EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report
(For CLP Use Only)

Case Number: 13022
SAS No. (if applicable):

1. Sample Description (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Rinsate
   5. Soil/Sediment
   6. Oil (SAS)
   7. Waste (SAS)
   8. Other (SAS) (Specify)

2. Region Number: III
Sampling Co.: DE MKEC
Sampler (Name): Jamie Hackney
3. Ship To: (919) 549-8263
Pompei Plant Laboratories
5308 Chapel Hill/Nelson Hwy
PO Box 12652
RTP, NC 27709
Attn: Melanie Carter

4. Date Shipped: 10/25/89
Airbill Number: 7708755746
Carrier: Federal Express

Triple volume required for matrix spike/duplicate aqueous sample.

Ship medium and high concentration samples in paint cans.

See reverse for additional instructions.

5. Date Received: 10/26/89
Received by: V. Daft
Laboratory Contract Number: 68-01-7397
Unit Price: 977.00
6. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Number (From labels)	(A) Sample Description (From box 1)	(B) Concentration L=low M=med H=high	(C) RAS Analysis VOA	BNA	Pest/PCB	(D) Special Handling	(E) Station Location	(F) Date/Time of Sample Collection	(G) Corresponding CLP Inorganic Sample Number	(H) Sample Condition on Receipt	(I) High Conc. Phases (Check below) Solid	Water—MIS Liq.	Non Water—MIS Liq.
CBZ-70	2	L		X	X		AM-2	10/24/89 0955		297936			
CBZ-71	2	L		X	X		AM-3	10/24/89 1615		297943			
CBZ-72	1	L		X	X		AM-4	10/24/89 1345		297947			
CBZ-73	1	L		X	X		AM-7	10/24/89 1450		297952			

RECEIVED IN GOOD CONDITION 10/26/89

FPA Form 9110-2 (9-88) Replaces EPA Form 9175-2 which is obsolete

13022 CBZ70 SAMPLE DATA PACKAGE

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report
(For CLP Use Only)

Case Number: 13022
SAS No (if applicable):

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

2. Region Number: III
Sampling Co.: DE DNREC
Sampler (Name): Jamie Hackney
3. Ship To: (919) 379-8323 Compu Chem Laboratories 3308 Chapel Hill/Nelson Hwy. P.O Box 12652 RTP, NC 27709 Attn: Natalie Carter

4. Date Shipped: 10/25/89
Airbill Number: 4152331872
Carrier: Federal Express

Triple volume required for matrix spike/duplicate aqueous sample.
Ship medium and high concentration samples in paint cans.
See reverse for additional instructions.

5. Date Received: 10/26/89 Received by: V. Bolt
Laboratory Contract Number: 68-01-7397
Unit Price: 977.00
6. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Number (From labels)	(A) Sample Description (From box 1)	(B) Concentration L=low M=med H=high	(C) RAS Analysis VOA	BNA	Pest/PCB	(D) Special Handling	(E) Station Location	(F) Date/Time of Sample Collection	(G) Corresponding CLP Inorganic Sample Number	(H) Sample Condition on Receipt	(I) High Conc. Phases (Check below) Solid	Water—MIS Liq	Non Water—MIS Liq
CBZ-74	1	L		X	X	DO QC	A11-5	10/24/89 1521		297953			
CBZ-75	1	L		X	X		A11-9	10/24/89 1110		297954			
CBZ-76	1	L		X	X		A11-11	10/24/89 1330		297955			

RECEIVED IN GOOD CONDITION

EPA Form 8110-2 (8-88) Replaces EPA Form 2075-7 which may be used

13022 CBZ70 SAMPLE DATA PACKAGE

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report
(For CLP Use Only)

Case Number: 13022
SAS No. (If applicable):

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

2. Region Number: III
Sampling Co.: DE DNREC
4. Date Shipped: 10/25/89
Airbill Number: 4182337383
5. Date Received: 10/26/89
Received by: V. Batt
Sampler (Name): Lynne Hackney
Carrier: Federal Express
Laboratory Contract Number: 68-01-7397
Unit Price: 977.00
3. Ship To: (TM) Sentry Laboratories, Sample Mgmt Laboratories, 3308 Chapel Hill/Nelson Hwy, P.O. Box 12652, RTP, NC 27709, Attn: Natalie Carter
Triple volume required for matrix spike/duplicate aqueous sample.
Ship medium and high concentration samples in paint cans.
See reverse for additional instructions.
6. Transfer to
Date Received
Received by
Contract Number
Price

CLP Sample Number (From labels)	(A) Sample Description (From box 1)	(B) Concentration L=low M=med H=high	(C) RAS Analysis VOA	BNA	Pest/PCB	(D) Special Handling	(E) Station Location	(F) Date/Time of Sample Collection	(G) Corresponding CLP Inorganic Sample Number	(H) Sample Condition on Receipt	(I) High Conc. Phases (Check below) Solid	Water—MIS Liq.	Non Water—MIS Liq.
CBZ-81	5	L	X	X	X		MW-12	10/25/89 1330		297978			
CBZ-82	5	L	X	X	X		MW-13	10/24/89 1021		297979			
CBZ-83	5	L	X	X	X		MW-11	10/24/89 1040		297980			
CBZ-84	5	L	X	X	X	DO OC	MW-1	10/25/89 1115		297981			
CBZ-85	5	L	X	X	X		MW-16	10/25/89 1150		297984			
CBZ-86	5	L	X	X	X		MW-17	10/25/89 1220		297989			
CBZ-87	5	L	X	X	X		MW-18	10/25/89 1305		297996			
CBZ-77	2	L	X				MW-1	10/25/89 0950		297964			
CBZ-70	2	L	X				MW-7	10/25/89 [illegible]	0955	297936			
CBZ-71	4	L	X				MW-5	10/25/89 [illegible]	1615	297943			
CBZ-74	1	L	X			DO OC	MW-[illegible]	[illegible]		297953			
CBZ-78	5	L	X	X	X		MW-6	10/24/89 [illegible]		297966			
CBZ-73	1	L	X				MW-7	10/25/89 1150		297952			
CBZ-80	5	L	X	X	X		MW-8	10/25/89 1158		297977			
CBZ-75	1	L	X				MW-9	10/25/89 [illegible]		297954			
CBZ-79	5	L	X	X	X		MW-10	10/25/89 [illegible]		297976			
CBZ-76	1	L	X				MW-11	10/24/89 [illegible]		297955			
CBZ-72	1	L	X				MW-4	10/25/89 1345		297947			

RECEIVED IN GOOD CONDITION 10/26/89

13022 CBZ70 SAMPLE DATA PACKAGE

630

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
01	PBLK93	102	0
02	CBZ84MS	107	0
03	CBZ84MSD	82	0
04	PBLK89	82	0
05	CBZ78	101	0
06	CBZ79	83	0
07	CBZ80	66	0
08	CBZ81	78	0
09	CBZ82	85	0
10	CBZ83	118	0
11	CBZ84	56	0
12	CBZ85	113	0
13	CBZ86	123	0
14	CBZ87	0 *	0
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY QC LIMITS (20-150)

S1 (DBC) = Dibutylchlorendate

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

3E
WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix Spike - EPA Sample No.: CBZ74

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.200	0.000	0.110	55 *	56-123
Heptachlor	0.200	0.000	0.130	65	40-131
Aldrin	0.200	0.000	0.150	75	40-120
Dieldrin	0.500	0.000	0.410	82	52-126
Endrin	0.500	0.000	0.440	88	56-121
4,4'-DDT	0.500	0.000	0.390	78	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.200	0.110	55 *	0	15	56-123
Heptachlor	0.200	0.150	75	14	20	40-131
Aldrin	0.200	0.160	80	6	22	40-120
Dieldrin	0.500	0.440	88	7	18	52-126
Endrin	0.500	0.460	92	4	21	56-121
4,4'-DDT	0.500	0.400	80	3	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS:

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3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix Spike - EPA Sample No.: CBZ84 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	98.765	0.000	85.800	87	46-127
Heptachlor	98.765	0.000	95.800	97	35-130
Aldrin	98.765	0.000	95.300	96	34-132
Dieldrin	246.914	0.000	223.000	90	31-134
Endrin	246.914	0.000	276.000	112	42-139
4,4'-DDT	246.914	0.000	94.500	38	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	98.765	77.100	78	11	50	46-127
Heptachlor	98.765	89.100	90	7	31	35-130
Aldrin	98.765	93.700	95	1	43	34-132
Dieldrin	246.914	218.000	88	2	38	31-134
Endrin	246.914	286.000	116	4	45	42-139
4,4'-DDT	246.914	220.000	89	80 *	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

8E

PESTICIDE EVALUATION STANDARDS SUMMARY

Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Instrument ID: 02 GC Column ID: OV-101

Dates of Analyses: 11/07/89 to 11/09/89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	CBZ87	CP 297996	11/08/89	04:13		*
02	PBLK89	CP 299624 B1	11/08/89	10:21	-1.5	
03	PBLK79	CP 299184 B	11/08/89	10:57	-1.2	
04	EVALB	EVALB	11/08/89	11:26	-1.9	
05	9168TR101	CP 297240	11/08/89	11:54		*
06	9168TR121	CP 297250	11/08/89	13:54	-1.9	
07	BBA98MS	PP 296997 SS	11/08/89	15:54		*
08	BBA98MSD	PP 296998 SS	11/08/89	16:23		*
09	PBLK09	CP 299719 B1	11/08/89	20:54		*
10	INDA	SD 4360	11/08/89	21:22	-1.3	
11	INDB	SD 4364	11/09/89	00:39	-1.6	

* Values outside of QC limits (2.0% for packed columns, 0.3% for capillary columns)

10
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

CBZ78

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

GC Column ID (1): 2250/2401 GC Column ID (2): OV-101

Instrument ID (1): 07 Instrument ID (2): 02

Lab Sample ID: 297966

Lab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Aroclor-1254	Column 1	9.42	9.24	9.62	N	N
02	Column 2	9.81	9.48	9.87	Y	N

Comments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

CBZ80

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

GC Column ID (1): 2250/2401 GC Column ID (2): OV-101

Instrument ID (1): 07 Instrument ID (2): 02

Lab Sample ID: 297977

Lab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Aroclor-1254	Column 1	9.39	9.24	9.62	Y	N
02	Column 2	9.79	9.48	9.87	N	N

Comments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

CBZ83

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

GC Column ID (1): 2250/2401 GC Column ID (2): OV-101

Instrument ID (1): 07 Instrument ID (2): 02

Lab Sample ID: 297980

Lab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 4,4'-DDT	Column 1	13.08	12.77	13.29	Y	N
02	Column 2	12.86	12.52	13.03	N	N

Comments: _____

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKIM

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: VBLKIM

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB891101A12

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 11/01/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	1	J
67-64-1	Acetone	10	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	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	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	10	U
591-78-6	2-Hexanone	10	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	Total Xylenes	5	U

FORM I VOA 1/87 Rev.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKIM

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: VBLKIM

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB891101A12

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 11/01/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKM2

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH098772A19

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 11/04/89

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	12	
67-64-1	Acetone	5	J
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	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	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	10	U
591-78-6	2-Hexanone	10	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	Total Xylenes	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKM2

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH098772A19

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 11/04/89

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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297940

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097940B12

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. ____ Date Analyzed: 11/01/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	10	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	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	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	10	U
591-78-6	2-Hexanone	10	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	Total Xylenes	5	U

FORM I VOA 1/87 Rev.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MSD

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297941

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097941B12

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. ____ Date Analyzed: 11/01/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	2	BJ
67-64-1	Acetone	10	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	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	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	10	U
591-78-6	2-Hexanone	10	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	Total Xylenes	5	U

FORM I VOA 1/87 Rev.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ84MS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297970

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097970A19

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 Date Analyzed: 11/04/89

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	37	U
74-83-9	Bromomethane	37	U
75-01-4	Vinyl Chloride	37	U
75-00-3	Chloroethane	37	U
75-09-2	Methylene Chloride	210	B
67-64-1	Acetone	61	B
75-15-0	Carbon Disulfide	19	U
75-35-4	1,1-Dichloroethene	19	U
75-34-3	1,1-Dichloroethane	19	U
540-59-0	1,2-Dichloroethene (total)	19	U
67-66-3	Chloroform	19	U
107-06-2	1,2-Dichloroethane	19	U
78-93-3	2-Butanone	37	U
71-55-6	1,1,1-Trichloroethane	19	U
56-23-5	Carbon Tetrachloride	19	U
108-05-4	Vinyl Acetate	37	U
75-27-4	Bromodichloromethane	19	U
78-87-5	1,2-Dichloropropane	19	U
10061-01-5	cis-1,3-Dichloropropene	19	U
79-01-6	Trichloroethene	19	U
124-48-1	Dibromochloromethane	19	U
79-00-5	1,1,2-Trichloroethane	19	U
71-43-2	Benzene	19	U
10061-02-6	Trans-1,3-Dichloropropene	19	U
75-25-2	Bromoform	19	U
108-10-1	4-Methyl-2-Pentanone	37	U
591-78-6	2-Hexanone	37	U
127-18-4	Tetrachloroethene	19	U
79-34-5	1,1,2,2-Tetrachloroethane	19	U
108-88-3	Toluene	19	U
108-90-7	Chlorobenzene	19	U
100-41-4	Ethylbenzene	19	U
100-42-5	Styrene	19	U
1330-20-7	Total Xylenes	19	U

FORM I VOA 1/87 Re

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ84MSD

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297971

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097971A19

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 Date Analyzed: 11/04/89

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	37	U
74-83-9	Bromomethane	37	U
75-01-4	Vinyl Chloride	37	U
75-00-3	Chloroethane	37	U
75-09-2	Methylene Chloride	110	B
67-64-1	Acetone	28	BJ
75-15-0	Carbon Disulfide	19	U
75-35-4	1,1-Dichloroethene	19	U
75-34-3	1,1-Dichloroethane	19	U
540-59-0	1,2-Dichloroethene (total)	19	U
67-66-3	Chloroform	19	U
107-06-2	1,2-Dichloroethane	19	U
78-93-3	2-Butanone	37	U
71-55-6	1,1,1-Trichloroethane	19	U
56-23-5	Carbon Tetrachloride	19	U
108-05-4	Vinyl Acetate	37	U
75-27-4	Bromodichloromethane	19	U
78-87-5	1,2-Dichloropropane	19	U
10061-01-5	cis-1,3-Dichloropropene	19	U
79-01-6	Trichloroethene	19	U
124-48-1	Dibromochloromethane	19	U
79-00-5	1,1,2-Trichloroethane	19	U
71-43-2	Benzene	19	U
10061-02-6	Trans-1,3-Dichloropropene	19	U
75-25-2	Bromoform	19	U
108-10-1	4-Methyl-2-Pentanone	37	U
591-78-6	2-Hexanone	37	U
127-18-4	Tetrachloroethene	19	U
79-34-5	1,1,2,2-Tetrachloroethane	19	U
108-88-3	Toluene	19	U
108-90-7	Chlorobenzene	19	U
100-41-4	Ethylbenzene	19	U
100-42-5	Styrene	19	U
1330-20-7	Total Xylenes	19	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK71

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: SBLK71

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099193C22

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1 1/87 Rev.

ORIGINAL (Red)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK71

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: SBLK71

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099193C22

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 1/87 Rev.

ORIGINAL

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK71

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: SBLK71

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099193C22

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SV-TIC 1/87 Rev.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL

EPA SAMPLE NO.

SBLK81

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: SBLK81

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099624C20

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

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	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
39638-32-9	bis(2-Chloroisopropyl)Ether	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SBLK81

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: SBLK81

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099624C20

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

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	1600	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	49	J
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenzo(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK81

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: SBLK81

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099624C20

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

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.	BLANK CONTAMINANT	5.92	470	J

ORIGINAL

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297937

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH097937A22

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1 1/87 Rev.

ORIGINAL

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297937

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH097937A22

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	J
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 1/87 Rev.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MSD

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297938

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH097938A22

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1 1/87 Rev.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MSD

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297938

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH097938A22

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/31/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 1/87 Rev.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ84MS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297967

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097967C20

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl Alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
65-85-0	Benzoic Acid	5900	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	250	J
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	5900	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	5900	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ84MS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297967

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097967C20

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	5900	U
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	5900	U
100-02-7	4-Nitrophenol	5900	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-01-6	4-Nitroaniline	5900	U
534-52-1	4,6-Dinitro-2-Methylphenol	5900	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	5900	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	360	J
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	2400	U
56-55-3	Benzo(a)Anthracene	180	J
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)Phthalate	610	BJ
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	400	JX
207-08-9	Benzo(k)Fluoranthene	400	JX
50-32-8	Benzo(a)Pyrene	150	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3	Dibenzo(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CBZ84MSD

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297968

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097968C20

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl Alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
65-85-0	Benzoic Acid	5900	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	450	J
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	5900	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	5900	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ84MSD

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297968

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097968C20

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 dec. ____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	5900	U
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	5900	U
100-02-7	4-Nitrophenol	5900	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-01-6	4-Nitroaniline	5900	U
534-52-1	4,6-Dinitro-2-Methylphenol	5900	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	5900	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	2400	U
56-55-3	Benzo(a)Anthracene	160	J
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)Phthalate	590	BJ
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	380	JX
207-08-9	Benzo(k)Fluoranthene	380	JX
50-32-8	Benzo(a)Pyrene	160	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3	Dibenzo(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK67

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 299159

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. _____ dec. _____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/01/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK89

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 299624

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

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. _____ dec. _____ Date Extracted: 11/02/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/07/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
1031-07-8	Endosulfan sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin ketone	16.	U
5103-71-9	alpha-Chlordane	80.	U
5103-74-2	gamma-Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80.	U
11104-28-2	Aroclor-1221	80.	U
11141-16-5	Aroclor-1232	80.	U
53469-21-9	Aroclor-1242	80.	U
12672-29-6	Aroclor-1248	80.	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK93

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 300105

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

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. _____ dec. _____ Date Extracted: 11/04/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
1031-07-8	Endosulfan sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin ketone	16.	U
5103-71-9	alpha-Chlordane	80.	U
5103-74-2	gamma-Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80.	U
11104-28-2	Aroclor-1221	80.	U
11141-16-5	Aroclor-1232	80.	U
53469-21-9	Aroclor-1242	80.	U
12672-29-6	Aroclor-1248	80.	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MS

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297944

Sample wt/vol: 500 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ84MS

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297973

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

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 dec. ____ Date Extracted: 11/04/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	30.	U
319-85-7	beta-BHC	30.	U
319-86-8	delta-BHC	30.	U
58-89-9	gamma-BHC (Lindane)	30.	U
76-44-8	Heptachlor	30.	U
309-00-2	Aldrin	30.	U
1024-57-3	Heptachlor epoxide	30.	U
959-98-8	Endosulfan I	30.	U
60-57-1	Dieldrin	59.	U
72-55-9	4,4'-DDE	59.	U
72-20-8	Endrin	59.	U
33213-65-9	Endosulfan II	59.	U
72-54-8	4,4'-DDD	59.	U
1031-07-8	Endosulfan sulfate	59.	U
50-29-3	4,4'-DDT	59.	U
72-43-5	Methoxychlor	300	U
53494-70-5	Endrin ketone	59.	U
5103-71-9	alpha-Chlordane	300	U
5103-74-2	gamma-Chlordane	300	U
8001-35-2	Toxaphene	590	U
12674-11-2	Aroclor-1016	300	U
11104-28-2	Aroclor-1221	300	U
11141-16-5	Aroclor-1232	300	U
53469-21-9	Aroclor-1242	300	U
12672-29-6	Aroclor-1248	300	U
11097-69-1	Aroclor-1254	590	U
11096-82-5	Aroclor-1260	590	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CBZ84MSD

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ78

Matrix: (soil/water) SOIL Lab Sample ID: 297974

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

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. 73 dec. ____ Date Extracted: 11/04/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	30.	U
319-85-7	beta-BHC	30.	U
319-86-8	delta-BHC	30.	U
58-89-9	gamma-BHC (Lindane)	30.	U
76-44-8	Heptachlor	30.	U
309-00-2	Aldrin	30.	U
1024-57-3	Heptachlor epoxide	30.	U
959-98-8	Endosulfan I	30.	U
60-57-1	Dieldrin	59.	U
72-55-9	4,4'-DDE	59.	U
72-20-8	Endrin	59.	U
33213-65-9	Endosulfan II	59.	U
72-54-8	4,4'-DDD	59.	U
1031-07-8	Endosulfan sulfate	59.	U
50-29-3	4,4'-DDT	59.	U
72-43-5	Methoxychlor	300	U
53494-70-5	Endrin ketone	59.	U
5103-71-9	alpha-Chlordane	300	U
5103-74-2	gamma-Chlordane	300	U
8001-35-2	Toxaphene	590	U
12674-11-2	Aroclor-1016	300	U
11104-28-2	Aroclor-1221	300	U
11141-16-5	Aroclor-1232	300	U
53469-21-9	Aroclor-1242	300	U
12672-29-6	Aroclor-1248	300	U
11097-69-1	Aroclor-1254	590	U
11096-82-5	Aroclor-1260	590	U

ORIGINAL (Red)

WESTON
MANAGERS DESIGNERS/CONSULTANTS
2568A RIVA ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 301-266-9887

DATE: 02 FEBRAURY 1990

SUBJECT: INORGANIC DATA VALIDATION
SITE: AMETEK SI INSPECTION

FROM: PETE CHAPMAN PC
INORGANIC DATA REVIEWER

MARSHA BURRELL PC for
SENIOR DATA REVIEWER

TO: TERRY SIMPSON
ESAT DEPUTY PROJECT OFFICER

THRU: RICHARD D. DRESSER
ESAT TEAM MANAGER

OVERVIEW

The set of samples for Ametek SI Inspection contained seven (7) aqueous samples and ten soil (10) samples which were analyzed through the Contract Laboratory Program (CLP) Routine Analytical Services. The State of Delaware is exempt from analyzing potassium (K).

SUMMARY

All analytes with the exception of Sb, Be, and Tl in the soil samples were successfully analyzed in all samples. Areas of concern with respect to data usability are listed according to the seriousness of the problem. These include:

MAJOR PROBLEMS

The soil matrix spike recoveries were extremely low (<30%) for the Sb, Be, and Tl analytes. The quantitation limits and reported results for these analytes may be biased extremely low therefore, have been qualified "R" (unreliable) and "L", unless superseded by "B" denoting blank contamination.

MINOR ISSUES

The aqueous preparation blank had reported results that were >IDL for the Al, Fe, Mn, and Zn analytes. The reported results for these analytes in the affected samples which are <5x the blank concentration may be biased high and, therefore, have been qualified "B".

ORIGINAL (Red)

The soil preparation blank had results >IDL for the Be and Na analytes. The reported results for these analytes in the affected samples which are <5x the blank concentration may be biased high and, therefore, have been qualified "B".

The ICP Serial Dilution for the Ca, Mn, and Na analytes in the soil samples were outside of the control limit. The reported results for these analytes in the affected soil samples have been qualified estimated, "J", unless qualified "B" denoting blank contamination.

The aqueous matrix spike recovery was high (>125%) for the Cd analyte. The reported result in the aqueous sample DT3722 may be biased high and therefore has been qualified "K".

The soil matrix spike recovery was extremely low (<30%) for the As analyte. The reported results for the As analyte may be biased extremely low and, therefore, have been qualified "L".

The soil matrix spike recovery was low (30-74%) for the Se analyte. The quantitation limits and reported result for these samples may be biased low and have been qualified "UL", and "L", respectively.

Analytical spike recoveries for several analytes were low (<85%) or high (>115%) in the analyses. The reported results and quantitation limits may be biased and have been qualified accordingly for the analytes in the affected samples as summarized in the following table:

ANALYTE	SAMPLE TYPE	RECOVERY	REPORTED RESULTS	QUANTITATION LIMIT
Sb,Tl	Aqueous	Low	N/A	UL
Pb	Aqueous	High	K	N/A
Se	Soil	Low	L	N/A

NOTES:

The data was reviewed in accordance with the National Functional Guidelines for Evaluating Inorganic Analyses.

ATTACHMENTS

TABLE 1A	SUMMARY OF QUALIFIERS ON DATA SUMMARY AFTER DATA VALIDATION
TABLE 1B	CODES USED IN COMMENTS COLUMN
TABLE 2	GLOSSARY OF DATA QUALIFIER CODES
TABLE 3	DATA SUMMARY FORM
APPENDIX A	RESULTS REPORTED BY LABORATORY FORM I's
APPENDIX B	DPO REPORT
APPENDIX C	SUPPORT DOCUMENTATION

PC001A05.ASI

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TABLE 1A

SUMMARY OF QUALIFIERS ON DATA SUMMARY AFTER DATA VALIDATION

ANALYTE	SAMPLES AFFECTED	POSITIVE VALUES	NON-DETECTED VALUES	BIAS	COMMENTS*
Al	All aqueous samples	B		High	A (113ppb)
Sb	DT3723		UL	Low	B (82%)
	All soil samples	L	R	Extremely Low	C (0.0%)
As	All soil samples	L		Extremely Low	C (16.6%)
Be	All soil samples except DT3732		R	Extremely Low	C (0.1%)
	DT3732	B		High	A (0.71mg/Kg) C (0.1%)
Cd	DT3722	K		High	D (140%)
Ca	All soil samples	J			E (15.7%)
Fe	DT3721,DT3722, DT3724,DT3725	B		High	A (85.5ppb)
Pb	DT3720,DT3723	K		High	F (117-125%)
Mn	DT3719,DT3720	B		High	A (3.4ppb)
	All soil samples	J			E (15.6%)
Se	All soil samples except DT3731		UL	Low	G (46.2%)
	DT3731	L		Low	G (46.2%) B (83%)

ORIGINAL (Red)

WESTON SM

TABLE 1A (CONT)

SUMMARY OF QUALIFIERS ON DATA SUMMARY
AFTER DATA VALIDATION

ANALYTE	SAMPLES AFFECTED	POSITIVE VALUES	NON-DETECTED VALUES	BIAS	COMMENTS*
Na	All soil samples, except DT3726, DT3727, DT3728	J			E (68.8%)
	DT3726, DT3727, DT3728	B		High	A (59.8mg/Kg) E (68.8%)
Tl	DT3723		UL	Low	B (84%)
	All soil samples	R		Extremely Low	C (0.0%)
Zn	DT3720	B		High	A (3.5ppb)

ORIGINAL (Red)

WESTON SM

TABLE 1B

CODES USED IN COMMENTS COLUMN

A = The preparation blank had a result >IDL (the result is in parentheses) and the reported results were <5x the blank. The reported results may be biased high.

B = Due to a low analytical spike recovery (% recovery is in parentheses), the quantitation limits and/or reported results may be biased low.

C = Due to an extremely low matrix spike recovery (% recovery is in parentheses), the quantitation limits may be biased extremely low.

D = Due to a high matrix spike recovery (% recovery is in parentheses), the reported results may be biased high.

E = The ICP Serial Dilution exceeded the ±10% control limit (the result is in parentheses). The reported results are estimated.

F = Due to a high analytical spike recovery (% recovery is in parentheses), the report results may be biased high.

G = Due to a low matrix spike recovery (% recovery is in parentheses), the quantitation limits and/or reported results may be biased low.

ORIGINAL (Red)

WESTON SM

TABLE 2

GLOSSARY OF DATA QUALIFIER CODES (INORGANIC)

CODES RELATED TO IDENTIFICATION
(confidence concerning presence or absence of analytes):

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

(NO CODE) = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

CODES RELATED TO QUANTITATION
(can be used for both positive results and sample quantitation limits):

J = Analyte Present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

[] = Analyte present. As values approach the IDL the quantitation may not be accurate.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

Q = No analytical result.

Table 3

DATA SUMMARY FORM: I N O R G A N I C S

WATER SAMPLES (ug/L)

Site Name: Anctek SI Inspection

Case #: DE13 Sampling Date(s): 10/23/87

*Due to dilution, sample quantitation limit is affected. See dilution table for specifics.

CRDL	ANALYTE	DT3719		DT3720		DT3721		DT3722		DT3723		DT3724		DT3725	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	AM-2		AM-3		AM-4		AM-5		AM-7		AM-9		AM-11	
00	Aluminum	[102]	B	[86]	B	[148]	B	[172]	B	[178]	B	[179]	B	[163]	B
0	Antimony										UL				
0	*Arsenic														
00	Barium					[33.6]		[33.5]		[49.8]		[35.1]		[34.7]	
	Beryllium														
	*Cadmium							[4.4]	K						
000	Calcium	[18410]		[28500]		23300		23000		24000		23000		24100	
10	*Chromium														
50	Cobalt														
25	Copper	30.4		[9.3]		[3.3]		[3.2]		[4.4]					
100	Iron					112	B	119	B	1510		130	B	109	B
5	*Lead			[1.2]	K					[1.3]	K				
5000	Magnesium	[391]		[602]		8640		8500		7210		8590		8510	
15	Manganese	[1.6]	B	[7.1]	B	44.5		45.9		206		45.9		45.1	
0.2	Mercury	0.26													
40	*Nickel														
5000	Potassium		Q		Q		Q		Q		Q		Q		Q
5	Selenium														
10	Silver														
5000	Sodium	10200		13200		9630		8810		8940		9470		9840	
10	Thallium										UL				
50	Vanadium														
20	Zinc	43.5		[71.3]	B	189		172		201		165		191	
10	*Cyanide														

CRDL = Contract Required Detection Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

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Table 3

DATA SUMMARY FORM: I N O R G A N I C S

Site Name: Ametek SI Inspection

SOIL SAMPLES (mg/Kg)

Case #: DE13 Sampling Date(s): 10/23/89

+Due to dilution, sample quantitation limit is affected. See dilution table for specifics.

CRDL	ANALYTE	DT3726		DT3727		DT3728		DT3729		DT3730		DT3731		DT3732		DT3733		DT3734		DT3735	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	% Solids	67.5		68.1		68.9		54.3		77.5		67.7		36.8		64.1		68.8		69.3	
	Location	AM-6		AM-8		AM-10		AM-12		AM-13		AM-14		AM-15		AM-16		AM-17		AM-18	
40	Aluminum	7610		7330		4520		12200		18300		17200		11400		13500		11600		9410	
12	Antimony		R		R	[6.4]	L		R		R		R		R		R		R		R
2	Arsenic	[0.91]	L	[2.4]	L	[1.0]	L	[1.4]	L	4.5	L	[2.7]	L	34.1	L	3.9	L	[2.1]	L	[2.4]	L
40	Barium	90.2		73.4		62.8		111		153		171		201		171		145		136	
1	Beryllium		R		R		R		R		R		R	[1.8]	B		R		R		R
1	Cadmium	2.5		2.5		1.6		4.0		3.0		4.7		11.8		5.3		5.9		5.5	
1000	Calcium	[1080]	J	[1140]	J	3540	J	[1350]	J	1690	J	2930	J	2840	J	2340	J	5110	J	6120	J
2	Chromium	23.4		20.8		16.3		31.8		37.3		47.6		33.5		31.3		43.8		43.9	
10	Cobalt	[7.8]		[5.6]		[3.4]		[8.5]		[11.0]		[12.6]		[9.9]		[11.9]		[13.9]		149	
5	Copper	19.1		18.6		18.3		33.3		34.2		34.4		34.4		198		101		120	
20	Iron	14000		13600		9080		17800		19900		26300		83000		24800		23400		20200	
1	*Lead	15.8		29.4		23.3		57.0		52.0		54.3		161		333		181		204	
1000	Magnesium	2950		2630		3080		3650		2260		5050		[2080]		4440		4460		4520	
3	Manganese	149	J	157	J	83.5	J	216	J	623	J	576	J	1140	J	330	J	398	J	374	J
0.2	Mercury															0.16					
8	Nickel			[6.0]				[10.6]		13.4		18.1				25.5		44.2		50.3	
1000	Potassium		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
1	Selenium		UL		UL		UL		UL		UL	[0.43]	L		UL		UL		UL		UL
2	Silver																				
1000	Sodium	[287]	B	[284]	B	[265]	B	[360]	J	[334]	J	[418]	J	[840]	J	[337]	J	[365]	J	[331]	J
2	Thallium		R		R		R		R		R		R		R		R		R		R
10	Vanadium	29.2		26.2		19.1		39.7		42.7		50.3		43.6		56.1		45.2		45.3	
4	Zinc	275		287		366		579		174		868		363		3600		1460		176	
2	Cyanide							1.4													

CRDL = Contract Required Detection Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

revised 12/88

ORIGINAL
(Red)

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APPENDIX A

RESULTS REPORTED BY LABORATORY

FORM I'S

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3719

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037190

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	102	B		P
7440-36-0	Antimony	8.0	U		F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	11.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U	N	P
7440-70-2	Calcium	1840	B		P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	30.4			P
7439-89-6	Iron	3.0	U		P
7439-92-1	Lead	1.0	U	W	F
7439-95-4	Magnesium	391	B		P
7439-96-5	Manganese	7.6	B		P
7439-97-6	Mercury	0.26			CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	10200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	[illegible]			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3720

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037200

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	86.0	B		P
7440-36-0	Antimony	2.0	U		F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	11.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U	N	P
7440-70-2	Calcium	2850	B		P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	9.3	B		P
7439-89-6	Iron	3.0	U		P
7439-92-1	Lead	1.2	B	W	F
7439-95-4	Magnesium	602	B		P
7439-96-5	Manganese	7.1	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium	[illegible]	[illegible]		NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	13200	[illegible]		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	17.3	B		P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3721

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037210

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	148	B		P
7440-36-0	Antimony	2.0	U		F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	33.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U	N	P
7440-70-2	Calcium	23300			P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	112			P
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium	8640			P
7439-96-5	Manganese	44.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9630			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	189			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Comments:

ORIGINAL (Red)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
CENTRAL REGIONAL LABORATORY
839 BESTGATE ROAD
ANNAPOLIS, MARYLAND 21401
(301) 266-9180

DATE : February 7, 1990

SUBJECT: Inorganic Data Validation for the Ametek SI Inspection Site

FROM : Theresa A. Simpson TAS
Region III ESAT DPO (3ES23)

TO : Paul Racette
Regional Project Manager (3HW13)

THRU : Patricia J. Krantz, Chief TAS for
Quality Assurance Branch (3ES23)

Attached is the inorganic data review for the Ametek SI Inspection Site completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III ESD.

If you have any questions regarding this review, please call me.

Attachment

cc: Brad Smith DE DNRC

TID File: 03900117 Task 1206

RECEIVED
FEB 13 1990
STATE OF DELAWARE
DNREC SUPER FUND BRANCH

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBZ74MSD

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 13022 SAS No.: _____ SDG No.: CBZ70

Matrix: (soil/water) WATER Lab Sample ID: 297945

Sample wt/vol: 500 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 10/26/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3722

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037220

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	172	B		P
7440-36-0	Antimony	2.0	U		F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	33.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.4	B	N	P
7440-70-2	Calcium	23000			P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	3.2	B		P
7439-89-6	Iron	119			P
7439-92-1	Lead	1.0	U	W	F
7439-95-4	Magnesium	8500			P
7439-96-5	Manganese	45.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	6810			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	172			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Comments:

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DT3723

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037230

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	179	B		P
7440-36-0	Antimony	2.0	U	W	F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	49.8	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U	N	P
7440-70-2	Calcium	24000			P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	1510			P
7439-92-1	Lead	1.3	B	W	F
7439-95-4	Magnesium	7310			P
7439-96-5	Manganese	206			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8940			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	301			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DT3724

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037240

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	179	B		P
7440-36-0	Antimony	3.0	U	W	F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	35.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U	N	P
7440-70-2	Calcium	23000			P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	130			P
7439-92-1	Lead	1.0	U	W	F
7439-95-4	Magnesium	8590			P
7439-96-5	Manganese	45.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9470			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	163			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Comments:

ORIGINAL (Red)

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DT3725

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): WATER Lab Sample ID: 89037250

Level (low/med): Date Received: 10/25/89

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	163	B		P
7440-36-0	Antimony	2.0	U		F
7440-38-2	Arsenic	2.0	U	N	F
7440-39-3	Barium	34.7	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U	N	P
7440-70-2	Calcium	24100			P
7440-47-3	Chromium	9.0	U		P
7440-48-4	Cobalt	8.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	109			P
7439-92-1	Lead	1.0	U		F
7439-95-4	Magnesium	8510			P
7439-96-5	Manganese	45.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9840			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	191			P
	Cyanide	10.0	U		C

AS 1/31/90

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DT3726

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89036260

Level (low/med): Date Received: 10/25/89

% Solids: 67.5

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	0.59	U	NW	F
7440-38-2	Arsenic	0.91	B	N	F
7440-39-3	Barium	90.2			P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	2.5			P
7440-70-2	Calcium	1080	B	E	P
7440-47-3	Chromium	23.4			P
7440-48-4	Cobalt	7.8	B		P
7440-50-8	Copper	19.1			P
7439-89-6	Iron	14000			P
7439-92-1	Lead	15.8		*	F
7439-95-4	Magnesium	2950			P
7439-96-5	Manganese	149		E	P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	3.2	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	F
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	287	B	E	P
7440-28-0	Thallium	0.59	U	NW	F
7440-62-2	Vanadium	29.2			P
7440-66-6	Zinc	275			P
	Cyanide	0.74	U		C

Color Before: BROWN Clarity Before: OPAQUE Texture: FINE

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3727

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037270

Level (low/med): Date Received: 10/25/89

% Solids: 68.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7330			P
7440-36-0	Antimony	0.50	U	NW	F
7440-38-2	Arsenic	2.4	B	N	F
7440-39-3	Barium	73.4			P
7440-41-7	Beryllium	0.29	U	N	P
7440-43-9	Cadmium	2.5			P
7440-70-2	Calcium	1140	B	E	P
7440-47-3	Chromium	20.8			P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Cooper	18.6			P
7439-89-6	Iron	13600			P
7439-92-1	Lead	39.4		*	F
7439-95-4	Magnesium	3630			P
7439-96-5	Manganese	157		E	P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	6.0	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	F
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	384	B	E	P
7440-28-0	Thallium	0.59	U	NW	F
7440-62-2	Vanadium	26.2			P
7440-66-6	Zinc	367			F
	Cyanide	0.73	U		C

Color Before: BROWN Clarity Before: OPAQUE Texture: FINE

Comments:

U.S. EPA - CLP

ORIGINAL

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DT3728

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037280

Level (low/med): Date Received: 10/25/89

% Solids: 68.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4520			P
7440-36-0	Antimony	6.4	B	NW	F
7440-38-2	Arsenic	1.0	B	N	F
7440-39-3	Barium	62.8			P
7440-41-7	Beryllium	0.29	U	N	P
7440-43-9	Cadmium	1.6			P
7440-70-2	Calcium	3540		E	P
7440-47-3	Chromium	16.3			P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	18.3			P
7439-89-6	Iron	9080			P
7439-92-1	Lead	23.3		*	F
7439-95-4	Magnesium	3080			P
7439-96-5	Manganese	83.5		E	P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	3.2	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U	N	F
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	265	B	E	P
7440-28-0	Thallium	0.58	U	NW	F
7440-62-2	Vanadium	19.1			P
7440-66-6	Zinc	366			P
	Cyanide	0.73	U		C

AG 1/31/90

Color Before: BROWN Clarity Before: OPAQUE Texture: FINE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3729

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037290

Level (low/med): Date Received: 10/25/89

% Solids: 54.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	0.72	U	NW	F
7440-38-2	Arsenic	1.4	B	N	F
7440-39-3	Barium	111			P
7440-41-7	Beryllium	0.37	U	N	P
7440-43-9	Cadmium	4.0			P
7440-70-2	Calcium	1350	B	E	P
7440-47-3	Chromium	31.8			P
7440-48-4	Cobalt	8.5	B		P
7440-50-8	Copper	33.3			P
7439-89-6	Iron	17800			P
7439-92-1	Lead	57.0	*		F
7439-95-4	Magnesium	3650			P
7439-96-5	Manganese	216		E	P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	10.6	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.36	U	N	F
7440-22-4	Silver	0.72	U		P
7440-23-5	Sodium	360	B	E	P
7440-28-0	Thallium	0.72	U	NW	F
7440-62-2	Vanadium	39.7			P
7440-66-6	Zinc	579			P
	Cyanide	1.4			C

MG 1/31/90

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3730

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037300

Level (low/med): Date Received: 10/25/89

% Solids: 77.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18300			P
7440-36-0	Antimony	0.52	U	NW	F
7440-38-2	Arsenic	4.5		N	F
7440-39-3	Barium	153			P
7440-41-7	Beryllium	0.26	U	N	P
7440-43-9	Cadmium	3.0			P
7440-70-2	Calcium	1690		E	P
7440-47-3	Chromium	37.3			P
7440-48-4	Cobalt	11.0	B		P
7440-50-8	Copper	34.2			P
7439-89-6	Iron	19900			P
7439-92-1	Lead	52.0		*	F
7439-95-4	Magnesium	2260			P
7439-96-5	Manganese	623		E	P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	13.4			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	U	N	F
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	334	B	E	P
7440-28-0	Thallium	0.52	U	NW	F
7440-62-2	Vanadium	42.7			P
7440-66-6	Zinc	174			P
	Cyanide	0.64	U		C

[illegible] 1/21/90

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3731

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037310

Level (low/med): Date Received: 10/25/89

% Solids: 67.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17200			P
7440-36-0	Antimony	0.59	U	NW	F
7440-38-2	Arsenic	2.7	B	N	F
7440-39-3	Barium	171			P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	4.7			P
7440-70-2	Calcium	2930		E	P
7440-47-3	Chromium	47.6			P
7440-48-4	Cobalt	12.6	B		P
7440-50-8	Copper	34.4			P
7439-89-6	Iron	26300			P
7439-92-1	Lead	54.3		*	F
7439-95-4	Magnesium	5050			P
7439-96-5	Manganese	576		E	P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	18.4			P
7440-09-7	Potassium	[illegible]			NR
7782-49-2	Selenium	0.43	B	NW	F
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	418	B	E	P
7440-28-0	Thallium	0.59	U	NW	F
7440-62-2	Vanadium	50.3			P
7440-66-6	Zinc	863			P
	Cyanide	0.74	U		C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DT3732

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037320

Level (low/med): Date Received: 10/25/89

% Solids: 36.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11400			P
7440-36-0	Antimony	1.1	U	NW	F
7440-38-2	Arsenic	34.1		N	F
7440-39-3	Barium	201			P
7440-41-7	Beryllium	1.8	B	N	P
7440-43-9	Cadmium	11.8			P
7440-70-2	Calcium	2840		E	P
7440-47-3	Chromium	33.5			P
7440-48-4	Cobalt	9.9	B		P
7440-50-8	Copper	34.4			P
7439-89-6	Iron	83000			P
7439-92-1	Lead	161		S*	F
7439-95-4	Magnesium	2080	B		P
7439-96-5	Manganese	1140		E	P
7439-97-6	Mercury	0.27	U		CV
7440-02-0	Nickel	6.1	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	U	NW	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	840	B	E	P
7440-28-0	Thallium	1.1	U	NW	F
7440-62-2	Vanadium	43.6			P
7440-66-6	Zinc	363			P
	Cyanide	1.4	U		C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE N

DT3733

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT37

Matrix (soil/water): SOIL Lab Sample ID: 89037330

Level (low/med): Date Received: 10/25/89

% Solids: 64.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	0.61	U	NW	F
7440-38-2	Arsenic	3.9		N	F
7440-39-3	Barium	171			P
7440-41-7	Beryllium	0.31	U	N	P
7440-43-9	Cadmium	5.3			P
7440-70-2	Calcium	2340		E	P
7440-47-3	Chromium	54.3			P
7440-48-4	Cobalt	11.9	B		P
7440-50-8	Copper	198			P
7439-89-6	Iron	24800			P
7439-92-1	Lead	333			P
7439-95-4	Magnesium	4440			P
7439-96-5	Manganese	330		E	P
7439-97-6	Mercury	0.16			CV
7440-02-0	Nickel	25.5			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.31	U	NW	F
7440-22-4	Silver	0.61	U		P
7440-23-5	Sodium	337	B	E	P
7440-28-0	Thallium	0.61	U	NW	F
7440-62-2	Vanadium	56.1			P
7440-66-6	Zinc	3600			P
	Cyanide	0.78	U		C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDI

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

EPA SAMPLE NO.

DT3734

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037340

Level (low/med): Date Received: 10/25/89

% Solids: 68.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	0.33	U	NW	F
7440-38-2	Arsenic	2.1	B	N	F
7440-39-3	Barium	145			P
7440-41-7	Beryllium	0.29	U	N	P
7440-43-9	Cadmium	5.9			P
7440-70-2	Calcium	5110		E	P
7440-47-3	Chromium	43.8			P
7440-48-4	Cobalt	13.9	B		P
7440-50-8	Copper	101			P
7439-89-6	Iron	23400			P
7439-92-1	Lead	191			P
7439-95-4	Magnesium	4460			P
7439-96-5	Manganese	398		E	P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	44.2			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U	N	F
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	365	B	E	P
7440-28-0	Thallium	0.58	U	NW	F
7440-62-2	Vanadium	43.2			P
7440-66-6	Zinc	1462			P
	Cyanide	0.90			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDI

Clarity After: Artifacts:

Comments:

ORIGINAL (Red) (L)

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DT3735

Lab Name: DE DNREC:Div of Water Res Contract: DNREC:DAWM

Lab Code: DE023 Case No.: SAS No.: SDG No.: DT3719

Matrix (soil/water): SOIL Lab Sample ID: 89037350

Level (low/med): Date Received: 10/25/89

% Solids: 69.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9410			P
7440-36-0	Antimony	0.37	UNW		F
7440-38-2	Arsenic	2.4	BN		F
7440-39-3	Barium	136			P
7440-41-7	Beryllium	0.29	UN		P
7440-43-9	Cadmium	5.5			P
7440-70-2	Calcium	6120	E		P
7440-47-3	Chromium	43.9			P
7440-48-4	Cobalt	149			P
7440-50-8	Copper	120			P
7439-89-6	Iron	20200			P
7439-92-1	Lead	304			P
7439-95-4	Magnesium	4520			P
7439-96-5	Manganese	374	E		P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	50.3			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	UN		F
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	331	BE		P
7440-28-0	Thallium	0.57	UNW		F
7440-62-2	Vanadium	45.2			P
7440-66-6	Zinc	1710			P
	Cyanide	0.72	U		C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Comments: