	01/20/95	01/25/95	22	UG/KG	U	22	1
Aroclor-1221	11104-28-2	QCBLK57279-1	01/20/95	01/25/95	33	UG/KG	U	33	1
Aroclor-1232	11141-16-5	QCBLK57279-1	01/20/95	01/25/95	33	UG/KG	U	33	1
Aroclor-1242	53469-21-9	QCBLK57279-1	01/20/95	01/25/95	22	UG/KG	U	22	1
Aroclor-1248	12672-29-6	QCBLK57279-1	01/20/95	01/25/95	33	UG/KG	U	33	1
Aroclor-1254	11097-69-1	QCBLK57279-1	01/20/95	01/25/95	33	UG/KG	U	33	1
Aroclor-1260	11096-82-5	QCBLK57279-1	01/20/95	01/25/95	33	UG/KG	U	33	1
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/25/95	64	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-001MS

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/25/95	95	%REC			1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/25/95	80	%REC			1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/25/95	65	%REC			1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/25/95	76	%REC			1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/25/95	82	%REC			1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/25/95	80	%REC			1
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/25/95	67	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-001MSD

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/25/95	97	%REC			1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/25/95	83	%REC			1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/25/95	72	%REC			1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/25/95	78	%REC			1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/25/95	85	%REC			1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/25/95	76	%REC			1
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/25/95	69	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Client ID: BODMR2

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Quanterra ID : 7344-003

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
alpha-BHC	319-84-6	QCBLK57279-1	01/20/95	01/24/95	2.1	UG/KG	U	2.1	1
beta-BHC	319-85-7	QCBLK57279-1	01/20/95	01/24/95	4.2	UG/KG	U	4.2	1
delta-BHC	319-86-8	QCBLK57279-1	01/20/95	01/24/95	6.3	UG/KG	U	6.3	1
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/24/95	2.8	UG/KG	U	2.8	1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/24/95	2.1	UG/KG	U	2.1	1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/24/95	12	UG/KG		2.7	1
Heptachlor Epoxide	1024-57-3	QCBLK57279-1	01/20/95	01/24/95	58	UG/KG	U	58	1
Endosulfan I	959-98-8	QCBLK57279-1	01/20/95	01/24/95	9.7	UG/KG	U	9.7	1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/24/95	1.4	UG/KG	U	1.4	1
4,4'-DDE	72-55-9	QCBLK57279-1	01/20/95	01/24/95	43	UG/KG	UX	43	1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/24/95	240	UG/KG	UX	240	1
Endosulfan II	33213-65-9	QCBLK57279-1	01/20/95	01/24/95	43	UG/KG	UX	43	1
4,4'-DDD	72-54-8	QCBLK57279-1	01/20/95	01/24/95	27	UG/KG	UX	27	1
Endosulfan Sulfate	1031-07-8	QCBLK57279-1	01/20/95	01/24/95	46	UG/KG	U	46	1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/24/95	330	UG/KG	UX	330	1
Methoxychlor	72-43-5	QCBLK57279-1	01/20/95	01/24/95	120	UG/KG	U	120	1
Endrin Aldehyde	7421-93-4	QCBLK57279-1	01/20/95	01/24/95	71	UG/KG	UX	71	1
Chlordane	57-74-9	QCBLK57279-1	01/20/95	01/24/95	9.7	UG/KG	U	9.7	1
Toxaphene	8001-35-2	QCBLK57279-1	01/20/95	01/24/95	170	UG/KG	U	170	1
Aroclor-1016	12674-11-2	QCBLK57279-1	01/20/95	01/24/95	46	UG/KG	U	46	1
Aroclor-1221	11104-28-2	QCBLK57279-1	01/20/95	01/24/95	70	UG/KG	U	70	1
Aroclor-1232	11141-16-5	QCBLK57279-1	01/20/95	01/24/95	70	UG/KG	U	70	1
Aroclor-1242	53469-21-9	QCBLK57279-1	01/20/95	01/24/95	46	UG/KG	U	46	1
Aroclor-1248	12672-29-6	QCBLK57279-1	01/20/95	01/24/95	70	UG/KG	U	70	1
Aroclor-1254	11097-69-1	QCBLK57279-1	01/20/95	01/24/95	4700	UG/KG		690	10
Aroclor-1260	11096-82-5	QCBLK57279-1	01/20/95	01/24/95	3800	UG/KG		690	10
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/24/95	77	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Client ID: BODMR3

Quanterra ID : 7344-005

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
alpha-BHC	319-84-6	QCBLK57279-1	01/20/95	01/25/95	3.3	UG/KG	U	3.3	1
beta-BHC	319-85-7	QCBLK57279-1	01/20/95	01/25/95	6.6	UG/KG	U	6.6	1
delta-BHC	319-86-8	QCBLK57279-1	01/20/95	01/25/95	10	UG/KG	U	10	1
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/25/95	4.4	UG/KG	U	4.4	1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/25/95	3.3	UG/KG	U	3.3	1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/25/95	65	UG/KG		4.3	1
Heptachlor Epoxide	1024-57-3	QCBLK57279-1	01/20/95	01/25/95	150	UG/KG	UX	150	1
Endosulfan I	959-98-8	QCBLK57279-1	01/20/95	01/25/95	20	UG/KG	UX	20	1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/25/95	2.2	UG/KG	U	2.2	1
4,4'-DDE	72-55-9	QCBLK57279-1	01/20/95	01/25/95	160	UG/KG	UX	160	1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/25/95	810	UG/KG	UX	810	1
Endosulfan II	33213-65-9	QCBLK57279-1	01/20/95	01/25/95	88	UG/KG	UX	88	1
4,4'-DDD	72-54-8	QCBLK57279-1	01/20/95	01/25/95	20	UG/KG	UX	20	1
Endosulfan Sulfate	1031-07-8	QCBLK57279-1	01/20/95	01/25/95	73	UG/KG	U	73	1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/25/95	370	UG/KG	UX	370	1
Methoxychlor	72-43-5	QCBLK57279-1	01/20/95	01/25/95	200	UG/KG	U	200	1
Endrin Aldehyde	7421-93-4	QCBLK57279-1	01/20/95	01/25/95	330	UG/KG	UX	330	1
Chlordane	57-74-9	QCBLK57279-1	01/20/95	01/25/95	16	UG/KG	U	16	1
Toxaphene	8001-35-2	QCBLK57279-1	01/20/95	01/25/95	260	UG/KG	U	260	1
Aroclor-1016	12674-11-2	QCBLK57279-1	01/20/95	01/25/95	73	UG/KG	U	73	1
Aroclor-1221	11104-28-2	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1232	11141-16-5	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1242	53469-21-9	QCBLK57279-1	01/20/95	01/25/95	73	UG/KG	U	73	1
Aroclor-1248	12672-29-6	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1254	11097-69-1	QCBLK57279-1	01/20/95	01/24/95	17000	UG/KG		1100	10
Aroclor-1260	11096-82-5	QCBLK57279-1	01/20/95	01/24/95	12000	UG/KG		1100	10
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/25/95	58	%REC			1

9513.1907

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Client ID: BODMT5

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-006

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
alpha-BHC	319-84-6	QCBLK57279-1	01/20/95	01/25/95	3.3	UG/KG	U	3.3	1
beta-BHC	319-85-7	QCBLK57279-1	01/20/95	01/25/95	6.6	UG/KG	U	6.6	1
delta-BHC	319-86-8	QCBLK57279-1	01/20/95	01/25/95	10	UG/KG	U	10	1
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/25/95	4.4	UG/KG	U	4.4	1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/25/95	3.3	UG/KG	U	3.3	1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/25/95	7.5	UG/KG		4.3	1
Heptachlor Epoxide	1024-57-3	QCBLK57279-1	01/20/95	01/25/95	92	UG/KG	U	92	1
Endosulfan I	959-98-8	QCBLK57279-1	01/20/95	01/25/95	15	UG/KG	U	15	1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/25/95	21	UG/KG	UX	21	1
4,4'-DDE	72-55-9	QCBLK57279-1	01/20/95	01/25/95	5.3	UG/KG	UX	5.3	1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/25/95	6.6	UG/KG	U	6.6	1
Endosulfan II	33213-65-9	QCBLK57279-1	01/20/95	01/25/95	4.4	UG/KG	U	4.4	1
4,4'-DDD	72-54-8	QCBLK57279-1	01/20/95	01/25/95	12	UG/KG	U	12	1
Endosulfan Sulfate	1031-07-8	QCBLK57279-1	01/20/95	01/25/95	73	UG/KG	U	73	1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/25/95	15	UG/KG	UX	15	1
Methoxychlor	72-43-5	QCBLK57279-1	01/20/95	01/25/95	200	UG/KG	U	200	1
Endrin Aldehyde	7421-93-4	QCBLK57279-1	01/20/95	01/25/95	25	UG/KG	U	25	1
Chlordane	57-74-9	QCBLK57279-1	01/20/95	01/25/95	15	UG/KG	U	15	1
Toxaphene	8001-35-2	QCBLK57279-1	01/20/95	01/25/95	260	UG/KG	U	260	1
Aroclor-1016	12674-11-2	QCBLK57279-1	01/20/95	01/25/95	73	UG/KG	U	73	1
Aroclor-1221	11104-28-2	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1232	11141-16-5	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1242	53469-21-9	QCBLK57279-1	01/20/95	01/25/95	73	UG/KG	U	73	1
Aroclor-1248	12672-29-6	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1254	11097-69-1	QCBLK57279-1	01/20/95	01/25/95	480	UG/KG		110	1
Aroclor-1260	11096-82-5	QCBLK57279-1	01/20/95	01/25/95	360	UG/KG		110	1
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/25/95	109	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Pesticide/PCBs
Method: EPA 8080
Matrix: SOLID

Client ID: BODMS9

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-007

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
alpha-BHC	319-84-6	QCBLK57279-1	01/20/95	01/25/95	1.4	UG/KG	U	1.4	1
beta-BHC	319-85-7	QCBLK57279-1	01/20/95	01/25/95	2.8	UG/KG	U	2.8	1
delta-BHC	319-86-8	QCBLK57279-1	01/20/95	01/25/95	4.3	UG/KG	U	4.3	1
gamma-BHC (Lindane)	58-89-9	QCBLK57279-1	01/20/95	01/25/95	1.9	UG/KG	U	1.9	1
Heptachlor	76-44-8	QCBLK57279-1	01/20/95	01/25/95	1.4	UG/KG	U	1.4	1
Aldrin	309-00-2	QCBLK57279-1	01/20/95	01/25/95	4.2	UG/KG		1.9	1
Heptachlor Epoxide	1024-57-3	QCBLK57279-1	01/20/95	01/25/95	39	UG/KG	U	39	1
Endosulfan I	959-98-8	QCBLK57279-1	01/20/95	01/25/95	6.6	UG/KG	U	6.6	1
Dieldrin	60-57-1	QCBLK57279-1	01/20/95	01/25/95	5.4	UG/KG	UX	5.4	1
4,4'-DDE	72-55-9	QCBLK57279-1	01/20/95	01/25/95	17	UG/KG	UX	17	1
Endrin	72-20-8	QCBLK57279-1	01/20/95	01/25/95	2.8	UG/KG	U	2.8	1
Endosulfan II	33213-65-9	QCBLK57279-1	01/20/95	01/25/95	2.6	UG/KG	UX	2.6	1
4,4'-DDD	72-54-8	QCBLK57279-1	01/20/95	01/25/95	16	UG/KG	UX	16	1
Endosulfan Sulfate	1031-07-8	QCBLK57279-1	01/20/95	01/25/95	31	UG/KG	U	31	1
4,4'-DDT	50-29-3	QCBLK57279-1	01/20/95	01/25/95	35	UG/KG	UX	35	1
Methoxychlor	72-43-5	QCBLK57279-1	01/20/95	01/25/95	84	UG/KG	U	84	1
Endrin Aldehyde	7421-93-4	QCBLK57279-1	01/20/95	01/25/95	11	UG/KG	U	11	1
Chlordane	57-74-9	QCBLK57279-1	01/20/95	01/25/95	6.6	UG/KG	U	6.6	1
Toxaphene	8001-35-2	QCBLK57279-1	01/20/95	01/25/95	110	UG/KG	U	110	1
Aroclor-1016	12674-11-2	QCBLK57279-1	01/20/95	01/25/95	47	UG/KG	U	47	1
Aroclor-1221	11104-28-2	QCBLK57279-1	01/20/95	01/25/95	47	UG/KG	U	47	1
Aroclor-1232	11141-16-5	QCBLK57279-1	01/20/95	01/25/95	47	UG/KG	U	47	1
Aroclor-1242	53469-21-9	QCBLK57279-1	01/20/95	01/25/95	47	UG/KG	U	47	1
Aroclor-1248	12672-29-6	QCBLK57279-1	01/20/95	01/25/95	47	UG/KG	U	47	1
Aroclor-1254	11097-69-1	QCBLK57279-1	01/20/95	01/25/95	200	UG/KG		47	1
Aroclor-1260	11096-82-5	QCBLK57279-1	01/20/95	01/25/95	94	UG/KG		47	1
DBC	1770-80-5	QCBLK57279-1	01/20/95	01/25/95	96	%REC			1

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMR2

Lab Name: QUANTERRA,MO Contract: 550.56

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-003

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled : 01-17-95

% Moisture: not dec. 52 dec. _____ Date Extracted: 01-20-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01-24-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	Compound		Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	4.2	U
319-86-8	delta-BHC	6.3	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	58	
959-98-8	Endosulfan I	9.7	U
60-57-1	Dieldrin	1.4	U
72-55-9	4,4'-DDE	43	UX
72-20-8	Endrin	240	UX
33213-65-9	Endosulfan II	43	UX
72-54-8	4,4'-DDD	27	UX
1031-07-8	Endosulfan sulfate	46	U
50-29-3	4,4'-DDT	330	UX
72-43-5	Methoxychlor	120	U
53494-70-5	Endrin Aldehyde	71	UX
57-74-9	Tech. Chlordane	9.7	U
8001-35-2	Toxaphene	170	U
11104-28-2	Aroclor-1221	70	U
11141-28-2	Aroclor-1232	70	U
53469-21-9/12674-11-2	Aroclor-1242/1016	46	U
12672-29-6	Aroclor-1248	70	U
11097-57-4	Aroclor-1254		SD
11096-82-5	Aroclor-1260		SD

U: Concentration of analyte is less than the value given.
SD: See dilution
X: Elevated detection limit due to PCB interference.

FORM I PEST 1/87 Rev.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMR3

Lab Name: QUANTERRA,MO Contract: 550.56

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-005

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled : 01-17-95

% Moisture: not dec. 70 dec. _____ Date Extracted: 01-20-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01-25-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	Compound		Q
319-84-6	alpha-BHC	3.3	U
319-85-7	beta-BHC	6.6	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	4.4	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	65	
1024-57-3	Heptachlor epoxide	150	UX
959-98-8	Endosulfan I	20	UX
60-57-1	Dieldrin	2.2	U
72-55-9	4,4'-DDE	160	UX
72-20-8	Endrin	810	UX
33213-65-9	Endosulfan II	88	UX
72-54-8	4,4'-DDD	20	UX
1031-07-8	Endosulfan sulfate	73	U
50-29-3	4,4'-DDT	370	UX
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin Aldehyde	330	UX
57-74-9	Tech. Chlordane	16	U
8001-35-2	Toxaphene	260	U
11104-28-2	Aroclor-1221	110	U
11141-28-2	Aroclor-1232	110	U
53469-21-9/12674-11-2	Aroclor-1242/1016	73	U
12672-29-6	Aroclor-1248	110	U
11097-57-4	Aroclor-1254		SD
11096-82-5	Aroclor-1260		SD

U: Concentration of analyte is less than the value given.
SD: See dilution
X: Elevated detection limit due to PCB interference.

FORM I PEST 1/87 Rev.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMS9

Name: QUANTERRA,MO Contract: 550.56

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-007

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled : 01-17-95

% Moisture: not dec. 30 dec. _____ Date Extracted: 01-20-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01-25-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	Compound		Q
319-84-6	alpha-BHC	1.4	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	4.3	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.4	U
309-00-2	Aldrin	4.2	
1024-57-3	Heptachlor epoxide	39	U
959-98-8	Endosulfan I	6.6	U
60-57-1	Dieldrin	5.4	UX
72-55-9	4,4'-DDE	17	UX
72-20-8	Endrin	2.8	U
33213-65-9	Endosulfan II	2.6	UX
72-54-8	4,4'-DDD	16	UX
1031-07-8	Endosulfan sulfate	31	U
50-29-3	4,4'-DDT	35	UX
72-43-5	Methoxychlor	84	U
53494-70-5	Endrin Aldehyde	11	U
57-74-9	Tech. Chlordane	6.6	U
8001-35-2	Toxaphene	110	U
11104-28-2	Aroclor-1221	47	U
11141-28-2	Aroclor-1232	47	U
53469-21-9/12674-11-2	Aroclor-1242/1016	47	U
12672-29-6	Aroclor-1248	47	U
11097-57-4	Aroclor-1254	200	
11096-82-5	Aroclor-1260	94	

U: Concentration of analyte is less than the value given.
SD: See dilution
X: Elevated detection limit due to PCB interference.

FORM I PEST 1/87 Rev.

1D [illegible] 1912

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMT5

Lab Name: QUANTERRA,MO Contract: 550.56

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-006

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled : 01-17-95

% Moisture: not dec. 70 dec. _____ Date Extracted: 01-20-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01-25-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	Compound		Q
319-84-6	alpha-BHC	3.3	U
319-85-7	beta-BHC	6.6	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	4.4	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	7.5	
1024-57-3	Heptachlor epoxide	92	U
959-98-8	Endosulfan I	15	U
60-57-1	Dieldrin	21	UX
72-55-9	4,4'-DDE	5.3	UX
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	12	U
1031-07-8	Endosulfan sulfate	73	U
50-29-3	4,4'-DDT	15	UX
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin Aldehyde	25	U
57-74-9	Tech. Chlordane	15	U
8001-35-2	Toxaphene	260	U
11104-28-2	Aroclor-1221	110	U
11141-28-2	Aroclor-1232	110	U
53469-21-9/12674-11-2	Aroclor-1242/1016	73	U
12672-29-6	Aroclor-1248	110	U
11097-57-4	Aroclor-1254	480	
11096-82-5	Aroclor-1260	360	

U: Concentration of analyte is less than the value given.
SD: See dilution
X: Elevated detection limit due to PCB interference.

FORM I PEST 1/87 Rev.

1D 96-356-1913

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMT6

Lab Name: QUANTERRA,MO Contract: 550.56

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: W0386

Matrix: (soil/water) SOIL Lab Sample ID: 7344-001

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled : 01-17-95

% Moisture: not dec. 0 dec. _____ Date Extracted: 01-20-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01-25-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	Compound		Q
319-84-6	alpha-BHC	1.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	1.3	U
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.3	U
1024-57-3	Heptachlor epoxide	28	U
959-98-8	Endosulfan I	4.7	U
60-57-1	Dieldrin	0.67	U
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	2.0	U
33213-65-9	Endosulfan II	1.3	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	59	U
53494-70-5	Endrin Aldehyde	7.7	U
57-74-9	Tech. Chlordane	4.7	U
8001-35-2	Toxaphene	80	U
11104-28-2	Aroclor-1221	33	U
11141-28-2	Aroclor-1232	33	U
53469-21-9/12674-11-2	Aroclor-1242/1016	22	U
12672-29-6	Aroclor-1248	33	U
11097-57-4	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

U: Concentration of analyte is less than the value given.

FORM I PEST 1/87 Rev.

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Aluminum	7429-90-5	QCBLK57519-1	01/24/95	01/25/95	54.8	MG/KG		20.0	1
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	3.3	MG/KG	U	10.0	1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	1.1	MG/KG	B	20.0	1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	0.07	MG/KG	B	0.70	1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	0.38	MG/KG	U	2.0	1
Calcium	7440-70-2	QCBLK57519-1	01/24/95	01/25/95	149	MG/KG	B	500	1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	0.46	MG/KG	B	2.0	1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	0.41	MG/KG	U	5.0	1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	1.6	MG/KG	B	2.5	1
Iron	7439-89-6	QCBLK57519-1	01/24/95	01/25/95	154	MG/KG		10.0	1
Magnesium	7439-95-4	QCBLK57519-1	01/24/95	01/25/95	47.6	MG/KG	B	500	1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	0.70	MG/KG	B	1.5	1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	1.5	MG/KG	U	4.0	1
Potassium	7440-09-7	QCBLK57519-1	01/24/95	01/25/95	266	MG/KG	U	500	1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	0.38	MG/KG	U	20.0	1
Sodium	7440-23-5	QCBLK57519-1	01/24/95	01/25/95	34.1	MG/KG	B	100	1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	1.0	MG/KG	B	5.0	1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	1.9	MG/KG	B	2.0	1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Client ID: BODMT6

Quanterra ID : 7344-001MS

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	102	%REC			1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	101	%REC			1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	108	%REC			1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	96	%REC			1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	105	%REC			1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	105	%REC			1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	105	%REC			1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	106	%REC			1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	105	%REC			1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	107	%REC			1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	103	%REC			1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	107	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Client ID: BODMT6

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-001MSD

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	102	%REC			1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	100	%REC			1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	108	%REC			1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	97	%REC			1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	104	%REC			1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	104	%REC			1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	106	%REC			1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	105	%REC			1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	106	%REC			1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	108	%REC			1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	102	%REC			1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	106	%REC			1

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Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Client ID: BODMR2

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-003

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Aluminum	7429-90-5	QCBLK57519-1	01/24/95	01/25/95	42100	MG/KG		41.8	1
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	9.9	MG/KG	B	20.9	1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	142	MG/KG		41.8	1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	1.1	MG/KG	B	1.5	1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	2.8	MG/KG	B	4.2	1
Calcium	7440-70-2	QCBLK57519-1	01/24/95	01/25/95	7740	MG/KG		1040	1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	50.3	MG/KG		4.2	1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	17.6	MG/KG		10	1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	74.0	MG/KG		5.2	1
Iron	7439-89-6	QCBLK57519-1	01/24/95	01/25/95	39300	MG/KG		20.9	1
Lead	7439-92-1	QCBLK57519-1	01/24/95	01/25/95	76.1	MG/KG		20.9	1
Magnesium	7439-95-4	QCBLK57519-1	01/24/95	01/25/95	6720	MG/KG		1040	1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	421	MG/KG		3.1	1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	19.1	MG/KG		8.4	1
Potassium	7440-09-7	QCBLK57519-1	01/24/95	01/25/95	1200	MG/KG		1040	1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	1.5	MG/KG	B	41.8	1
Sodium	7440-23-5	QCBLK57519-1	01/24/95	01/25/95	315	MG/KG		209	1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	91.3	MG/KG		10	1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	366	MG/KG		4.2	1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Client ID: BODMR3

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-005

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Aluminum	7429-90-5	QCBLK57519-1	01/24/95	01/25/95	69900	MG/KG		66.6	1
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	10.9	MG/KG	U	33.3	1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	130	MG/KG		66.6	1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	0.82	MG/KG	B	2.3	1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	6.3	MG/KG	B	6.7	1
Calcium	7440-70-2	QCBLK57519-1	01/24/95	01/25/95	4670	MG/KG		1660	1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	103	MG/KG		6.7	1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	10.1	MG/KG		17	1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	86.1	MG/KG		8.3	1
Iron	7439-89-6	QCBLK57519-1	01/24/95	01/25/95	25800	MG/KG		33.3	1
Lead	7439-92-1	QCBLK57519-1	01/24/95	01/25/95	519	MG/KG		33.3	1
Magnesium	7439-95-4	QCBLK57519-1	01/24/95	01/25/95	4500	MG/KG		1660	1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	183	MG/KG		5.0	1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	22.5	MG/KG		13	1
Potassium	7440-09-7	QCBLK57519-1	01/24/95	01/25/95	1030	MG/KG	B	1660	1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	1.6	MG/KG	B	66.6	1
Sodium	7440-23-5	QCBLK57519-1	01/24/95	01/25/95	365	MG/KG		333	1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	60.5	MG/KG		17	1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	1050	MG/KG		6.7	1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Client ID: BODMT5

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-006

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Aluminum	7429-90-5	QCBLK57519-1	01/24/95	01/25/95	64800	MG/KG		66.4	1
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	10.9	MG/KG	U	33	1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	107	MG/KG		66.4	1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	0.70	MG/KG	B	2.3	1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	4.6	MG/KG	B	6.6	1
Calcium	7440-70-2	QCBLK57519-1	01/24/95	01/25/95	3300	MG/KG		1660	1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	80.3	MG/KG		6.6	1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	6.6	MG/KG	B	17	1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	53.5	MG/KG		8.3	1
Iron	7439-89-6	QCBLK57519-1	01/24/95	01/25/95	18700	MG/KG		33.2	1
Lead	7439-92-1	QCBLK57519-1	01/24/95	01/25/95	129	MG/KG		33	1
Magnesium	7439-95-4	QCBLK57519-1	01/24/95	01/25/95	3290	MG/KG		1660	1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	137	MG/KG		5.0	1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	18.3	MG/KG		13	1
Potassium	7440-09-7	QCBLK57519-1	01/24/95	01/25/95	885	MG/KG	U	1660	1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	1.3	MG/KG	U	66	1
Sodium	7440-23-5	QCBLK57519-1	01/24/95	01/25/95	225	MG/KG	B	332	1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	38.7	MG/KG		17	1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	885	MG/KG		6.6	1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ICAP Metals
Method: EPA 6010
Matrix: SOLID

Client ID: BODMS9

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/26/95

Quanterra ID : 7344-007

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dilution
Aluminum	7429-90-5	QCBLK57519-1	01/24/95	01/25/95	32300	MG/KG		28.5	1
Antimony	7440-36-0	QCBLK57519-1	01/24/95	01/25/95	4.7	MG/KG	U	14.2	1
Barium	7440-39-3	QCBLK57519-1	01/24/95	01/25/95	163	MG/KG		28.5	1
Beryllium	7440-41-7	QCBLK57519-1	01/24/95	01/25/95	0.78	MG/KG	B	1.0	1
Cadmium	7440-43-9	QCBLK57519-1	01/24/95	01/25/95	1.4	MG/KG	B	2.8	1
Calcium	7440-70-2	QCBLK57519-1	01/24/95	01/25/95	5530	MG/KG		712	1
Chromium	7440-47-3	QCBLK57519-1	01/24/95	01/25/95	39.5	MG/KG		2.8	1
Cobalt	7440-48-4	QCBLK57519-1	01/24/95	01/25/95	11.3	MG/KG		7.1	1
Copper	7440-50-8	QCBLK57519-1	01/24/95	01/25/95	55.8	MG/KG		3.6	1
Iron	7439-89-6	QCBLK57519-1	01/24/95	01/25/95	25900	MG/KG		14.2	1
Lead	7439-92-1	QCBLK57519-1	01/24/95	01/25/95	42.4	MG/KG		14.2	1
Magnesium	7439-95-4	QCBLK57519-1	01/24/95	01/25/95	4330	MG/KG		712	1
Manganese	7439-96-5	QCBLK57519-1	01/24/95	01/25/95	338	MG/KG		2.1	1
Nickel	7440-02-0	QCBLK57519-1	01/24/95	01/25/95	13.1	MG/KG		5.7	1
Potassium	7440-09-7	QCBLK57519-1	01/24/95	01/25/95	1100	MG/KG		712	1
Silver	7440-22-4	QCBLK57519-1	01/24/95	01/25/95	0.72	MG/KG	B	28.5	1
Sodium	7440-23-5	QCBLK57519-1	01/24/95	01/25/95	266	MG/KG		142	1
Vanadium	7440-62-2	QCBLK57519-1	01/24/95	01/25/95	61.6	MG/KG		7.1	1
Zinc	7440-66-6	QCBLK57519-1	01/24/95	01/25/95	230	MG/KG		2.8	1

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMR2

Lab Name: ITAS_ST._LOUIS Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0386

Matrix (soil/water): SOIL Lab Sample ID: 7344-003

Level (low/med): LOW Date Received: 01/18/95

% Solids: 47.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	42100			P
7440-36-0	Antimony	9.9	B		P
7440-38-2	Arsenic	16.0	B		F
7440-39-3	Barium	142			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	2.8	B		P
7440-70-2	Calcium	7740			P
7440-47-3	Chromium	50.3			P
7440-48-4	Cobalt	17.6			P
7440-50-8	Copper	74.0			P
7439-89-6	Iron	39300			P
7439-92-1	Lead	76.1			P
7439-95-4	Magnesium	6720			P
7439-96-5	Manganese	421			P
7440-02-0	Nickel	19.1			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	0.21	U		F
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	315			P
7440-28-0	Thallium	0.24	B		F
7440-62-2	Vanadium	91.3			P
7440-66-6	Zinc	366			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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SW-846

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMR3

Lab Name: ITAS_ST._LOUIS_____ Contract: 550.56____

Lab Code: ITMO__ Case No.:_____ SAS No.:_____ SDG No.: W0386_____

Matrix (soil/water): SOIL_ Lab Sample ID: 7344-005

Level (low/med): LOW__ Date Received: 01/18/95

% Solids: _30.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	69900			P
7440-36-0	Antimony_	10.9	U		P
7440-38-2	Arsenic__	37.2			F
7440-39-3	Barium___	130			P
7440-41-7	Beryllium	0.82	B		P
7440-43-9	Cadmium__	6.3	B		P
7440-70-2	Calcium__	4670			P
7440-47-3	Chromium_	103			P
7440-48-4	Cobalt___	10.1	B		P
7440-50-8	Copper___	86.1			P
7439-89-6	Iron_____	25800			P
7439-92-1	Lead_____	519			P
7439-95-4	Magnesium	4500			P
7439-96-5	Manganese	183			P
7440-02-0	Nickel___	22.5			P
7440-09-7	Potassium	1030	B		P
7782-49-2	Selenium_	0.33	U		F
7440-22-4	Silver___	1.6	B		P
7440-23-5	Sodium___	365			P
7440-28-0	Thallium_	0.30	U		F
7440-62-2	Vanadium_	60.5			P
7440-66-6	Zinc_____	1050			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS9

Lab Name: ITAS_ST._LOUIS Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0386

Matrix (soil/water): SOIL Lab Sample ID: 7344-007

Level (low/med): LOW Date Received: 01/18/95

% Solids: 70.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32300			P
7440-36-0	Antimony	4.7	U		P
7440-38-2	Arsenic	14.4			F
7440-39-3	Barium	163			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	5530			P
7440-47-3	Chromium	39.5			P
7440-48-4	Cobalt	11.3			P
7440-50-8	Copper	55.8			P
7439-89-6	Iron	25900			P
7439-92-1	Lead	42.4			P
7439-95-4	Magnesium	4330			P
7439-96-5	Manganese	338			P
7440-02-0	Nickel	13.1			P
7440-09-7	Potassium	1100			P
7782-49-2	Selenium	0.14	U		F
7440-22-4	Silver	0.72	B		P
7440-23-5	Sodium	266			P
7440-28-0	Thallium	0.14	B		F
7440-62-2	Vanadium	61.6			P
7440-66-6	Zinc	230			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMT5

Lab Name: ITAS_ST._LOUIS Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0386

Matrix (soil/water): SOIL Lab Sample ID: 7344-006

Level (low/med): LOW Date Received: 01/18/95

% Solids: 30.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	64800			P
7440-36-0	Antimony	10.9	U		P
7440-38-2	Arsenic	43.7			F
7440-39-3	Barium	107			P
7440-41-7	Beryllium	0.70	B		P
7440-43-9	Cadmium	4.6	B		P
7440-70-2	Calcium	3300			P
7440-47-3	Chromium	80.3			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	53.5			P
7439-89-6	Iron	18700			P
7439-92-1	Lead	129			P
7439-95-4	Magnesium	3290			P
7439-96-5	Manganese	137			P
7440-02-0	Nickel	18.3			P
7440-09-7	Potassium	885	U		P
7782-49-2	Selenium	0.33	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	225	B		P
7440-28-0	Thallium	0.43	B		F
7440-62-2	Vanadium	38.7			P
7440-66-6	Zinc	885			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMT6

Lab Name: ITAS_ST._LOUIS Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0386

Matrix (soil/water): SOIL Lab Sample ID: 7344-001

Level (low/med): LOW Date Received: 01/18/95

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	54.8			P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	0.12	U		F
7440-39-3	Barium	1.1	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.38	U		P
7440-70-2	Calcium	149	B		P
7440-47-3	Chromium	0.46	B		P
7440-48-4	Cobalt	0.41	U		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	154			P
7439-92-1	Lead	0.08	U		F
7439-95-4	Magnesium	47.6	B		P
7439-96-5	Manganese	0.70	B		P
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	266	U		P
7782-49-2	Selenium	0.10	U		F
7440-22-4	Silver	0.38	U		P
7440-23-5	Sodium	34.1	B		P
7440-28-0	Thallium	0.10	B		F
7440-62-2	Vanadium	1.0	B		P
7440-66-6	Zinc	1.9	B		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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SW-846

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: CHLORIDE
Method: EPA 300.0
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	2.96	UG/G		2.47	1
BODMT6	7344-001DUP	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	2.96	UG/G		2.46	1
BODMT6	7344-001MS	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	102	%REC			5
BODMR2	7344-003	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	16.9	UG/G		5.19	1
BODMR3	7344-005	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	21.5	UG/G		8.19	1
BODMT5	7344-006	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	17.6	UG/G		8.16	1
BODMS9	7344-007	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	81.7	UG/G		17.3	5
NA	QCBLK57444-2	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	2.50	UG/G	U	2.50	1
NA	QCLCS57444-2	Chloride	16887-00-6	QCBLK57444-2	01/20/95	01/20/95	94	%REC			

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: FLUORIDE
Method: EPA 300.0
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
BODMT6	7344-001	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	0.99	UG/G	U	0.99	1
BODMT6	7344-001DUP	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	0.98	UG/G	U	0.98	1
BODMT6	7344-001MS	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	107	%REC			1
BODMR2	7344-003	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	2.07	UG/G	U	2.07	1
BODMR3	7344-005	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	6.45	UG/G		3.28	1
BODMT5	7344-006	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	3.26	UG/G	U	3.26	1
BODMS9	7344-007	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	1.39	UG/G	U	1.39	1
NA	QCBLK57444-2	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	1.00	UG/G	U	1.00	1
NA	QCLCS57444-2	Fluoride	16984-48-8	QCBLK57444-2	01/20/95	01/20/95	103	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: NITRATE
Method: EPA 300.0
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	0.20	UG/G	U	0.20	1
BODMT6	7344-001DUP	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	0.20	UG/G	U	0.20	1
BODMT6	7344-001MS	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	106	%REC			1
BODMR2	7344-003	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	78.4	UG/G		2.07	5
BODMR3	7344-005	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	40.2	UG/G		1.31	2
BODMT5	7344-006	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	0.65	UG/G	U	0.65	1
BODMS9	7344-007	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	20.0	UG/G		0.55	2
NA	QCBLK57444-2	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	0.20	UG/G	U	0.20	1
NA	QCLCS57444-2	Nitrate	14797-55-8	QCBLK57444-2	01/20/95	01/20/95	100	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Nitrite
Method: EPA 300.0
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.20	UG/G	U	0.20	1
BODMT6	7344-001DUP	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.20	UG/G	U	0.20	1
BODMT6	7344-001MS	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	103	%REC			5
BODMR2	7344-003	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.42	UG/G	U	0.42	1
BODMR3	7344-005	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.66	UG/G	U	0.66	1
BODMT5	7344-006	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.65	UG/G	U	0.65	1
BODMS9	7344-007	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.28	UG/G	U	0.28	1
NA	QCBLK57444-2	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	0.20	UG/G	U	0.20	1
NA	QCLCS57444-2	Nitrite	7632-00-0	QCBLK57444-2	01/20/95	01/20/95	104	%REC			

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Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: ORTHOPHOSPHATE
Method: EPA 300.0
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	9.86	UG/G	U	9.86	1
BODMT6	7344-001DUP	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	9.84	UG/G	U	9.84	1
BODMT6	7344-001MS	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	102	%REC			1
BODMR2	7344-003	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	20.7	UG/G	U	20.7	1
BODMR3	7344-005	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	32.8	UG/G	U	32.8	1
BODMT5	7344-006	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	32.6	UG/G	U	32.6	1
BODMS9	7344-007	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	13.9	UG/G	U	13.9	1
NA	QCBLK57444-2	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	10.0	UG/G	U	10.0	1
NA	QCLCS57444-2	Ortho-Phosphate	7778-77-0	QCBLK57444-2	01/20/95	01/20/95	96	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: SULFATE
Method: EPA 300.0
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	9.86	UG/G	U	9.86	1
BODMT6	7344-001DUP	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	9.84	UG/G	U	9.84	1
BODMT6	7344-001MS	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	101	%REC			5
BODMR2	7344-003	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	2130	UG/G		207	10
BODMR3	7344-005	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	4390	UG/G		328	10
BODMT5	7344-006	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	2100	UG/G		163	5
BODMS9	7344-007	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	774	UG/G	U	69.3	5
NA	QCBLK57444-2	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	10.0	UG/G	U	10.0	1
NA	QCLCS57444-2	Sulfate	14808-79-8	QCBLK57444-2	01/20/95	01/20/95	97	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: NO2-NO3
Method: EPA 353.1
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	0.48	UG/G	U	0.48	1
BODMT6	7344-001DUP	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	0.50	UG/G	U	0.50	1
BODMT6	7344-001MS	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	104	%REC			1
BODMR2	7344-003	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	60.8	UG/G		5.17	5
BODMR3	7344-005	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	19.3	UG/G		1.64	1
BODMT5	7344-006	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	1.59	UG/G	U	1.59	1
NA	QCBLK57497-2	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	0.50	UG/G	U	0.50	1
NA	QCLCS57497-2	Nitrate/Nitrite	C-005	QCBLK57497-2	01/24/95	01/24/95	92	%REC			1

Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: Sulfide
Method: EPA 9030
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 02/28/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
BODMT6	7344-001	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	10.8	UG/G		10.6	1
BODMT6	7344-001DUP	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	10.6	UG/G	U	10.6	1
BODMT6	7344-001MS	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	78	%REC			1
BODMR2	7344-003	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	22.4	UG/G	U	22.4	1
BODMR3	7344-005	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	39.9	UG/G		36.2	1
BODMT5	7344-006	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	36.4	UG/G		36.1	1
BODMS9	7344-007	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	15.3	UG/G	U	15.3	1
NA	QCBLK57691-1	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	10.6	UG/G	U	10.6	1
NA	QCLCS57691-1	Sulfide	18496-25-8	QCBLK57691-1	01/23/95	01/23/95	84	%REC			1

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Quanterra-Richland
P.O. Box 1970
Richland, WA 99352

Project: 550.56

Category: TOX
Method: EPA 9020
Matrix: SOLID

Sample Date : 01/17/95
Receipt Date : 01/18/95
Report Date : 03/08/95

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BODMT6	7344-001	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	47.1	UG/G	U	47.1	1
BODMT6	7344-001DUP	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	46.1	UG/G	U	46.1	1
BODMT6	7344-001MS	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	101	%REC			1
BODMR2	7344-003	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	96.5	UG/G	U	96.5	1
BODMR3	7344-005	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	154	UG/G	U	154	1
BODMT5	7344-006	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	153	UG/G	U	153	1
NA	QCBLK58657-1	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	50.0	UG/G	U	50.0	1
NA	QCLCS58657-1	EOX	IT-EOX	QCBLK58657-1	02/08/95	02/08/95	99	%REC			1

001679

Quanterra
Environmental Services

W0403

CERTIFICATE OF ANALYSIS

MAR 1995
RECEIVED
Data
Log In

Bechtel Hanford Incorporated
P.O. Box 1970
Richland, Washington 99352

March 7, 1995

Attention: Joan Kessner

Project number	:	550.56
Date Received by Lab	:	January 30 and February 1, 1995
Number of Samples	:	Nineteen (19)
Sample Type	:	Soil
SDG Number	:	W0403
Data Deliverable	:	Summary

I. Introduction

On January 30 and February 1, 1995, nineteen (19) soil samples were received by Quanterra, Richland and transferred to Quanterra, St. Louis for chemical analyses. Upon receipt, the samples were given the following laboratory ID numbers to correspond with the specific client ID's:

St Louis ID	WHC ID	Richland ID	Matrix	Date of Receipt
7444-001	B0DMS4	50151701	Soil	01/30/95
7444-002	B0DMR9	50151702	Soil	01/30/95
7444-003	B0DMR6	50151704	Soil	01/30/95
7444-004	B0DMR7	50151705	Soil	01/30/95
7444-005	B0DMS6	50151706	Soil	01/30/95
7444-006	B0DMS0	50151710	Soil	01/30/95
7444-007	B0DMS7	50151711	Soil	01/30/95
7444-009	B0DMR4	50151713	Soil	01/30/95
7444-010	B0DMR5	50151714	Soil	01/30/95
7444-011	B0DMX5	50151715	Soil	01/30/95
7444-012	B0DMS3	50151716	Soil	01/30/95
7444-013	B0DMT0	50151703	Soil	01/30/95
7444-014	B0DMT1	50151707	Soil	01/30/95

Bechtel Hanford Incorporated
March 7, 1995
Project Number: 550.56
SDG: W0403
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St Louis ID	WHC ID	Richland ID	Matrix	Date of Receipt
7444-015	B0DMS8	50151708	Soil	01/30/95
7444-016	B0DMT9	50151717	Soil	01/30/95
7444-017	B0DMT7	50151709	Soil	01/30/95
7466-001	B0DMV0	50201901	Soil	02/01/95
7466-002	B0DMV1	50201902	Soil	02/01/95
7466-003	B0DMV2	50201903	Soil	02/01/95

II. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits.

Analyses requested: Volatiles by EPA method 8240. BNA's by EPA method 8270. Pest/PCB by EPA method 8080. ICP by EPA method 6010. Arsenic by EPA method 7060. Lead by EPA method 7421. Selenium by EPA method 7740. Thallium by EPA method 7841. Chloride, Fluoride, Nitrate, Nitrite, Phosphate and Sulfate by EPA method 300.0. Nitrate/Nitrite by EPA method 353.1. TOX by EPA method 9020. Sulfide by EPA method 9030.

III. Quality Control

A Laboratory Control Sample and Method Blank were analyzed with each preparation batch. Matrix Spike and Matrix Spike Duplicate or Sample Duplicate were performed per the protocol for each analyte in this SDG.

IV. Definitions

The following codes are used to denote laboratory quality control samples and can be found in the data summary section of this report:

QCBLK-	Quality Control Blank, Method Blank
QCLCS-	Quality Control Laboratory Control Sample, Blank Spike
"X"-	Flag is used for some pesticides because their detection limits are elevated due to PCB interference.
"Y"-	Target analyte quantitated on re-analysis.

V. Comments

Samples that arrived in St. Louis on January 30, 1995 were received at 0°C and 1 °C which is not within the recommended 4°C ± 2°C.

Samples B0DMR4, B0DMR9, B0DMS6, B0DMT1, B0DMR5, B0DMS0, B0DMS7, B0DMR6, B0DMS3, B0DMS8, B0DMT7, B0DMR7, B0DMS4, B0DMT0, B0DMT9, B0SMX5, B0DMV0, B0DV1, and B0DMV2 are reported in SDG W0403 as a summary package. Sample B0DMT4 is reported in SDG W0430 as a standalone package. See ROD-B95-013.

Samples 7444-002, -009 and -010 gave a low response for chlorobenzene-d5 internal standard per the CLP SOW. Method 8240 does not require re-analysis for this criteria.

Samples 7444-005 and -012 gave low responses for all three internal standards per the CLP SOW. Method 8240 does not require re-analysis for this criteria.

Sample 7444-005 and 7444-010 gave low responses for perylene-d12 internal standard per the CLP SOW. Method 8270 does not require re-analysis for this criteria.

Samples 7444-001MS and MSD gave high RPD's for 1,2,4-trichlorobenzene at 25% (UCL=23%) and acenaphthene at 26% (UCL=19%).

Sample 7444-015 was re-analyzed for DDT and Methoxychlor because the initial run had too much breakdown in the GC for these compounds, and thus the GC sensitivity for them decreased. Upon re-analysis the continuing calibration had a %Difference greater than 15% for Methoxychlor, but there are no positive hits for this compound in the sample and the results are reported as is.

Matrix Spike and Matrix Spike Duplicate for antimony were outside of suggested limits of 75-125 percent on sample 7444-001.

Matrix Spike Duplicate for thallium was outside of suggested limits of 75-125 percent on sample 7444-001.

Matrix Spike and Matrix Spike Duplicate for manganese were outside of suggested limits of 75-125 percent on sample 7444-001. The sample concentration was greater than four times the spike amount.

Nitrate, nitrite, and phosphate hold times expired upon receipt.

Relative Percent Difference for fluoride, chloride, phosphate, and nitrite could not be calculated due to values being below the detection limits on sample 7444-001.

Relative Percent Difference for sulfide could not be calculated due to values being below the detection limit on sample 7444-001.

Relative Percent Difference for TOX could not be calculated due to values being below the detection limit on sample 7444-001.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-009

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2002

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	8	B
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	54	U
591-78-6	2-Hexanone	54	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-009

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2002

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2003

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 53 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	210	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	210	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	110	U
591-78-6	2-Hexanone	110	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMR5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2003

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 53 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1995

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 84 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	62	U
74-83-9	Bromomethane	62	U
75-01-4	Vinyl Chloride	62	U
75-00-3	Chloroethane	62	U
75-09-2	Methylene Chloride	46	B
67-64-1	Acetone	290	J
75-15-0	Carbon Disulfide	31	U
75-35-4	1,1-Dichloroethene	31	U
75-34-3	1,1-Dichloroethane	31	U
540-59-0	1,2-Dichloroethene (total)	31	U
67-66-3	Chloroform	31	U
107-06-2	1,2-Dichloroethane	31	U
78-93-3	2-Butanone	620	U
71-55-6	1,1,1-Trichloroethane	31	U
56-23-5	Carbon Tetrachloride	31	U
75-27-4	Bromodichloromethane	31	U
78-87-5	1,2-Dichloropropane	31	U
10061-01-5	cis-1,3-Dichloropropene	31	U
79-01-6	Trichloroethene	31	U
124-48-1	Dibromochloromethane	31	U
79-00-5	1,1,2-Trichloroethane	31	U
71-43-2	Benzene	31	U
10061-02-6	trans-1,3-Dichloropropene	31	U
75-25-2	Bromoform	31	U
108-10-1	4-Methyl-2-Pentanone	310	U
591-78-6	2-Hexanone	310	U
127-18-4	Tetrachloroethene	31	U
79-34-5	1,1,2,2-Tetrachloroethane	31	U
108-88-3	Toluene	31	U
108-90-7	Chlorobenzene	31	U
100-41-4	Ethylbenzene	31	U
100-42-5	Styrene	31	U
1330-20-7	Xylene (total)	31	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMR6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1995

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 84 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.37	160	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1996

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 9 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	55	U
591-78-6	2-Hexanone	55	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMR7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1996

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 9 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.36	34	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR9

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1984

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 14 Date Analyzed: 02/03/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	120	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	120	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	58	U
591-78-6	2-Hexanone	58	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR9

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1984

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 14 Date Analyzed: 02/03/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2018

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 6 Date Analyzed: 02/07/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	53	U
591-78-6	2-Hexanone	53	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2018

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 6 Date Analyzed: 02/07/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.37	26	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-012

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2005

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	54	U
591-78-6	2-Hexanone	54	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-012

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2005

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.94	6	J
2.	UNKNOWN	19.58	10	J
3.	UNKNOWN	22.36	150	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2015

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 4 Date Analyzed: 02/07/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	52	U
591-78-6	2-Hexanone	52	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMS4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2015

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 4 Date Analyzed: 02/07/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.36	9	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2017

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 56 Date Analyzed: 02/07/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	23	U
74-83-9	Bromomethane	23	U
75-01-4	Vinyl Chloride	23	U
75-00-3	Chloroethane	23	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	230	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	230	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	110	U
591-78-6	2-Hexanone	110	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2017

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 56 Date Analyzed: 02/07/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.37	59	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-007

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1999

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 12 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	57	U
591-78-6	2-Hexanone	57	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-007

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E1999

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 12 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.37	20	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2051

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 11 Date Analyzed: 02/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	56	U
591-78-6	2-Hexanone	56	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMV0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2051

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 11 Date Analyzed: 02/10/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV1

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2052

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 6 Date Analyzed: 02/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	9	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	53	U
591-78-6	2-Hexanone	53	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMV1

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2052

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 6 Date Analyzed: 02/10/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2053

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 8 Date Analyzed: 02/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	110	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	110	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	54	U
591-78-6	2-Hexanone	54	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMV2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2053

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 8 Date Analyzed: 02/10/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMX5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-011

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2004

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 0 Date Analyzed: 02/06/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMX5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMP Case No.: V44401 SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-011

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2004

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 0 Date Analyzed: 02/06/95

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.60	6	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-009

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6760

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	710	U
111-44-4	bis(2-Chloroethyl)Ether	710	U
95-57-8	2-Chlorophenol	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
95-50-1	1,2-Dichlorobenzene	710	U
95-48-7	2-Methylphenol	710	U
108-60-1	2,2'-oxybis(1-Chloropropane)	710	U
106-44-5	4-Methylphenol	710	U
621-64-7	N-Nitroso-Di-n-Propylamine	710	U
67-72-1	Hexachloroethane	710	U
98-95-3	Nitrobenzene	710	U
78-59-1	Isophorone	710	U
88-75-5	2-Nitrophenol	710	U
105-67-9	2,4-Dimethylphenol	710	U
111-91-1	bis(2-Chloroethoxy)Methane	710	U
120-83-2	2,4-Dichlorophenol	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
91-20-3	Naphthalene	710	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	710	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	710	U
77-47-4	Hexachlorocyclopentadiene	710	U
88-06-2	2,4,6-Trichlorophenol	710	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	710	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethyl Phthalate	710	U
208-96-8	Acenaphthylene	710	U
606-20-2	2,6-Dinitrotoluene	710	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-009

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6760

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	710	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	710	U
121-14-2	2,4-Dinitrotoluene	710	U
84-66-2	Diethylphthalate	710	U
7005-72-3	4-Chlorophenyl-phenylether	710	U
86-73-7	Fluorene	710	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine (1)	710	U
101-55-3	4-Bromophenyl-phenylether	710	U
118-74-1	Hexachlorobenzene	710	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	710	U
120-12-7	Anthracene	710	U
86-74-8	Carbazole	710	U
84-74-2	Di-n-Butylphthalate	710	U
206-44-0	Fluoranthene	710	U
129-00-0	Pyrene	710	U
85-68-7	Butylbenzylphthalate	94	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	710	U
218-01-9	Chrysene	710	U
117-81-7	bis(2-Ethylhexyl)Phthalate	710	U
117-84-0	Di-n-Octyl Phthalate	710	U
205-99-2	Benzo(b)Fluoranthene	710	U
207-08-9	Benzo(k)Fluoranthene	710	U
50-32-8	Benzo(a)Pyrene	710	U
193-39-5	Indeno(1,2,3-cd)Pyrene	710	U
53-70-3	Dibenz(a,h)Anthracene	710	U
191-24-2	Benzo(g,h,i)Perylene	710	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-009

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6760

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.26	17000	ABJ
2.	UNKNOWN	14.25	230	J
3.	UNKNOWN	24.87	78	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-010

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6761

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 53 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)Ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)Methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	2800	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-Methylphenol	2800	U
91-57-6	2-Methylnaphthalene	1400	U
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	7000	U
131-11-3	Dimethyl Phthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-010

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6761

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 53 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	7000	U
83-32-9	Acenaphthene	1400	U
51-28-5	2,4-Dinitrophenol	7000	U
100-02-7	4-Nitrophenol	7000	U
132-64-9	Dibenzofuran	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
86-73-7	Fluorene	1400	U
100-01-6	4-Nitroaniline	2800	U
534-52-1	4,6-Dinitro-2-Methylphenol	7000	U
86-30-6	N-Nitrosodiphenylamine (1)	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	7000	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	1400	U
86-74-8	Carbazole	1400	U
84-74-2	Di-n-Butylphthalate	1400	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	310	J
85-68-7	Butylbenzylphthalate	430	BJ
91-94-1	3,3'-Dichlorobenzidine	2800	U
56-55-3	Benzo(a)Anthracene	110	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)Phthalate	160	J
117-84-0	Di-n-Octyl Phthalate	1400	U
205-99-2	Benzo(b)Fluoranthene	220	J
207-08-9	Benzo(k)Fluoranthene	1400	U
50-32-8	Benzo(a)Pyrene	110	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1400	U
53-70-3	Dibenz(a,h)Anthracene	1400	U
191-24-2	Benzo(g,h,i)Perylene	1400	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMR5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-010

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6761

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 53 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.25	34000	ABJ
2.	UNKNOWN	14.30	3200	J
3.	UNKNOWN	18.53	19000	J
4. 629787	Heptadecane	18.63	8500	J
5.	UNKNOWN	19.14	8600	J
6.	UNKNOWN	20.28	5100	J
7.	UNKNOWN	21.39	2100	J
8. 57103	Hexadecanoic acid	21.62	15000	J
9.	UNKNOWN	23.47	6500	J
10. 57114	Octadecanoic acid	23.63	6400	J
11.	UNKNOWN	24.92	3500	J
12.	UNKNOWN	25.82	2600	J
13.	UNKNOWN	26.69	6600	J
14.	UNKNOWN	28.32	2400	J
15.	UNKNOWN	28.44	2100	J
16.	UNKNOWN	29.90	3600	J
17.	UNKNOWN	31.84	2500	J
18.	UNKNOWN	32.49	4600	J
19.	UNKNOWN	32.97	2200	J
20.	UNKNOWN	33.54	5100	J
21.	UNKNOWN	34.89	4000	J
22.	UNKNOWN	35.88	3600	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-003

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6743

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 84 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4100	U
111-44-4	bis(2-Chloroethyl)Ether	4100	U
95-57-8	2-Chlorophenol	4100	U
541-73-1	1,3-Dichlorobenzene	4100	U
106-46-7	1,4-Dichlorobenzene	4100	U
95-50-1	1,2-Dichlorobenzene	4100	U
95-48-7	2-Methylphenol	4100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4100	U
106-44-5	4-Methylphenol	4100	U
621-64-7	N-Nitroso-Di-n-Propylamine	4100	U
67-72-1	Hexachloroethane	4100	U
98-95-3	Nitrobenzene	4100	U
78-59-1	Isophorone	4100	U
88-75-5	2-Nitrophenol	4100	U
105-67-9	2,4-Dimethylphenol	4100	U
111-91-1	bis(2-Chloroethoxy)Methane	4100	U
120-83-2	2,4-Dichlorophenol	4100	U
120-82-1	1,2,4-Trichlorobenzene	4100	U
91-20-3	Naphthalene	4100	U
106-47-8	4-Chloroaniline	8100	U
87-68-3	Hexachlorobutadiene	4100	U
59-50-7	4-Chloro-3-Methylphenol	8100	U
91-57-6	2-Methylnaphthalene	4100	U
77-47-4	Hexachlorocyclopentadiene	4100	U
88-06-2	2,4,6-Trichlorophenol	4100	U
95-95-4	2,4,5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	4100	U
88-74-4	2-Nitroaniline	21000	U
131-11-3	Dimethyl Phthalate	4100	U
208-96-8	Acenaphthylene	4100	U
606-20-2	2,6-Dinitrotoluene	4100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-003

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6743

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 84 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	21000	U
83-32-9	Acenaphthene	4100	U
51-28-5	2,4-Dinitrophenol	21000	U
100-02-7	4-Nitrophenol	21000	U
132-64-9	Dibenzofuran	4100	U
121-14-2	2,4-Dinitrotoluene	4100	U
84-66-2	Diethylphthalate	4100	U
7005-72-3	4-Chlorophenyl-phenylether	4100	U
86-73-7	Fluorene	4100	U
100-01-6	4-Nitroaniline	8100	U
534-52-1	4,6-Dinitro-2-Methylphenol	21000	U
86-30-6	N-Nitrosodiphenylamine (1)	4100	U
101-55-3	4-Bromophenyl-phenylether	4100	U
118-74-1	Hexachlorobenzene	4100	U
87-86-5	Pentachlorophenol	21000	U
85-01-8	Phenanthrene	4100	U
120-12-7	Anthracene	4100	U
86-74-8	Carbazole	4100	U
84-74-2	Di-n-Butylphthalate	4100	U
206-44-0	Fluoranthene	4100	U
129-00-0	Pyrene	4100	U
85-68-7	Butylbenzylphthalate	1900	BJ
91-94-1	3,3'-Dichlorobenzidine	8100	U
56-55-3	Benzo(a)Anthracene	4100	U
218-01-9	Chrysene	4100	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4100	U
117-84-0	Di-n-Octyl Phthalate	4100	U
205-99-2	Benzo(b)Fluoranthene	4100	U
207-08-9	Benzo(k)Fluoranthene	4100	U
50-32-8	Benzo(a)Pyrene	4100	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4100	U
53-70-3	Dibenz(a,h)Anthracene	4100	U
191-24-2	Benzo(g,h,i)Perylene	4100	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-003

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6743

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 84 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.29	99000	ABJ
2.	UNKNOWN	18.58	2200	J
3.	UNKNOWN	18.69	1900	J
4.	UNKNOWN	21.44	1400	J
5.	UNKNOWN	21.62	2400	J
6.	UNKNOWN	24.96	1800	J
7.	UNKNOWN	26.21	2200	J
8.	UNKNOWN	26.70	5000	J
9.	UNKNOWN	27.56	1800	J
10.	UNKNOWN	27.84	2300	J
11.	UNKNOWN	28.00	2400	J
12.	UNKNOWN	28.40	2100	J
13.	UNKNOWN	29.22	3400	J
14.	UNKNOWN	29.43	1900	J
15.	UNKNOWN	32.60	4300	J
16.	UNKNOWN	32.79	1800	J
17.	UNKNOWN	33.20	2100	J
18.	UNKNOWN	33.69	3800	J
19.	UNKNOWN	34.30	1600	J
20.	UNKNOWN	34.91	2900	J
21.	UNKNOWN	35.13	4300	J
22.	UNKNOWN	36.06	3800	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-004

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6744

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 9 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	720	U
111-44-4	bis(2-Chloroethyl)Ether	720	U
95-57-8	2-Chlorophenol	720	U
541-73-1	1,3-Dichlorobenzene	720	U
106-46-7	1,4-Dichlorobenzene	720	U
95-50-1	1,2-Dichlorobenzene	720	U
95-48-7	2-Methylphenol	720	U
108-60-1	2,2'-oxybis(1-Chloropropane)	720	U
106-44-5	4-Methylphenol	720	U
621-64-7	N-Nitroso-Di-n-Propylamine	720	U
67-72-1	Hexachloroethane	720	U
98-95-3	Nitrobenzene	720	U
78-59-1	Isophorone	720	U
88-75-5	2-Nitrophenol	720	U
105-67-9	2,4-Dimethylphenol	720	U
111-91-1	bis(2-Chloroethoxy)Methane	720	U
120-83-2	2,4-Dichlorophenol	720	U
120-82-1	1,2,4-Trichlorobenzene	720	U
91-20-3	Naphthalene	720	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	720	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	720	U
77-47-4	Hexachlorocyclopentadiene	720	U
88-06-2	2,4,6-Trichlorophenol	720	U
95-95-4	2,4,5-Trichlorophenol	720	U
91-58-7	2-Chloronaphthalene	720	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethyl Phthalate	720	U
208-96-8	Acenaphthylene	720	U
606-20-2	2,6-Dinitrotoluene	720	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-004

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6744

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 9 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	720	U
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	720	U
121-14-2	2,4-Dinitrotoluene	720	U
84-66-2	Diethylphthalate	720	U
7005-72-3	4-Chlorophenyl-phenylether	720	U
86-73-7	Fluorene	720	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine (1)	720	U
101-55-3	4-Bromophenyl-phenylether	720	U
118-74-1	Hexachlorobenzene	720	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	720	U
120-12-7	Anthracene	720	U
86-74-8	Carbazole	720	U
84-74-2	Di-n-Butylphthalate	720	U
206-44-0	Fluoranthene	720	U
129-00-0	Pyrene	720	U
85-68-7	Butylbenzylphthalate	560	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	720	U
218-01-9	Chrysene	720	U
117-81-7	bis(2-Ethylhexyl)Phthalate	720	U
117-84-0	Di-n-Octyl Phthalate	720	U
205-99-2	Benzo(b)Fluoranthene	720	U
207-08-9	Benzo(k)Fluoranthene	720	U
50-32-8	Benzo(a)Pyrene	720	U
193-39-5	Indeno(1,2,3-cd)Pyrene	720	U
53-70-3	Dibenz(a,h)Anthracene	720	U
191-24-2	Benzo(g,h,i)Perylene	720	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMR7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-004

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6744

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 9 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.30	18000	ABJ
2.	UNKNOWN	24.95	90	J
3.	UNKNOWN	26.75	110	J
4.	UNKNOWN	36.39	160	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMR9

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-002

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6742

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 14 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760	U
111-44-4	bis(2-Chloroethyl)Ether	760	U
95-57-8	2-Chlorophenol	760	U
541-73-1	1,3-Dichlorobenzene	760	U
106-46-7	1,4-Dichlorobenzene	760	U
95-50-1	1,2-Dichlorobenzene	760	U
95-48-7	2-Methylphenol	760	U
108-60-1	2,2'-oxybis(1-Chloropropane)	760	U
106-44-5	4-Methylphenol	760	U
621-64-7	N-Nitroso-Di-n-Propylamine	760	U
67-72-1	Hexachloroethane	760	U
98-95-3	Nitrobenzene	760	U
78-59-1	Isophorone	760	U
88-75-5	2-Nitrophenol	760	U
105-67-9	2,4-Dimethylphenol	760	U
111-91-1	bis(2-Chloroethoxy)Methane	760	U
120-83-2	2,4-Dichlorophenol	760	U
120-82-1	1,2,4-Trichlorobenzene	760	U
91-20-3	Naphthalene	760	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	760	U
59-50-7	4-Chloro-3-Methylphenol	1500	U
91-57-6	2-Methylnaphthalene	760	U
77-47-4	Hexachlorocyclopentadiene	760	U
88-06-2	2,4,6-Trichlorophenol	760	U
95-95-4	2,4,5-Trichlorophenol	760	U
91-58-7	2-Chloronaphthalene	760	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethyl Phthalate	760	U
208-96-8	Acenaphthylene	760	U
606-20-2	2,6-Dinitrotoluene	760	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR9

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-002

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6742

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 14 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3800	U
83-32-9	Acenaphthene	760	U
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	U
132-64-9	Dibenzofuran	760	U
121-14-2	2,4-Dinitrotoluene	760	U
84-66-2	Diethylphthalate	760	U
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	760	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-Methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	760	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	760	U
120-12-7	Anthracene	760	U
86-74-8	Carbazole	760	U
84-74-2	Di-n-Butylphthalate	760	U
206-44-0	Fluoranthene	760	U
129-00-0	Pyrene	760	U
85-68-7	Butylbenzylphthalate	260	BJ
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	760	U
218-01-9	Chrysene	760	U
117-81-7	bis(2-Ethylhexyl)Phthalate	760	U
117-84-0	Di-n-Octyl Phthalate	760	U
205-99-2	Benzo(b)Fluoranthene	760	U
207-08-9	Benzo(k)Fluoranthene	760	U
50-32-8	Benzo(a)Pyrene	760	U
193-39-5	Indeno(1,2,3-cd)Pyrene	760	U
53-70-3	Dibenz(a,h)Anthracene	760	U
191-24-2	Benzo(g,h,i)Perylene	760	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMR9

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-002

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6742

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 14 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.31	16000	ABJ
2.	Unknown Alkane	29.97	120	J
3.	Unknown Alkane	31.94	120	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6746

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 6 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	700	U
111-44-4	bis(2-Chloroethyl)Ether	700	U
95-57-8	2-Chlorophenol	700	U
541-73-1	1,3-Dichlorobenzene	700	U
106-46-7	1,4-Dichlorobenzene	700	U
95-50-1	1,2-Dichlorobenzene	700	U
95-48-7	2-Methylphenol	700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	700	U
106-44-5	4-Methylphenol	700	U
621-64-7	N-Nitroso-Di-n-Propylamine	700	U
67-72-1	Hexachloroethane	700	U
98-95-3	Nitrobenzene	700	U
78-59-1	Isophorone	700	U
88-75-5	2-Nitrophenol	700	U
105-67-9	2,4-Dimethylphenol	700	U
111-91-1	bis(2-Chloroethoxy)Methane	700	U
120-83-2	2,4-Dichlorophenol	700	U
120-82-1	1,2,4-Trichlorobenzene	700	U
91-20-3	Naphthalene	700	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	700	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	700	U
77-47-4	Hexachlorocyclopentadiene	700	U
88-06-2	2,4,6-Trichlorophenol	700	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	700	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethyl Phthalate	700	U
208-96-8	Acenaphthylene	700	U
606-20-2	2,6-Dinitrotoluene	700	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6746

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 6 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	700	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	700	U
121-14-2	2,4-Dinitrotoluene	700	U
84-66-2	Diethylphthalate	700	U
7005-72-3	4-Chlorophenyl-phenylether	700	U
86-73-7	Fluorene	700	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine (1)	700	U
101-55-3	4-Bromophenyl-phenylether	700	U
118-74-1	Hexachlorobenzene	700	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	700	U
120-12-7	Anthracene	700	U
86-74-8	Carbazole	700	U
84-74-2	Di-n-Butylphthalate	700	U
206-44-0	Fluoranthene	700	U
129-00-0	Pyrene	700	U
85-68-7	Butylbenzylphthalate	160	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	700	U
218-01-9	Chrysene	700	U
117-81-7	bis(2-Ethylhexyl)Phthalate	700	U
117-84-0	Di-n-Octyl Phthalate	700	U
205-99-2	Benzo(b)Fluoranthene	700	U
207-08-9	Benzo(k)Fluoranthene	700	U
50-32-8	Benzo(a)Pyrene	700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	700	U
53-70-3	Dibenz(a,h)Anthracene	700	U
191-24-2	Benzo(g,h,i)Perylene	700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6746

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 6 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.30	16000	ABJ
2.	UNKNOWN	26.98	71	J
3.	UNKNOWN	29.14	100	J
4.	UNKNOWN	29.70	95	J
5.	UNKNOWN	29.97	80	J
6.	UNKNOWN	30.38	76	J
7.	UNKNOWN	30.47	99	J
8.	UNKNOWN	32.36	92	J
9.	UNKNOWN	34.81	88	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-012

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6763

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	710	U
111-44-4	bis(2-Chloroethyl)Ether	710	U
95-57-8	2-Chlorophenol	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
95-50-1	1,2-Dichlorobenzene	710	U
95-48-7	2-Methylphenol	710	U
108-60-1	2,2'-oxybis(1-Chloropropane)	710	U
106-44-5	4-Methylphenol	710	U
621-64-7	N-Nitroso-Di-n-Propylamine	710	U
67-72-1	Hexachloroethane	710	U
98-95-3	Nitrobenzene	710	U
78-59-1	Isophorone	710	U
88-75-5	2-Nitrophenol	710	U
105-67-9	2,4-Dimethylphenol	710	U
111-91-1	bis(2-Chloroethoxy)Methane	710	U
120-83-2	2,4-Dichlorophenol	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
91-20-3	Naphthalene	710	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	710	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	710	U
77-47-4	Hexachlorocyclopentadiene	710	U
88-06-2	2,4,6-Trichlorophenol	710	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	710	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethyl Phthalate	710	U
208-96-8	Acenaphthylene	710	U
606-20-2	2,6-Dinitrotoluene	710	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-012

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6763

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	710	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	710	U
121-14-2	2,4-Dinitrotoluene	710	U
84-66-2	Diethylphthalate	710	U
7005-72-3	4-Chlorophenyl-phenylether	710	U
86-73-7	Fluorene	710	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine (1)	710	U
101-55-3	4-Bromophenyl-phenylether	710	U
118-74-1	Hexachlorobenzene	710	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	710	U
120-12-7	Anthracene	710	U
86-74-8	Carbazole	710	U
84-74-2	Di-n-Butylphthalate	710	U
206-44-0	Fluoranthene	710	U
129-00-0	Pyrene	710	U
85-68-7	Butylbenzylphthalate	210	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	710	U
218-01-9	Chrysene	710	U
117-81-7	bis(2-Ethylhexyl)Phthalate	710	U
117-84-0	Di-n-Octyl Phthalate	710	U
205-99-2	Benzo(b)Fluoranthene	710	U
207-08-9	Benzo(k)Fluoranthene	710	U
50-32-8	Benzo(a)Pyrene	710	U
193-39-5	Indeno(1,2,3-cd)Pyrene	710	U
53-70-3	Dibenz(a,h)Anthracene	710	U
191-24-2	Benzo(g,h,i)Perylene	710	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

B0DMS3

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-012

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6763

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 7 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensation	5.23	15000	ABJ
2.	UNKNOWN	29.07	99	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6739

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 4 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	690	U
111-44-4	bis(2-Chloroethyl)Ether	690	U
95-57-8	2-Chlorophenol	690	U
541-73-1	1,3-Dichlorobenzene	690	U
106-46-7	1,4-Dichlorobenzene	690	U
95-50-1	1,2-Dichlorobenzene	690	U
95-48-7	2-Methylphenol	690	U
108-60-1	2,2'-oxybis(1-Chloropropane)	690	U
106-44-5	4-Methylphenol	690	U
621-64-7	N-Nitroso-Di-n-Propylamine	690	U
67-72-1	Hexachloroethane	690	U
98-95-3	Nitrobenzene	690	U
78-59-1	Isophorone	690	U
88-75-5	2-Nitrophenol	690	U
105-67-9	2,4-Dimethylphenol	690	U
111-91-1	bis(2-Chloroethoxy)Methane	690	U
120-83-2	2,4-Dichlorophenol	690	U
120-82-1	1,2,4-Trichlorobenzene	690	U
91-20-3	Naphthalene	690	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	690	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	690	U
77-47-4	Hexachlorocyclopentadiene	690	U
88-06-2	2,4,6-Trichlorophenol	690	U
95-95-4	2,4,5-Trichlorophenol	690	U
91-58-7	2-Chloronaphthalene	690	U
88-74-4	2-Nitroaniline	3400	U
131-11-3	Dimethyl Phthalate	690	U
208-96-8	Acenaphthylene	690	U
606-20-2	2,6-Dinitrotoluene	690	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6739

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 4 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	690	U
51-28-5	2,4-Dinitrophenol	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	690	U
121-14-2	2,4-Dinitrotoluene	690	U
84-66-2	Diethylphthalate	690	U
7005-72-3	4-Chlorophenyl-phenylether	690	U
86-73-7	Fluorene	690	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3400	U
86-30-6	N-Nitrosodiphenylamine (1)	690	U
101-55-3	4-Bromophenyl-phenylether	690	U
118-74-1	Hexachlorobenzene	690	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	690	U
120-12-7	Anthracene	690	U
86-74-8	Carbazole	690	U
84-74-2	Di-n-Butylphthalate	690	U
206-44-0	Fluoranthene	690	U
129-00-0	Pyrene	690	U
85-68-7	Butylbenzylphthalate	230	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	690	U
218-01-9	Chrysene	690	U
117-81-7	bis(2-Ethylhexyl)Phthalate	690	U
117-84-0	Di-n-Octyl Phthalate	690	U
205-99-2	Benzo(b)Fluoranthene	690	U
207-08-9	Benzo(k)Fluoranthene	690	U
50-32-8	Benzo(a)Pyrene	690	U
193-39-5	Indeno(1,2,3-cd)Pyrene	690	U
53-70-3	Dibenz(a,h)Anthracene	690	U
191-24-2	Benzo(g,h,i)Perylene	690	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS4

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6739

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 4 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.31	13000	ABJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-005

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6745

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 56 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)Ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
111-91-1	bis(2-Chloroethoxy)Methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	1500	U
106-47-8	4-Chloroaniline	2900	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-Methylphenol	2900	U
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	7500	U
131-11-3	Dimethyl Phthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMS6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-005

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6745

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 56 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	7500	U
83-32-9	Acenaphthene	1500	U
51-28-5	2,4-Dinitrophenol	7500	U
100-02-7	4-Nitrophenol	7500	U
132-64-9	Dibenzofuran	1500	U
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1500	U
100-01-6	4-Nitroaniline	2900	U
534-52-1	4,6-Dinitro-2-Methylphenol	7500	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	7500	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	1500	U
86-74-8	Carbazole	1500	U
84-74-2	Di-n-Butylphthalate	1500	U
206-44-0	Fluoranthene	220	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	640	BJ
91-94-1	3,3'-Dichlorobenzidine	2900	U
56-55-3	Benzo(a)Anthracene	1500	U
218-01-9	Chrysene	1500	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1500	U
117-84-0	Di-n-Octyl Phthalate	1500	U
205-99-2	Benzo(b)Fluoranthene	1500	U
207-08-9	Benzo(k)Fluoranthene	1500	U
50-32-8	Benzo(a)Pyrene	1500	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1500	U
53-70-3	Dibenz(a,h)Anthracene	1500	U
191-24-2	Benzo(g,h,i)Perylene	1500	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS6

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-005

Sample wt/vol: 30.10 (g/mL) G Lab File ID: D6745

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 56 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.32	38000	ABJ
2.	UNKNOWN	18.59	5100	J
3.	UNKNOWN	18.69	1800	J
4.	UNKNOWN	19.20	2000	J
5.	UNKNOWN	20.31	1600	J
6.	UNKNOWN	20.79	1100	J
7. 57103	Hexadecanoic acid	21.65	2600	J
8.	UNKNOWN	22.78	1200	J
9.	UNKNOWN	23.50	1200	J
10. 57114	Octadecanoic acid	23.70	1200	J
11.	UNKNOWN	25.03	850	J
12.	UNKNOWN	26.74	1700	J
13.	UNKNOWN	28.04	930	J
14.	UNKNOWN	29.27	920	J
15.	UNKNOWN	29.65	1100	J
16.	UNKNOWN	30.22	1600	J
17.	UNKNOWN	31.69	1900	J
18.	UNKNOWN	32.65	1100	J
19.	UNKNOWN	33.75	1600	J
20.	UNKNOWN	34.36	1100	J
21.	UNKNOWN	35.16	1100	J
22.	UNKNOWN	36.11	1400	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-007

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6747

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 12 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	750	U
111-44-4	bis(2-Chloroethyl)Ether	750	U
95-57-8	2-Chlorophenol	750	U
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
95-50-1	1,2-Dichlorobenzene	750	U
95-48-7	2-Methylphenol	750	U
108-60-1	2,2'-oxybis(1-Chloropropane)	750	U
106-44-5	4-Methylphenol	750	U
621-64-7	N-Nitroso-Di-n-Propylamine	750	U
67-72-1	Hexachloroethane	750	U
98-95-3	Nitrobenzene	750	U
78-59-1	Isophorone	750	U
88-75-5	2-Nitrophenol	750	U
105-67-9	2,4-Dimethylphenol	750	U
111-91-1	bis(2-Chloroethoxy)Methane	750	U
120-83-2	2,4-Dichlorophenol	750	U
120-82-1	1,2,4-Trichlorobenzene	750	U
91-20-3	Naphthalene	750	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	750	U
59-50-7	4-Chloro-3-Methylphenol	1500	U
91-57-6	2-Methylnaphthalene	750	U
77-47-4	Hexachlorocyclopentadiene	750	U
88-06-2	2,4,6-Trichlorophenol	750	U
95-95-4	2,4,5-Trichlorophenol	750	U
91-58-7	2-Chloronaphthalene	750	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethyl Phthalate	750	U
208-96-8	Acenaphthylene	750	U
606-20-2	2,6-Dinitrotoluene	750	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-007

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6747

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 12 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	750	U
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	750	U
121-14-2	2,4-Dinitrotoluene	750	U
84-66-2	Diethylphthalate	750	U
7005-72-3	4-Chlorophenyl-phenylether	750	U
86-73-7	Fluorene	750	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-Methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	750	U
101-55-3	4-Bromophenyl-phenylether	750	U
118-74-1	Hexachlorobenzene	750	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	750	U
120-12-7	Anthracene	750	U
86-74-8	Carbazole	750	U
84-74-2	Di-n-Butylphthalate	750	U
206-44-0	Fluoranthene	750	U
129-00-0	Pyrene	750	U
85-68-7	Butylbenzylphthalate	490	BJ
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	750	U
218-01-9	Chrysene	750	U
117-81-7	bis(2-Ethylhexyl)Phthalate	750	U
117-84-0	Di-n-Octyl Phthalate	750	U
205-99-2	Benzo(b)Fluoranthene	750	U
207-08-9	Benzo(k)Fluoranthene	750	U
50-32-8	Benzo(a)Pyrene	750	U
193-39-5	Indeno(1,2,3-cd)Pyrene	750	U
53-70-3	Dibenz(a,h)Anthracene	750	U
191-24-2	Benzo(g,h,i)Perylene	750	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMS7

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-007

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6747

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 12 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/06/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.31	19000	ABJ
2.	UNKNOWN	24.99	220	J
3.	UNKNOWN	28.40	190	J
4.	UNKNOWN	28.51	230	J
5.	UNKNOWN	29.12	190	J
6.	UNKNOWN	29.21	330	J
7.	UNKNOWN	29.25	300	J
8.	UNKNOWN	29.33	260	J
9.	UNKNOWN	29.51	500	J
10.	UNKNOWN	29.63	910	J
11.	UNKNOWN	29.72	260	J
12.	UNKNOWN	29.84	650	J
13.	UNKNOWN	29.98	620	J
14.	UNKNOWN	30.17	450	J
15.	UNKNOWN	30.38	170	J
16.	UNKNOWN	31.22	220	J
17.	UNKNOWN	31.67	370	J
18.	UNKNOWN	32.14	250	J
19.	UNKNOWN	32.60	370	J
20.	UNKNOWN	33.69	300	J
21.	UNKNOWN	35.14	190	J
22.	UNKNOWN	35.32	190	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7984

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 11 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	740	U
111-44-4	bis(2-Chloroethyl)Ether	740	U
95-57-8	2-Chlorophenol	740	U
541-73-1	1,3-Dichlorobenzene	740	U
106-46-7	1,4-Dichlorobenzene	740	U
95-50-1	1,2-Dichlorobenzene	740	U
95-48-7	2-Methylphenol	740	U
108-60-1	2,2'-oxybis(1-Chloropropane)	740	U
106-44-5	4-Methylphenol	740	U
621-64-7	N-Nitroso-Di-n-Propylamine	740	U
67-72-1	Hexachloroethane	740	U
98-95-3	Nitrobenzene	740	U
78-59-1	Isophorone	740	U
88-75-5	2-Nitrophenol	740	U
105-67-9	2,4-Dimethylphenol	740	U
111-91-1	bis(2-Chloroethoxy)Methane	740	U
120-83-2	2,4-Dichlorophenol	740	U
120-82-1	1,2,4-Trichlorobenzene	740	U
91-20-3	Naphthalene	740	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	740	U
59-50-7	4-Chloro-3-Methylphenol	1500	U
91-57-6	2-Methylnaphthalene	740	U
77-47-4	Hexachlorocyclopentadiene	740	U
88-06-2	2,4,6-Trichlorophenol	740	U
95-95-4	2,4,5-Trichlorophenol	740	U
91-58-7	2-Chloronaphthalene	740	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethyl Phthalate	740	U
208-96-8	Acenaphthylene	740	U
606-20-2	2,6-Dinitrotoluene	740	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7984

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 11 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	740	U
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	740	U
121-14-2	2,4-Dinitrotoluene	740	U
84-66-2	Diethylphthalate	740	U
7005-72-3	4-Chlorophenyl-phenylether	740	U
86-73-7	Fluorene	740	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-Methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	740	U
101-55-3	4-Bromophenyl-phenylether	740	U
118-74-1	Hexachlorobenzene	740	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	740	U
120-12-7	Anthracene	740	U
86-74-8	Carbazole	740	U
84-74-2	Di-n-Butylphthalate	740	U
206-44-0	Fluoranthene	740	U
129-00-0	Pyrene	740	U
85-68-7	Butylbenzylphthalate	130	BJ
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	740	U
218-01-9	Chrysene	740	U
117-81-7	bis(2-Ethylhexyl)Phthalate	740	U
117-84-0	Di-n-Octyl Phthalate	740	U
205-99-2	Benzo(b)Fluoranthene	740	U
207-08-9	Benzo(k)Fluoranthene	740	U
50-32-8	Benzo(a)Pyrene	740	U
193-39-5	Indeno(1,2,3-cd)Pyrene	740	U
53-70-3	Dibenz(a,h)Anthracene	740	U
191-24-2	Benzo(g,h,i)Perylene	740	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMV0

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-001

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7984

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 11 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.48	80	J
2.	UNKNOWN	28.03	110	J
3.	UNKNOWN	29.52	200	J
4.	UNKNOWN	30.92	120	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B0DMV1

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-002

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7985

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 6 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	700	U
111-44-4	bis(2-Chloroethyl)Ether	700	U
95-57-8	2-Chlorophenol	700	U
541-73-1	1,3-Dichlorobenzene	700	U
106-46-7	1,4-Dichlorobenzene	700	U
95-50-1	1,2-Dichlorobenzene	700	U
95-48-7	2-Methylphenol	700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	700	U
106-44-5	4-Methylphenol	700	U
621-64-7	N-Nitroso-Di-n-Propylamine	700	U
67-72-1	Hexachloroethane	700	U
98-95-3	Nitrobenzene	700	U
78-59-1	Isophorone	700	U
88-75-5	2-Nitrophenol	700	U
105-67-9	2,4-Dimethylphenol	700	U
111-91-1	bis(2-Chloroethoxy)Methane	700	U
120-83-2	2,4-Dichlorophenol	700	U
120-82-1	1,2,4-Trichlorobenzene	700	U
91-20-3	Naphthalene	700	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	700	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	700	U
77-47-4	Hexachlorocyclopentadiene	700	U
88-06-2	2,4,6-Trichlorophenol	700	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	700	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethyl Phthalate	700	U
208-96-8	Acenaphthylene	700	U
606-20-2	2,6-Dinitrotoluene	700	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV1

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-002

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7985

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 6 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	700	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	700	U
121-14-2	2,4-Dinitrotoluene	700	U
84-66-2	Diethylphthalate	700	U
7005-72-3	4-Chlorophenyl-phenylether	700	U
86-73-7	Fluorene	700	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine (1)	700	U
101-55-3	4-Bromophenyl-phenylether	700	U
118-74-1	Hexachlorobenzene	700	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	700	U
120-12-7	Anthracene	700	U
86-74-8	Carbazole	700	U
84-74-2	Di-n-Butylphthalate	700	U
206-44-0	Fluoranthene	700	U
129-00-0	Pyrene	700	U
85-68-7	Butylbenzylphthalate	130	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	700	U
218-01-9	Chrysene	700	U
117-81-7	bis(2-Ethylhexyl)Phthalate	700	U
117-84-0	Di-n-Octyl Phthalate	700	U
205-99-2	Benzo(b)Fluoranthene	700	U
207-08-9	Benzo(k)Fluoranthene	700	U
50-32-8	Benzo(a)Pyrene	700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	700	U
53-70-3	Dibenz(a,h)Anthracene	700	U
191-24-2	Benzo(g,h,i)Perylene	700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMV1

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-002

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A7985

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 6 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	4.15	5600	ABJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-003

Sample wt/vol: 30.10 (g/mL) G Lab File ID: A7986

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 8 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	710	U
111-44-4	bis(2-Chloroethyl)Ether	710	U
95-57-8	2-Chlorophenol	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
95-50-1	1,2-Dichlorobenzene	710	U
95-48-7	2-Methylphenol	710	U
108-60-1	2,2'-oxybis(1-Chloropropane)	710	U
106-44-5	4-Methylphenol	710	U
621-64-7	N-Nitroso-Di-n-Propylamine	710	U
67-72-1	Hexachloroethane	710	U
98-95-3	Nitrobenzene	710	U
78-59-1	Isophorone	710	U
88-75-5	2-Nitrophenol	710	U
105-67-9	2,4-Dimethylphenol	710	U
111-91-1	bis(2-Chloroethoxy)Methane	710	U
120-83-2	2,4-Dichlorophenol	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
91-20-3	Naphthalene	710	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	710	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	710	U
77-47-4	Hexachlorocyclopentadiene	710	U
88-06-2	2,4,6-Trichlorophenol	710	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	710	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethyl Phthalate	710	U
208-96-8	Acenaphthylene	710	U
606-20-2	2,6-Dinitrotoluene	710	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-003

Sample wt/vol: 30.10 (g/mL) G Lab File ID: A7986

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 8 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	710	U
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	710	U
121-14-2	2,4-Dinitrotoluene	710	U
84-66-2	Diethylphthalate	710	U
7005-72-3	4-Chlorophenyl-phenylether	710	U
86-73-7	Fluorene	710	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine (1)	710	U
101-55-3	4-Bromophenyl-phenylether	710	U
118-74-1	Hexachlorobenzene	710	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	710	U
120-12-7	Anthracene	710	U
86-74-8	Carbazole	710	U
84-74-2	Di-n-Butylphthalate	710	U
206-44-0	Fluoranthene	710	U
129-00-0	Pyrene	710	U
85-68-7	Butylbenzylphthalate	120	BJ
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	710	U
218-01-9	Chrysene	710	U
117-81-7	bis(2-Ethylhexyl)Phthalate	130	J
117-84-0	Di-n-Octyl Phthalate	710	U
205-99-2	Benzo(b)Fluoranthene	710	U
207-08-9	Benzo(k)Fluoranthene	710	U
50-32-8	Benzo(a)Pyrene	710	U
193-39-5	Indeno(1,2,3-cd)Pyrene	710	U
53-70-3	Dibenz(a,h)Anthracene	710	U
191-24-2	Benzo(g,h,i)Perylene	710	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMV2

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-003

Sample wt/vol: 30.10 (g/mL) G Lab File ID: A7986

Level: (low/med) LOW Date Received: 02/01/95

% Moisture: not dec. 8 dec. Date Extracted: 02/09/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/14/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	4.18	9000	ABJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMX5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-011

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6762

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 0 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl)Ether	660	U
95-57-8	2-Chlorophenol	660	U
541-73-1	1,3-Dichlorobenzene	660	U
106-46-7	1,4-Dichlorobenzene	660	U
95-50-1	1,2-Dichlorobenzene	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-Di-n-Propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
111-91-1	bis(2-Chloroethoxy)Methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
120-82-1	1,2,4-Trichlorobenzene	660	U
91-20-3	Naphthalene	660	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	660	U
59-50-7	4-Chloro-3-Methylphenol	1300	U
91-57-6	2-Methylnaphthalene	660	U
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	660	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	3300	U
131-11-3	Dimethyl Phthalate	660	U
208-96-8	Acenaphthylene	660	U
606-20-2	2,6-Dinitrotoluene	660	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMX5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-011

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6762

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 0 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3300	U
83-32-9	Acenaphthene	660	U
51-28-5	2,4-Dinitrophenol	3300	U
100-02-7	4-Nitrophenol	3300	U
132-64-9	Dibenzofuran	660	U
121-14-2	2,4-Dinitrotoluene	660	U
84-66-2	Diethylphthalate	39	J
7005-72-3	4-Chlorophenyl-phenylether	660	U
86-73-7	Fluorene	660	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	3300	U
86-30-6	N-Nitrosodiphenylamine (1)	660	U
101-55-3	4-Bromophenyl-phenylether	660	U
118-74-1	Hexachlorobenzene	660	U
87-86-5	Pentachlorophenol	3300	U
85-01-8	Phenanthrene	660	U
120-12-7	Anthracene	660	U
86-74-8	Carbazole	660	U
84-74-2	Di-n-Butylphthalate	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
85-68-7	Butylbenzylphthalate	180	BJ
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)Anthracene	660	U
218-01-9	Chrysene	660	U
117-81-7	bis(2-Ethylhexyl)Phthalate	37	J
117-84-0	Di-n-Octyl Phthalate	660	U
205-99-2	Benzo(b)Fluoranthene	660	U
207-08-9	Benzo(k)Fluoranthene	660	U
50-32-8	Benzo(a)Pyrene	660	U
193-39-5	Indeno(1,2,3-cd)Pyrene	660	U
53-70-3	Dibenz(a,h)Anthracene	660	U
191-24-2	Benzo(g,h,i)Perylene	660	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B0DMX5

Lab Name: QUANTERRA MO Contract: 550-56

Lab Code: ITMO Case No.: S44401 SAS No.: SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-011

Sample wt/vol: 30.00 (g/mL) G Lab File ID: D6762

Level: (low/med) LOW Date Received: 01/30/95

% Moisture: not dec. 0 dec. Date Extracted: 02/02/95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02/07/95

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0	Aldol Condensation	5.26	15000	ABJ
2.	UNKNOWN	23.41	760	J
3.	UNKNOWN	32.21	77	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR4

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-009

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 7 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	3.2	U
58-89-9	gamma-BHC (Lindane)	1.4	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	30	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	0.72	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	63	U
7421-93-4	Endrin Aldehyde	8.2	U
57-74-9	Chlordane (technical)	5.0	U
8001-35-2	Toxaphene	86	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9/12674-11-2	Arochlor-1242/1016	24	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

U: Concentration of analyte is less than the value given.

FORM I PEST

3 1 1 9 5 6 2 0 1 0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR5

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-010

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 52 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	4.2	U
319-86-8	delta-BHC	6.3	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	3.3	
1024-57-3	Heptachlor epoxide	58	U
959-98-8	Endosulfan I	9.8	U
60-57-1	Dieldrin	9.5	UX
72-55-9	4,4'-DDE	12	UX
72-20-8	Endrin	26	UX
33213-65-9	Endosulfan II	8.0	UX
72-54-8	4,4'-DDD	7.7	U
1031-07-8	Endosulfan sulfate	46	U
50-29-3	4,4'-DDT	66	UX
72-43-5	Methoxychlor	120	U
7421-93-4	Endrin Aldehyde	16	U
57-74-9	Chlordane (technical)	9.8	U
8001-35-2	Toxaphene	170	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	70	U
53469-21-9/12674-11-2	Arochlor-1242/1016	46	U
12672-29-6	Aroclor-1248	70	U
11097-69-1	Aroclor-1254	320	
11096-82-5	Aroclor-1260	190	

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR6

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-003

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 84 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	6.1	U
319-85-7	beta-BHC	12	U
319-86-8	delta-BHC	18	U
58-89-9	gamma-BHC (Lindane)	8.2	U
76-44-8	Heptachlor	6.1	U
309-00-2	Aldrin	8.2	U
1024-57-3	Heptachlor epoxide	170	U
959-98-8	Endosulfan I	29	U
60-57-1	Dieldrin	14	UX
72-55-9	4,4'-DDE	27	UX
72-20-8	Endrin	36	UX
33213-65-9	Endosulfan II	8.2	U
72-54-8	4,4'-DDD	28	UX
1031-07-8	Endosulfan sulfate	130	U
50-29-3	4,4'-DDT	24	U
72-43-5	Methoxychlor	360	U
7421-93-4	Endrin Aldehyde	47	U
57-74-9	Chlordane (technical)	29	U
8001-35-2	Toxaphene	490	U
11104-28-2	Aroclor-1221	200	U
11141-16-5	Aroclor-1232	200	U
53469-21-9/12674-11-2	Arochlor-1242/1016	130	U
12672-29-6	Aroclor-1248	200	U
11097-69-1	Aroclor-1254	320	
11096-82-5	Aroclor-1260	460	

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR7

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-004

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 9 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	1.5	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.5	U
1024-57-3	Heptachlor epoxide	30	U
959-98-8	Endosulfan I	5.1	U
60-57-1	Dieldrin	0.73	U
72-55-9	4,4'-DDE	1.5	U
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	1.5	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	64	U
7421-93-4	Endrin Aldehyde	8.4	U
57-74-9	Chlordane (technical)	5.1	U
8001-35-2	Toxaphene	87	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9/12674-11-2	Arochlor-1242/1016	24	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMR9

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-002

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 14 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.2	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	3.5	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.2	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	32	U
959-98-8	Endosulfan I	5.4	U
60-57-1	Dieldrin	0.78	U
72-55-9	4,4'-DDE	1.6	U
72-20-8	Endrin	2.3	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	26	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	68	U
7421-93-4	Endrin Aldehyde	8.9	U
57-74-9	Chlordane (technical)	5.4	U
8001-35-2	Toxaphene	93	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9/12674-11-2	Arochlor-1242/1016	26	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS0

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-006

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 6 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	3.2	U
58-89-9	gamma-BHC (Lindane)	1.4	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	29	U
959-98-8	Endosulfan I	4.9	U
60-57-1	Dieldrin	0.70	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	2.1	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	23	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	62	U
7421-93-4	Endrin Aldehyde	8.1	U
57-74-9	Chlordane (technical)	4.9	U
8001-35-2	Toxaphene	84	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9/12674-11-2	Arochlor-1242/1016	23	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS3

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-012

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 7 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	3.2	U
58-89-9	gamma-BHC (Lindane)	1.4	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	30	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	0.72	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	63	U
7421-93-4	Endrin Aldehyde	8.2	U
57-74-9	Chlordane (technical)	5.0	U
8001-35-2	Toxaphene	86	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9/12674-11-2	Arochlor-1242/1016	24	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS4

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-001

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 4 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	1.0	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	3.1	U
58-89-9	gamma-BHC (Lindane)	1.4	U
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	29	U
959-98-8	Endosulfan I	4.8	U
60-57-1	Dieldrin	0.69	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	2.1	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	23	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	61	U
7421-93-4	Endrin Aldehyde	8.0	U
57-74-9	Chlordane (technical)	4.8	U
8001-35-2	Toxaphene	83	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9/12674-11-2	Arochlor-1242/1016	23	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMS6

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-005

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 56 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	4.5	U
319-86-8	delta-BHC	6.7	U
58-89-9	gamma-BHC (Lindane)	3.0	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	3.0	U
1024-57-3	Heptachlor epoxide	62	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	2.6	UX
72-55-9	4,4'-DDE	3.0	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	3.0	U
72-54-8	4,4'-DDD	8.2	U
1031-07-8	Endosulfan sulfate	49	U
50-29-3	4,4'-DDT	10	UX
72-43-5	Methoxychlor	130	U
7421-93-4	Endrin Aldehyde	17	U
57-74-9	Chlordane (technical)	10	U
8001-35-2	Toxaphene	180	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	75	U
53469-21-9/12674-11-2	Arochlor-1242/1016	49	U
12672-29-6	Aroclor-1248	75	U
11097-69-1	Aroclor-1254	75	U
11096-82-5	Aroclor-1260	75	U

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS7

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-007

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 12 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	1.5	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.5	U
1024-57-3	Heptachlor epoxide	31	U
959-98-8	Endosulfan I	5.3	U
60-57-1	Dieldrin	0.92	UX
72-55-9	4,4'-DDE	1.9	UX
72-20-8	Endrin	3.0	UX
33213-65-9	Endosulfan II	1.5	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	25	U
50-29-3	4,4'-DDT	7.8	UX
72-43-5	Methoxychlor	67	U
7421-93-4	Endrin Aldehyde	8.7	U
57-74-9	Chlordane (technical)	5.3	U
8001-35-2	Toxaphene	91	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9/12674-11-2	Arochlor-1242/1016	25	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMS8

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-015

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 9 dec _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	1.5	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.5	U
1024-57-3	Heptachlor epoxide	30	U
959-98-8	Endosulfan I	5.1	U
60-57-1	Dieldrin	0.79	UX
72-55-9	4,4'-DDE	1.5	U
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	1.5	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT		Y
72-43-5	Methoxychlor		Y
7421-93-4	Endrin Aldehyde	8.4	U
57-74-9	Chlordane (technical)	5.1	U
8001-35-2	Toxaphene	88	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9/12674-11-2	Arochlor-1242/1016	24	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.
Y: See re analysis.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT0

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-013

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 51 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	6.1	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	56	U
959-98-8	Endosulfan I	9.5	U
60-57-1	Dieldrin	1.4	U
72-55-9	4,4'-DDE	12	UX
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	2.7	U
72-54-8	4,4'-DDD	7.5	U
1031-07-8	Endosulfan sulfate	45	U
50-29-3	4,4'-DDT	9.9	UX
72-43-5	Methoxychlor	120	U
7421-93-4	Endrin Aldehyde	16	U
57-74-9	Chlordane (technical)	9.5	U
8001-35-2	Toxaphene	160	U
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	68	U
53469-21-9/12674-11-2	Arochlor-1242/1016	45	U
12672-29-6	Aroclor-1248	68	U
11097-69-1	Aroclor-1254	150	
11096-82-5	Aroclor-1260	150	

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT1

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-014

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 60 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	8.8	UX
319-86-8	delta-BHC	7.4	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	3.3	U
1024-57-3	Heptachlor epoxide	68	U
959-98-8	Endosulfan I	12	U
60-57-1	Dieldrin	12	UX
72-55-9	4,4'-DDE	24	UX
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	16	UX
72-54-8	4,4'-DDD	9.1	U
1031-07-8	Endosulfan sulfate	54	U
50-29-3	4,4'-DDT	30	UX
72-43-5	Methoxychlor	140	U
7421-93-4	Endrin Aldehyde	19	U
57-74-9	Chlordane (technical)	12	U
8001-35-2	Toxaphene	200	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	82	U
53469-21-9/12674-11-2	Arochlor-1242/1016	54	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	400	
11096-82-5	Aroclor-1260	470	

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMT1

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-014

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 60 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	8.8	UZ
319-86-8	delta-BHC	7.4	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	3.3	U
1024-57-3	Heptachlor epoxide	68	U
959-98-8	Endosulfan I	12	U
60-57-1	Dieldrin	12	UX
72-55-9	4,4'-DDE	24	UX
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	16	UX
72-54-8	4,4'-DDD	9.1	U
1031-07-8	Endosulfan sulfate	54	U
50-29-3	4,4'-DDT	30	UX
72-43-5	Methoxychlor	140	U
7421-93-4	Endrin Aldehyde	19	U
57-74-9	Chlordane (technical)	12	U
8001-35-2	Toxaphene	200	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	82	U
53469-21-9/12674-11-2	Arochlor-1242/1016	54	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	400	
11096-82-5	Aroclor-1260	470	

U: Concentration of analyte is less than the value given.
X: Elevated detection limit due to PCB interference.
Z: Elevated detection limit due to calibration problems.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV0

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-001

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-31-95

% Moisture: not dec. 11 dec. _____ Date Extracted: 02-08-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	1.5	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.5	U
1024-57-3	Heptachlor epoxide	31	U
959-98-8	Endosulfan I	5.2	U
60-57-1	Dieldrin	0.75	U
72-55-9	4,4'-DDE	1.5	U
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	1.5	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	25	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	66	U
7421-93-4	Endrin Aldehyde	8.6	U
57-74-9	Chlordane (technical)	5.2	U
8001-35-2	Toxaphene	90	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9/12674-11-2	Arochlor-1242/1016	25	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV1

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-002

Sample wt/vol: 30.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-31-95

% Moisture: not dec. 6 dec. _____ Date Extracted: 02-08-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	3.2	U
58-89-9	gamma-BHC (Lindane)	1.4	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	29	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	0.71	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	2.1	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	23	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	62	U
7421-93-4	Endrin Aldehyde	8.1	U
57-74-9	Chlordane (technical)	5.0	U
8001-35-2	Toxaphene	85	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9/12674-11-2	Arochlor-1242/1016	23	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B0DMV2

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7466-003

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-31-95

% Moisture: not dec. 8 dec. _____ Date Extracted: 02-08-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-17-95

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound		Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	1.4	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	30	U
959-98-8	Endosulfan I	5.1	U
60-57-1	Dieldrin	0.73	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	64	U
7421-93-4	Endrin Aldehyde	8.3	U
57-74-9	Chlordane (technical)	5.1	U
8001-35-2	Toxaphene	87	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9/12674-11-2	Arochlor-1242/1016	24	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

U: Concentration of analyte is less than the value given.

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BODMX5

Lab Name: ITAS-St. Louis Contract: 550-56

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: WO403

Matrix: (soil/water) SOIL Lab Sample ID: 7444-011

Sample wt/vol: 30.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 01-27-95

% Moisture: not dec. 0 dec. _____ Date Extracted: 02-03-95

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 02-08-95

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	1.3	U
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.3	U
1024-57-3	Heptachlor epoxide	28	U
959-98-8	Endosulfan I	4.7	U
60-57-1	Dieldrin	0.67	U
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	2.0	U
33213-65-9	Endosulfan II	1.3	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	59	U
7421-93-4	Endrin Aldehyde	7.7	U
57-74-9	Chlordane (technical)	4.7	U
8001-35-2	Toxaphene	80	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9/12674-11-2	Arochlor-1242/1016	22	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

U: Concentration of analyte is less than the value given.

FORM I PEST

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMR4

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-009

Level (low/med): LOW Date Received: 01/30/95

% Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5220			P
7440-36-0	Antimony	6.9	B	N	P
7440-38-2	Arsenic	0.58			F
7440-39-3	Barium	107			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	0.41	B		P
7440-70-2	Calcium	4640			P
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	16.1			P
7440-50-8	Copper	17.8			P
7439-89-6	Iron	31200			P
7439-92-1	Lead	2.2			F
7439-95-4	Magnesium	5040			P
7439-96-5	Manganese	415			P
7440-02-0	Nickel	9.7			P
7440-09-7	Potassium	781			P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.41	U		P
7440-23-5	Sodium	188	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	83.9			P
7440-66-6	Zinc	71.3			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMR5

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-010

Level (low/med): LOW Date Received: 01/30/95

% Solids: 47.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9420			P
7440-36-0	Antimony	6.9	U	N	P
7440-38-2	Arsenic	19.4			F
7440-39-3	Barium	118			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	7250			P
7440-47-3	Chromium	106			P
7440-48-4	Cobalt	5.3	B		P
7440-50-8	Copper	202			P
7439-89-6	Iron	23500			P
7439-92-1	Lead	104			P
7439-95-4	Magnesium	4140			P
7439-96-5	Manganese	223			P
7440-02-0	Nickel	17.0			P
7440-09-7	Potassium	840	B		P
7782-49-2	Selenium	0.21	U		F
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	126	B		P
7440-28-0	Thallium	0.46	B	N	F
7440-62-2	Vanadium	53.0			P
7440-66-6	Zinc	468			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMR6

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-003

Level (low/med): LOW Date Received: 01/30/95

% Solids: 16.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	159000			P
7440-36-0	Antimony	20.1	U	N	P
7440-38-2	Arsenic	45.3			F
7440-39-3	Barium	72.1	B		P
7440-41-7	Beryllium	0.12	U		P
7440-43-9	Cadmium	2.3	U		P
7440-70-2	Calcium	4650			P
7440-47-3	Chromium	187			P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	125			P
7439-89-6	Iron	19300			P
7439-92-1	Lead	66.2			F
7439-95-4	Magnesium	2530	B		P
7439-96-5	Manganese	164			P
7440-02-0	Nickel	16.3	B		P
7440-09-7	Potassium	1640	U		P
7782-49-2	Selenium	0.61	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	338	B		P
7440-28-0	Thallium	0.55	U	N	F
7440-62-2	Vanadium	101			P
7440-66-6	Zinc	503			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMR9

Lab Name: QUANTERRA_MO Contract: 550.56
Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403
Matrix (soil/water): SOIL Lab Sample ID: 7444-002
Level (low/med): LOW Date Received: 01/30/95
% Solids: 85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7610			P
7440-36-0	Antimony	7.3	B	N	P
7440-38-2	Arsenic	2.6			F
7440-39-3	Barium	177			P
7440-41-7	Beryllium	0.59	B		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	12600			P
7440-47-3	Chromium	9.1			P
7440-48-4	Cobalt	12.5			P
7440-50-8	Copper	18.6			P
7439-89-6	Iron	26100			P
7439-92-1	Lead	5.3			F
7439-95-4	Magnesium	5280			P
7439-96-5	Manganese	325			P
7440-02-0	Nickel	10.3			P
7440-09-7	Potassium	800			P
7782-49-2	Selenium	0.12	U		F
7440-22-4	Silver	0.44	U		P
7440-23-5	Sodium	245	B		P
7440-28-0	Thallium	0.11	U	N	F
7440-62-2	Vanadium	65.0			P
7440-66-6	Zinc	70.0			P

Color Before: Clarity Before: Texture:
Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-006

Level (low/med): LOW Date Received: 01/30/95

% Solids: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4080			P
7440-36-0	Antimony	6.6	B	N	P
7440-38-2	Arsenic	0.64			F
7440-39-3	Barium	98.9			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.46	B		P
7440-70-2	Calcium	9520			P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	12.4			P
7440-50-8	Copper	16.4			P
7439-89-6	Iron	25400			P
7439-92-1	Lead	1.5			F
7439-95-4	Magnesium	4770			P
7439-96-5	Manganese	305			P
7440-02-0	Nickel	8.5			P
7440-09-7	Potassium	366	B		P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.40	U		P
7440-23-5	Sodium	155	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	56.4			P
7440-66-6	Zinc	45.5			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS0

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-006

Level (low/med): LOW Date Received: 01/30/95

% Solids: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4080			P
7440-36-0	Antimony	6.6	B	N	P
7440-38-2	Arsenic	0.64			F
7440-39-3	Barium	98.9			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.46	B		P
7440-70-2	Calcium	9520			P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	12.4			P
7440-50-8	Copper	16.4			P
7439-89-6	Iron	25400			P
7439-92-1	Lead	1.5			F
7439-95-4	Magnesium	4770			P
7439-96-5	Manganese	305			P
7440-02-0	Nickel	8.5			P
7440-09-7	Potassium	366	B		P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.40	U		P
7440-23-5	Sodium	155	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	56.4			P
7440-66-6	Zinc	45.5			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS3

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-012

Level (low/med): LOW Date Received: 01/30/95

% Solids: 92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4910			P
7440-36-0	Antimony	5.3	B	N	P
7440-38-2	Arsenic	0.82			F
7440-39-3	Barium	128			P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	0.41	U		P
7440-70-2	Calcium	10200			P
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt	13.1			P
7440-50-8	Copper	15.2			P
7439-89-6	Iron	12400			P
7439-92-1	Lead	1.9			F
7439-95-4	Magnesium	5400			P
7439-96-5	Manganese	353			P
7440-02-0	Nickel	11.1			P
7440-09-7	Potassium	680			P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.41	U		P
7440-23-5	Sodium	241	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	63.1			P
7440-66-6	Zinc	47.5			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS4

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-001

Level (low/med): LOW Date Received: 01/30/95

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4120			P
7440-36-0	Antimony	7.8	B	N	P
7440-38-2	Arsenic	0.73			F
7440-39-3	Barium	107			P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	10300			P
7440-47-3	Chromium	4.6			P
7440-48-4	Cobalt	11.8			P
7440-50-8	Copper	14.8			P
7439-89-6	Iron	24400			P
7439-92-1	Lead	1.7			F
7439-95-4	Magnesium	4360			P
7439-96-5	Manganese	274			P
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	589			P
7782-49-2	Selenium	0.10	U		F
7440-22-4	Silver	0.40	U		P
7440-23-5	Sodium	184	B		P
7440-28-0	Thallium	0.09	U	N	F
7440-62-2	Vanadium	58.7			P
7440-66-6	Zinc	43.6			P

Color Before: Clarity Before: Texture:

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Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS6

Lab Name: QUANTERRA_MO Contract: 550.56
Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403
Matrix (soil/water): SOIL Lab Sample ID: 7444-005
Level (low/med): LOW Date Received: 01/30/95
% Solids: 44.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	105000			P
7440-36-0	Antimony	7.4	U	N	P
7440-38-2	Arsenic	29.2			F
7440-39-3	Barium	66.1			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	3.8			P
7440-70-2	Calcium	4420			P
7440-47-3	Chromium	126			P
7440-48-4	Cobalt	5.4	B		P
7440-50-8	Copper	135			P
7439-89-6	Iron	17700			P
7439-92-1	Lead	102			P
7439-95-4	Magnesium	2700			P
7439-96-5	Manganese	137			P
7440-02-0	Nickel	16.2			P
7440-09-7	Potassium	600	U		P
7782-49-2	Selenium	0.22	U		F
7440-22-4	Silver	0.85	U		P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	0.20	U	N	F
7440-62-2	Vanadium	51.0			P
7440-66-6	Zinc	548			P

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS7

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-007

Level (low/med): LOW Date Received: 01/30/95

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7880			P
7440-36-0	Antimony	6.5	B	N	P
7440-38-2	Arsenic	2.4			F
7440-39-3	Barium	68.7			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.48	B		P
7440-70-2	Calcium	4570			P
7440-47-3	Chromium	10.4			P
7440-48-4	Cobalt	13.1			P
7440-50-8	Copper	18.8			P
7439-89-6	Iron	29900			P
7439-92-1	Lead	4.0			F
7439-95-4	Magnesium	4450			P
7439-96-5	Manganese	257			P
7440-02-0	Nickel	10			P
7440-09-7	Potassium	358	U		P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.43	U		P
7440-23-5	Sodium	150	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	72.0			P
7440-66-6	Zinc	95.1			P

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Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMS8

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-015

Level (low/med): LOW Date Received: 01/30/95

% Solids: 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5170			P
7440-36-0	Antimony	5.5	B	N	P
7440-38-2	Arsenic	2.4			F
7440-39-3	Barium	78.6			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	4700			P
7440-47-3	Chromium	6.6			P
7440-48-4	Cobalt	10.5			P
7440-50-8	Copper	18.6			P
7439-89-6	Iron	22800			P
7439-92-1	Lead	3.7			F
7439-95-4	Magnesium	4080			P
7439-96-5	Manganese	264			P
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	600			P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.42	U		P
7440-23-5	Sodium	144	B		P
7440-28-0	Thallium	0.17	B	N	F
7440-62-2	Vanadium	50.7			P
7440-66-6	Zinc	72.9			P

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMT0

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-013

Level (low/med): LOW Date Received: 01/30/95

% Solids: 48.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8910			P
7440-36-0	Antimony	14.9	B	N	P
7440-38-2	Arsenic	23.6			F
7440-39-3	Barium	105			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	3.5			P
7440-70-2	Calcium	5370			P
7440-47-3	Chromium	102			P
7440-48-4	Cobalt	6.3	B		P
7440-50-8	Copper	157			P
7439-89-6	Iron	20600			P
7439-92-1	Lead	83.9			P
7439-95-4	Magnesium	3130			P
7439-96-5	Manganese	224			P
7440-02-0	Nickel	16.3			P
7440-09-7	Potassium	826	B		P
7782-49-2	Selenium	0.20	U		F
7440-22-4	Silver	0.78	U		P
7440-23-5	Sodium	284	B		P
7440-28-0	Thallium	0.47	B	N	F
7440-62-2	Vanadium	54.2			P
7440-66-6	Zinc	517			P

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMT1

Lab Name: QUANTERRA_MO_____ Contract: 550.56____

Lab Code: ITMO__ Case No.:_____ SAS No.:_____ SDG No.: W0403_____

Matrix (soil/water): SOIL_ Lab Sample ID: 7444-014

Level (low/med): LOW__ Date Received: 01/30/95

% Solids: _40.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	126000	_		P_
7440-36-0	Antimony_	8.1	U	N	P_
7440-38-2	Arsenic__	19.7	_		F_
7440-39-3	Barium___	90.0	_		P_
7440-41-7	Beryllium	0.68	B		P_
7440-43-9	Cadmium__	2.9	_		P_
7440-70-2	Calcium__	6040	_		P_
7440-47-3	Chromium_	96.1	_		P_
7440-48-4	Cobalt___	4.7	B		P_
7440-50-8	Copper___	184	_		P_
7439-89-6	Iron____	18400	_		P_
7439-92-1	Lead____	69.5	_		P_
7439-95-4	Magnesium	2470	_		P_
7439-96-5	Manganese	190	_		P_
7440-02-0	Nickel___	16.7	_		P_
7440-09-7	Potassium	858	B		P_
7782-49-2	Selenium_	0.25	U		F_
7440-22-4	Silver___	0.94	U		P_
7440-23-5	Sodium___	139	B		P_
7440-28-0	Thallium_	0.47	B	N	F_
7440-62-2	Vanadium_	44.6	_		P_
7440-66-6	Zinc____	497	_		P_
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMT7

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-017

Level (low/med): LOW Date Received: 01/30/95

% Solids: 42.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69200			P
7440-36-0	Antimony	37.2		N	P
7440-38-2	Arsenic	8.6			F
7440-39-3	Barium	639			P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	0.90	B		P
7440-70-2	Calcium	7500			P
7440-47-3	Chromium	226			P
7440-48-4	Cobalt	29.5			P
7440-50-8	Copper	195			P
7439-89-6	Iron	22400			P
7439-92-1	Lead	441			P
7439-95-4	Magnesium	1130	B		P
7439-96-5	Manganese	48.7			P
7440-02-0	Nickel	11.7			P
7440-09-7	Potassium	1810			P
7782-49-2	Selenium	0.24	U		F
7440-22-4	Silver	4.6			P
7440-23-5	Sodium	472	B		P
7440-28-0	Thallium	0.26	B	N	F
7440-62-2	Vanadium	242			P
7440-66-6	Zinc	105			P

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMT9

Lab Name: QUANTERRA_MO Contract: 550.56
Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403
Matrix (soil/water): SOIL Lab Sample ID: 7444-016
Level (low/med): LOW Date Received: 01/30/95
% Solids: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3710			P
7440-36-0	Antimony	8.8	B	N	P
7440-38-2	Arsenic	2.0			F
7440-39-3	Barium	104			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	3530			P
7440-47-3	Chromium	5.0			P
7440-48-4	Cobalt	11.6			P
7440-50-8	Copper	10.1			P
7439-89-6	Iron	11200			P
7439-92-1	Lead	2.1			F
7439-95-4	Magnesium	3470			P
7439-96-5	Manganese	363			P
7440-02-0	Nickel	6.3			P
7440-09-7	Potassium	437	B		P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.42	U		P
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	65.6			P
7440-66-6	Zinc	52.5			P

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMV0

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7466-001

Level (low/med): LOW Date Received: 02/01/95

% Solids: 89.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6570			P
7440-36-0	Antimony	7.1	B	N	P
7440-38-2	Arsenic	1.1			F
7440-39-3	Barium	169			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	0.43	B		P
7440-70-2	Calcium	6120			P
7440-47-3	Chromium	10.1			P
7440-48-4	Cobalt	12.3			P
7440-50-8	Copper	19.6			P
7439-89-6	Iron	25400			P
7439-92-1	Lead	3.3			F
7439-95-4	Magnesium	4890			P
7439-96-5	Manganese	347			P
7440-02-0	Nickel	11.3			P
7440-09-7	Potassium	458	B		P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.43	U		P
7440-23-5	Sodium	221	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	61.9			P
7440-66-6	Zinc	58.8			P

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMV1

Lab Name: QUANTERRA_MO Contract: 550.56
Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403
Matrix (soil/water): SOIL Lab Sample ID: 7466-002
Level (low/med): LOW Date Received: 02/01/95
% Solids: 94.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4840			P
7440-36-0	Antimony	4.9	B	N	P
7440-38-2	Arsenic	0.95			F
7440-39-3	Barium	88.5			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	4870			P
7440-47-3	Chromium	4.7			P
7440-48-4	Cobalt	11.3			P
7440-50-8	Copper	15.9			P
7439-89-6	Iron	24600			P
7439-92-1	Lead	2.9			F
7439-95-4	Magnesium	4230			P
7439-96-5	Manganese	287			P
7440-02-0	Nickel	6.2			P
7440-09-7	Potassium	398	B		P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.40	U		P
7440-23-5	Sodium	182	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	54.3			P
7440-66-6	Zinc	54.0			P

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Color After: Clarity After: Artifacts:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMV2

Lab Name: QUANTERRA_MO Contract: 550.56
Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403
Matrix (soil/water): SOIL Lab Sample ID: 7466-003
Level (low/med): LOW Date Received: 02/01/95
% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7050			P
7440-36-0	Antimony	4.7	B	N	P
7440-38-2	Arsenic	0.95			F
7440-39-3	Barium	88.0			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.41	U		P
7440-70-2	Calcium	13900			P
7440-47-3	Chromium	12.8			P
7440-48-4	Cobalt	9.4			P
7440-50-8	Copper	15.7			P
7439-89-6	Iron	21500			P
7439-92-1	Lead	3.8			F
7439-95-4	Magnesium	5600			P
7439-96-5	Manganese	374			P
7440-02-0	Nickel	13.9			P
7440-09-7	Potassium	800			P
7782-49-2	Selenium	0.11	U		F
7440-22-4	Silver	0.41	U		P
7440-23-5	Sodium	175	B		P
7440-28-0	Thallium	0.10	U	N	F
7440-62-2	Vanadium	42.9			P
7440-66-6	Zinc	43.5			P

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Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B0DMX5

Lab Name: QUANTERRA_MO Contract: 550.56

Lab Code: ITMO Case No.: SAS No.: SDG No.: W0403

Matrix (soil/water): SOIL Lab Sample ID: 7444-011

Level (low/med): LOW Date Received: 01/30/95

% Solids: 99.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.1			P
7440-36-0	Antimony	3.3	U	N	P
7440-38-2	Arsenic	0.12	U		F
7440-39-3	Barium	0.33	B		P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium	0.38	U		P
7440-70-2	Calcium	126	B		P
7440-47-3	Chromium	0.41	B		P
7440-48-4	Cobalt	0.41	U		P
7440-50-8	Copper	0.71	B		P
7439-89-6	Iron	131			P
7439-92-1	Lead	0.15	B		F
7439-95-4	Magnesium	30.9	B		P
7439-96-5	Manganese	0.33	B		P
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	267	U		P
7782-49-2	Selenium	0.10	U		F
7440-22-4	Silver	0.38	U		P
7440-23-5	Sodium	21.1	B		P
7440-28-0	Thallium	0.09	U	N	F
7440-62-2	Vanadium	0.25	U		P
7440-66-6	Zinc	1.3	B		P

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Project #: 550.56, 519.137
Analyst: J. Flandreau
Reviewed By: R. Patterson / 02-28-95
Reviewed By: R. Patterson / 02-28-95
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QUANTERRA ST. LOUIS

ANIONS BY I.C.

(ug/g) ug/L mg/L (circle one)

Prep Date: 02-03-95
Analysis Date: 02-03-95
Loop Used: 50 uL
Batch #: 58660
Method #: 300.0

Standard Value	Sample ID	Standard ID	Solid Fract.	Dil.	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
	QCBLK58660				<1.00	<2.50	<10.0	<0.200	<10.0	<0.200	—
Fl 10 NO_3 2.00 Cl 10 NO_2 0.02 SO_4 40 OP 10	QCLCS 58660	AL0876 95			10.3	8.96	~~3.70~~ 37.0	1.95	~~3.71~~ 37.1	0.780	—
	7429-001		0.9638	Fl 10 NO_3 1 SO_4 1 NO_2 1 OP 1	1.71	193	195	2.18	<10.4	<0.207	—
Fl 20.7 NO_3 4.41 Cl 20.7 NO_2 2.41 SO_4 9.1 OP 0.1	DUP 001		↓	↓	1.27	186	191	2.12	<10.3	<0.206	—
Fl 10 NO_3 4.50 Cl 10 NO_2 0.02 SO_4 10 OP 1.9	MS 001	AL0877 95	↓	Fl 10 NO_3 1.5 SO_4 5 OP 1	23.5	369	357	6.83	~~704~~ 21.7	6.78	—
	7444-001		0.9616	1	<1.04	<2.59	25.1	5.42	<10.4	<0.207	—
Fl 20 NO_3 4.51 Cl 20 NO_2 2.00 SO_4 20 OP 20	DUP 001		↓	1	<1.03	<2.58	24.7	5.34	<10.3	<0.207	—
Fl 19.6 NO_3 4.50 Cl 19.6 NO_2 1.01 SO_4 19.6 OP 19.9	MS 001	AL0878 95	↓	Fl 1.5 SO_4 5 NO_3 1.5 OP 1	22.4	200	216	9.61	20.9	6.24	—
	002		0.8574	1	3.18	<2.91	<11.6	1.01	<11.6	<0.233	—
	003		0.1630	Fl 1 SO_4 2 NO_3 1 OP 1	<6.03	49.5	1440	<1.21	<60.3	<1.21	—
	004		0.9128	1	1.13	<2.57	24.5	0.370	<10.3	<0.206	—
	005		0.4446	Fl 5 SO_4 10 NO_3 1.5 OP 1	<2.21	82.5	2250	41.2	<22.1	<0.442	—
	006		0.9445	1	<1.05	<2.62	<10.5	1.31	<10.5	<0.209	—
	007		0.8792	1	<1.12	13.3	& 113	6.02	<11.2	<0.224	—
	008		0.9354	1	~~<1.06~~ <0.960	~~<2.64~~ <2.40	54.1	1.03	~~<10.6~~ <9.60	~~<0.211~~ <0.192	—
	009		0.9301	1	<0.977	<2.44	79.0	1.17	<9.77	<0.195	—

All sample results were corrected for solid fraction.

% Recovery

	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
LCS-1	103	90	92	98	93	98	—
LCS-2							
7429 MS	105	85	78	99	105	107	—
7444 MS	112	100	95	93	104	103	
MS							

RPD

	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
7429 DUP	30	4	2	3	*	*	
7444 DUP	*	*	2	1	*	*	
DUP							

* can't calculate

0000229

Project #: 550.56 519.137
Analyst: J. Flanders
Reviewed By: R. Patterson 10-28-95
Reviewed By: R. Patterson 10-28-95
Page 2 of 2

QUANTERRA ST. LOUIS

ANIONS BY I.C.

ug/g ug/L mg/L (circle one)

Prep Date: 02-03-95
Analysis Date: 02-03-95
Loop Used: 50ml
Batch #: 58660
Method #: 300.0

Standard Value	Sample ID	Standard ID	Solid Fract.	Dil.	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
	7444-010		0.4744	Fl 1 Cl 1 SO_4 10 NO_3 1 NO_2 1 OP 1	<2.02	<5.06	2000	3.54	<20.2	<0.405	—
	011		0.9991	1	<0.995	3.00	<9.95	0.269	<9.95	<0.199	—
	012		0.9285	1	<1.04	<2.60	31.3	4.04	<10.4	<0.208	—
	013		0.4893	Fl 1 Cl 1 SO_4 10 NO_3 1 NO_2 1 OP 1	<1.84	39.1	1520	<0.369	<18.4	<0.369	—
	014		0.4030	Fl 1 Cl 1 SO_4 5 NO_3 1 NO_2 1 OP 1	<2.47	11.6	1830	10.4	<24.7	<0.494	—
	015		0.9077	1	1.19	6.20	63.9	4.51	<10.9	<0.219	—
	016		0.9031	Fl 1 Cl 1 SO_4 5 NO_3 1 NO_2 1 OP 1	1.89	<2.68	443	0.547	<10.7	<0.215	—

J. Flanders 02-21-95

Project #: 388.01, 536.01, 519.137, 519.140, 550.56, 522-05
Analyst: J. Flanders
Reviewed By: R. Patterson / 02-16-95
Reviewed By: R. Patterson / 02-16-95
Page 1 of 3

QUANTERRA ST. LOUIS

ANIONS BY I.C.

ug/g ug/L (mg/L) (circle one)

Prep Date: 02-13-95
Analysis Date: 02-13-95
Loop Used: 50 ml
Batch #: 59559
Method #: 300.0

	Standard Value	Sample ID	Standard ID	Solid Fract.	Dil.	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
1		QCBLK59559				<0.100	<0.250	<1.00	<0.020	<1.00	<0.020	<0.25
2	Fl 1 NO3 .100 Cl 1 NO2 .010 SO4 4 OP 4 Br 1	QCLCS59559	AL0733-95			1.01	0.938	3.67	0.194	3.76	0.078	0.980
3		7542-001			Fl 10 NO3 1000 Cl 10 NO2 5 SO4 1 OP 5 & 100	<1.00	44.1	14.0	981	<5.00	<0.100	<25.0
4		002			Fl 5 NO3 1 Cl 5 NO2 1 SO4 1 OP 1 & 1	16.8	5.80	2.37	<0.020	5.40	<0.020	<0.25
5		003			Fl 500 NO3 20000 Cl 1000 NO2 500 SO4 25 OP 100 & 25	243	3580	271	9210	134	<10.0	<6.25
6	20	7521-001 MS	AL0734-95		Cl 10	—	19.4	—	—	—	—	—
7		003			SO4 2	—	—	19.5	—	—	—	—
8		018			SO4 5	—	—	36.6	—	—	—	—
9		DUP 021			Fl 1 Cl 1 SO4 5	0.151	1.61	34.3	—	—	—	—
10		021			SO4 5	—	—	34.3	—	—	—	—
11	Fl 2 SO4 20 Cl 20	MS 021	AL0735-95		Fl 1 SO4 5 Cl 5	1.96	21.7	54.9	—	—	—	—
12		022			Cl 5 SO4 5	—	7.74	20.0	—	—	—	—
13		023			SO4 2	—	—	21.1	—	—	—	—
14		024			SO4 2	—	—	35.1	—	—	—	—
15		025			SO4 5	—	—	33.9	—	—	—	—
16		026			SO4 5	—	—	32.3	—	—	—	—

% Recovery

	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
LCS-1 H_2O	101	94	92	97	94	98	98
LCS-2 SOIL	99	92	92	101	95	106	100
7521-001 MS	—	~~89~~ 92	—	—	—	—	—
7521-021 MS	89	100	103	—	—	—	—
7527-001 MS	98	102	92	62	98	111	—
7462 MS	—	—	103	86	219	100	—
7505 MS	—	—	—	—	—	—	99

RPD

	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
7521-021 DUP	19	3	<1	—	—	—	—
7527 DUP	<1	4	<1	2	*	*	*
7462 DUP	—	—	14	24	11	*	—
7505 DUP							*

* can't calculate

Project #: 388.01, 536.01, 519.137, 379.140, 550.52, 522.05
Analyst: J. Flandrien
Reviewed By: R. Patterson / 02-16-95
Reviewed By: R. Patterson / 02-16-95
Page 2 of 3

QUANTERRA ST. LOUIS

ANIONS BY I.C.

(ug/g) ug/L (ng/L) (circle one)

Prep Date: 02-13-95
Analysis Date: 02-13-95
Loop Used: Stand
Batch #: 59559
Method #: 300.0

	Standard Value	Sample ID	Standard ID	Solid Fract.	Dil.	Fl	Cl	SO_4	NO_3-N	OPO_4	NO_2-N	Br
17		7527-001			Fl 1 NO3 5 Cl 1 NO2 1 SO4 5 OP 1 Br 1	0.241 mg/L	3.63 mg/L	21.7 mg/L	4.09 mg/L	<1.00 mg/L	<0.020 mg/L	<0.25
18		DP 001			↓	0.241	3.48	21.6	4.01	<1.00	<0.020	<0.25
19	Fl 2 NO3 .450 Cl 20 NO2 .609 SO4 20 PO4 2	MS 001	AL0736-95		Fl 1 NO3 5 Cl 1 NO2 1 SO4 5 OP 1 Br —	2.20	24.0	40.2	4.37	1.96 mg/L	0.676	—
20		002			Fl 1 NO3 — Cl — NO2 1 SO4 — OP 1 Br 1	0.255	—	—	—	<1.00	<0.020	<0.25
21		003			Fl 1 NO3 — Cl — NO2 1 SO4 — OP 1 Br 1	0.242	—	—	—	<1.00	<0.020	<0.25
22		004			Fl 1 NO3 — Cl — NO2 1 SO4 — OP 1 Br 1	0.248	—	—	—	<1.00	<0.020	<0.25
23		QCBLK59559				<1.00 ug/g	<2.50 ug/g	<10.0 ug/g	<0.200 ug/g	<10.0 ug/g	<0.200 ug/g	<2.50
24	Fl 10 NO2 2.00 Cl 10 NO2 .800 SO4 40 OP 40 Br 10	QCLCS59559	AL0737-95			9.86	9.21	36.8	2.02	38.0	0.850	10.0
25		7462-001		0.6799	SO4 1 NO3 1 NO2 1 OP 1	—	—	122	6.01	190	<0.291	—
26		DP 001		↓	↓	—	—	106	4.72	170	<0.285	—
27	Fl 5.3 NO3 6.37 Cl 5.3 NO2 9.22 SO4 25 OP 24.3	MS 001	AL0737-95	↓	SO4 5 NO3 1 NO2 5 OP 1	—	—	413	11.5	252	8.63	—
28		7466-001		0.8921	1	<1.12	<2.80	<11.2	0.852	<11.2	<0.224	—
29		002		0.9407	1	<1.04	<2.61	<10.4	0.302	<10.4	<0.209	—
30		003		0.9182	1	<1.03	<2.58	<10.3	1.60	<10.3	<0.206	—
31		7505-004		0.9080	1	—	—	—	—	—	—	<2.63
32		005		0.9081	1	—	—	—	—	—	—	<2.60
33		006		0.9241	1	—	—	—	—	—	—	<2.55
34		007		0.9286	1	—	—	—	—	—	—	<2.68
35		009		0.9186	1	—	—	—	—	—	—	<2.64
36		DP 009		↓	1	—	—	—	—	—	—	<2.67
37	Br 20.4	MS 009	AL0738-95	↓	1	—	—	—	—	—	—	20.1
38		7516-001		0.9175	1	—	—	—	—	—	—	<2.63
39		003		0.9282	1	—	—	—	—	—	—	<2.56
40		005		0.9146	1	—	—	—	—	—	—	<2.70
41		006		0.9289	1	—	—	—	—	—	—	<2.55

All solid sample results were corrected for solid fraction.

QUANTERRA ST. LOUIS

ANIONS BY I.C.

ug/g ug/L mg/L
(circle one)

Project #: 388.01, 536.01, 579.137, 579.140, 550.56, 522.05
Analyst: J. Flandreau
Reviewed By: R. Patterson / 02-16-95
Reviewed By: R. Patterson / 02-16-95
Page 3 of 3

Prep Date: 02-13-95
Analysis Date: 02-13-95
Loop Used: 50ul
Batch #: 59559
Method #: 300.0

Standard Value	Sample ID	Standard ID	Solid Fract.	Dil.	Fl	Cl	SO_4	NO_2-N	OPO_4	NO_3-N	Br
	7516-008		0.9191	1	–	–	–	–	–	–	<2.66
	↓ 013		0.8683	1	–	–	–	–	–	–	<2.83

ITAS-ST. LOUIS

NITRATE/NITRITE-N REPORT

Pg. 1 of 2

Analyst: Steven Popp
Project No.: misc
Reviewed by: Roxanne Patterson

Batch No.: 59558

Prep Date: 02-15-95
Analysis Date: 02-15-95
Method No.: 353.1
Date: 03-01-95

LAB ID	STANDARD ID	RAW VALUE x	DILUTION ÷	SAMPLE VOLUME (L or g) =	NITRATE/ NITRITE x	EXTRACT VOLUME (L) ÷	FRACTION SOLID =	FINAL CONCENTRATION (ug/L)-N ((ug/g)-N)	% RECOVERY	RPD
QCBLK59558		-4.444		5.000		0.05		< 0.500		
QCCS59558	AL1220-95	601.1		5.000				6.01	107	
7429-001		188.5		5.012			0.9638	1.95		
001DP		165.1		5.015				1.71		13
001MS	AL1221-95	724.4		5.014				7.50	95	
7462-001		1.484		5.002			0.6799	<0.735		
001DP		15.71		5.014				<0.733		*
001MS	AL1221-95	570.7		5.038				8.33	~~100~~ 101	RP 3-1-95
7444-001		465.5		5.120			0.9616	4.73		
001DP		466.7		5.108				4.75		<1
001MS	AL1223-95	911.7		5.039				9.41	80	
002		57.80		5.077			0.8574	0.664		
003		-4.444		5.002			0.1630	<3.07		
004		80.92		5.159			0.9128	0.859		
005		614.9	2	5.034			0.4446	27.5		
006		137.8		5.066			0.9445	1.44		
007		498.2		5.048			0.8792	5.61		
008		94.85		5.046			0.9354	1.00		
009		102.8		5.041			0.9301	1.09		
010		270.3		5.010			0.4744	5.69		

5.84 RP 3-1-95 5.64

8.24 RP 3-1-95

5.82 RP 3-1-95

* RPD can not be calculated since sample concentration is below detection limit
All sample results were corrected for solid fraction

SL-91-INORG-0039

00002443

ITAS-ST. LOUIS

NITRATE/NITRITE-N REPORT

Pg. 2 of 2

Analyst: Steven Ryan
Project No.: misc.
Reviewed by: R. Patterson

Batch No.: 59558

Prep Date: 02-15-95
Analysis Date: 02-15-95
Method No.: 353.1
Date: 03-01-95

True blk

LAB ID	STANDARD ID	RAW VALUE x	DILUTION ÷	SAMPLE VOLUME (L or g) =	NITRATE/ NITRITE x	EXTRACT VOLUME (L) ÷	FRACTION SOLID =	FINAL CONCENTRATION (ug/L)-N (ug/g)-N	% RECOVERY	RPD
7444-011		5.041		5.014		0.05	0.9991	<0.499		
012		361.3		5.041			0.9285	3.86		
016		85.66		5.034			0.9031	0.942		
7466-001		75.58		5.046			0.8921	0.839		
002		28.75		5.058			0.9407	<0.525		
003		85.66		5.048			0.9182	0.924		
7474-001		12.15		5.053			0.6251	<0.791		
001DP		10.38		5.045				<0.793		*
001MS	AL224-95	608.2		5.001				9.73	108	
7390-001		297.6		5.023			0.3102	9.55		
001DP		291.1		5.075				9.25		3
001MS	AL225-95	745.1		5.047				23.8	~~78~~ 79	RP 03-01-95

9.02

18.0 ~~15.2~~

RP 3-1-95

Steven Ryan 03-01-95

* RPD can not be calculated since ~~detection limit~~ sample concentration is below detection limit.

7/33-01-95

SL-01-N0000-0-10

00002444