Site Team Evaluation Prioritization

EPA Region 5 Records Ctr.
375350

L1970450022
Matheson Gas Products
ILD 148348287
SF/HRS

CERCLA

Analytical Results

Illinois Environmental Protection Agency

2200 Churchill Road
P. O. Box 19276
Springfield, IL 62794-9276

Printed on Recycled Paper

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SEP 11 1995

IEPA/DLPC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 09-08-95

SUBJECT: Review of Region V CLP Data
Received for Review on Sept 1, 1995

FROM: Dennis Wesolowski, Chief (SQC-14J) L. Finkelberg for
Contract Analytical Services Section 09-08-95
D. Wesolowski

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Matheson Gas Products (IL)

CASE NUMBER: 23950 (2) SDG NUMBER: MEADY7

Number and Type of Samples: 3 (water)

Sample Numbers: MEADY7-9

Laboratory: Chentech Hrs. for Review: 2.0 +0.2 T.M.

Following are our findings:

The blank contains contamination.
All data are usable with the qualification described in the attached review.

L. Finkelberg
09-08-95

cc: Regional TPO

NARRATIVE

SITE: MATHESON GAS PRODUCTS CASE: 23950
LABORATORY: CHEMTECH SDG: MEADY7

The laboratory's portion of case 23950 contains 3 low level water samples assayed for total metals and total cyanide. This is a CADRE review.

EVIDENTIAL AUDIT: All forms are originals. Most of the raw data sheets are originals, those photocopied state where the originals can be found. The original ICP raw data are with case 23957, SDG: MFFX62. The original Hg and CN raw data are with case 23937, SDG: MCKS60. The originals that are present are sample tags, chain of custody forms and Form DC-1. The Federal Express Airbill attached to the sample cooler was a photocopy and is present. All forms are present and in the order indicated on the Form DC-2 [inventory sheet].

CADRE REVIEW:

Laboratory Blanks Criteria

DC-284: The following inorganic samples are associated with a blank concentration which is greater than the instrument detection limit (IDL). The sample concentration is also greater than the IDL and less that five times the blank concentration.
Hits are qualified "H".

Silver
MEADY7, MEADY8, MEADY9

Reviewed by: James Redlin James Redlin
Lockheed ESAT
Date: 9/6/95

INORGANIC CADRE DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utinized in this document, the following code letters and associated definitions are provide:

U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J Indicates the associated value is an estimated quantity.

R Indicates the data are unusable. (Note: The analyte may or may not be present.)

UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

L Low bias

H High bias

TAL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: MEADY7

Site:
Laboratory: CHEMTECH CONSULTING GROUP, INC

EPA SAMPLE NUMBER:	MEADY7		MEADY8		MEADY9		MEADY9D		MEADY9S
REGIONAL SAMPLE NUMBER:	MEADY7		MEADY8		MEADY9				
SAMPLE LOCATION:	G101		G102		G103		G103		G103
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Duplicate Sample		Matrix Spike
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low		Water/Low		Water/Low
DILUTION FACTOR:									
PERCENT SOLID:									
INORG									
Aluminum	6.0	U	6.0	U	6.0	U	6.0	U	1990
Antimony	6.0	U	6.0	U	6.0	U	6.0	U	440
Arsenic	9.0	U	9.0	U	9.0	U	9.0	U	1680
Barium	51.7		47.5		43.1		43.2		1800
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	42.5
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	37.9
Calcium	112000		103000		124000		124000		
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	168
Cobalt	2.0	U	2.0	U	2.0	U	2.0	U	420
Copper	8.4		12.5		26.2		26.2		253
Iron	1990		1850		316		315		1270
Lead	2.0	U	2.0	U	2.0	U	2.0	U	426
Magnesium	59700		54200		63300		63300		
Manganese	43.8		40.3		26.2		26.1		437
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	1.1
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	423
Potassium	5490		4800		4850		4860		
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	2320
Silver	1.3	H	1.1	H	1.5	H	1.5		47.1
dium	55400		50800		50600		50800		
allium	7.0	U	7.0	U	7.0	U	7.0	U	1690
Vanadium	1.0	U	1.0	U	1.0	U	1.0	U	442
Zinc	117		151		60.0		59.8		498
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	504

FILE NAME: MEADY7 DATE: 09/06/95 TIME: 11:09 CADRE 2.2P

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEADY9S

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68D30037

Lab Code: CHEM Case No.: 23950 SAS No.: SDG No.: MEADY7

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1990.3000		6.0000	U	2000.00	99.5		P
Antimony	75-125	439.7400		6.0000	U	500.00	87.9		P
Arsenic	75-125	1680.1000		9.0000	U	2000.00	84.0		P
Barium	75-125	1803.6000		43.1300	B	2000.00	88.0		P
Beryllium	75-125	42.5100		1.0000	U	50.00	85.0		P
Cadmium	75-125	37.9300		1.0000	U	50.00	75.9		P
Calcium									NR
Chromium	75-125	167.5600		1.0000	U	200.00	83.8		P
Cobalt	75-125	420.4600		2.0000	U	500.00	84.1		P
Copper	75-125	252.8400		26.2000		250.00	90.7		P
Iron	75-125	1267.4000		316.4900		1000.00	95.1		P
Lead	75-125	426.2900		2.0000	U	500.00	85.3		P
Magnesium									NR
Manganese	75-125	436.9000		26.2100		500.00	82.1		P
Mercury	75-125	1.0700		0.2000	U	1.00	107.0		CV
Nickel	75-125	423.2600		2.0000	U	500.00	84.7		P
Potassium									NR
Selenium	75-125	2320.4000		5.0000	U	2000.00	116.0		P
Silver	75-125	47.0700		1.5000	B	50.00	91.1		P
Sodium									NR
Thallium	75-125	1692.8000		7.0000	U	2000.00	84.6		P
Vanadium	75-125	442.0100		1.0000	U	500.00	88.4		P
Zinc	75-125	497.5900		59.9700		500.00	87.5		P
Cyanide	75-125	504.0000		10.0000	U	500.00	100.8		CA

Comments:

U.S. EPA - CLP

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DUPLICATES

EPA SAMPLE NO.

MEADY9D

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68D30037

Lab Code: CHEM Case No.: 23950 SAS No.: SDG No.: MEADY7

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6.0000	U	6.0000	U			P
Antimony		6.0000	U	6.0000	U			P
Arsenic		9.0000	U	9.0000	U			P
Barium		43.1300	B	43.1500	B	0.0		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		1.0000	U	1.0000	U			P
Calcium		123770.0000		123570.0000		0.2		P
Chromium		1.0000	U	1.0000	U			P
Cobalt		2.0000	U	2.0000	U			P
Copper	25.0	26.2000		26.2300		0.1		P
Iron	100.0	316.4900		315.4600		0.3		P
Lead		2.0000	U	2.0000	U			P
Magnesium		63313.0000		63263.0000		0.1		P
Manganese	15.0	26.2100		26.0700		0.5		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		2.0000	U	2.0000	U			P
Potassium		4853.1000	B	4860.8000	B	0.2		P
Selenium		5.0000	U	5.0000	U			P
Silver		1.5000	B	1.5300	B	2.0		P
Sodium		50625.0000		50770.0000		0.3		P
Thallium		7.0000	U	7.0000	U			P
Vanadium		1.0000	U	1.0000	U			P
Zinc	20.0	59.9700		59.8000		0.3		P
Cyanide		10.0000	U	10.0000	U			CA

EPA United States Environmental Protection Agency
Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analysis)

SAS No. (If applicable):
Case No.: 23940

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (specify in Column D)
N. Not preserved

2. Region No.: I
Sampling Co.: EPA
4. Date Shipped: 8/23/95
Carrier: Fed Express
Sampler (Name): Mark Wolsuk
Airbill Number: 4811353358
Sampler Signature:
5. Ship To: Chemtech 110 Rt 4 Englewood NJ 07631
ATTN: Divya Mehta
3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI, ESI
Long-Term Action: FS, RD, RA, O&M, NPLD
6. Date Received – Received by: 8/24/95 R. Morrow
Contract Number:
Date Received:
Company Number:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1)	B Conc.: Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 2)	E – RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K High Waste
MEADY 7	2	L	G			X						5-003160	G101	8/23/95	IAPL5		
MEADY 4	2	L	G				X					5-003161	G101	8/23/95	"		
MEADY 8	2	L	G			X						5-003162	G102	8/23/95	EAPM6		
MEADY 8	2	L	G				X					5-003164	G102	8/23/95	"		
MEADY 9	2	L	G			X						5-003165	G103	8/23/95	EAAZ8		
MEADY 9	2	L	G			X						5-003166	G103	8/23/95	"		
MEADY 9	2	L	G			X						5-003167	G103	8/23/95	"		
MEADY 9	2	L	G				X					5-003168	G103	8/23/95	"		
MEADY 9	2	L	G				X					5-003169	G103	8/23/95	"		
MEADY 9	2	L	G				X					5-003170	G103	8/23/95	"		

Shipment for Case Complete? (Y/N): Y
Page 1 of ___
Sample(s) to be Used for Laboratory QC: MEADY 9
Additional Sampler Signatures: Vishwa Mehta
Chain of Custody Seal Number(s): 411867 – 411868

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	8/24/95				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		B. Morrow	8/24/95 0940		

DISTRIBUTION: Green - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

000124

362289

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: (2) CERCLIS No: ILD148348287

Case No: 23950 Site Name Location: Matheson Gas Produ

Contractor or EPA Lab: Chemtech Data User: IEPA

No. of Samples: 3 Date Sampled or Data Received: 9-1-95

Have Chain-of-Custody records been received? Yes ✓ No ___
Have traffic reports or packing lists been received? Yes ✓ No ___
If no, are traffic report or packing list numbers written on the chain-of-custody record? Yes ✓ No ___
If no, which traffic report or packing list numbers are missing?

___ ___ ___ ___

___ ___ ___ ___

Are basic data forms in? Yes ✓ No ___
No of samples claimed: 3 No. of samples received: 3

Received by: Lynette Burnett Date: 9-1-95

Received by LSSS: Allison C Harvey Date: 9-5-95

Review started: 9/6/95 Reviewer Signature: J. Rodlin

Total time spent on review: 2.0 + 0.2 T.M. Date review completed: 9/6/95

Copied by: ___ Date: ___

Mailed to user by: ___ Date: ___

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: ___ Date: ___

Data review received by: ___ Date: ___

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if

PROBLEMS: Please indicate reasons why data are not suitable for o
uses.

___

___

Received by Data Mgmt. Coordinator for Files. Data: ___

RECEIVED

SEP 11 1995

IEPA/DLPC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 09-07-95

SUBJECT: Review of Region V CLP Data
Received for Review on Sept 1, 1995

FROM: Dennis Wesolowski, Chief (SQC-14J) L. Finkelberg for D. Wesolowski
Contract Analytical Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Matheson Gas Products (IL)

CASE NUMBER: 23950 (1) SDG NUMBER: MEAEL2

Number and Type of Samples: 10 (soil)

Sample Numbers: MEAEL2, 5-9, MEAEMQ, MEAET7-9

Laboratory: Chemtech Hrs. for Review: 4.0 +0.4 T.M.

Following are our findings:

The serial dilution percent difference for Cu is out of control.

All data are usable with the qualification described in the attached cadre review.

L. Finkelberg
09-07-95

cc: Regional TPO

NARRATIVE

SITE: MATHESON GAS PRODUCTS CASE: 23950
LABORATORY: CHEMTECH SDG: MEAEL2

The laboratory's portion of case 23950 contains 10 low level soil samples assayed for total metals and total cyanide. This is a CADRE review.

EVIDENTIAL AUDIT: All forms are originals. Most of the raw data sheets are originals, those photocopied state where the originals can be found. The original ICP and Hg raw data are with case 23957, SDG: MFFX62. The originals that are present are sample tags, chain of custody forms and Form DC-1. The original Federal Express airbill is with case 23950, SDG: MEADY7. All forms are present and in the order indicated on the Form DC-2 [inventory sheet].

CADRE REVIEW:

Serial Dilution Criteria

DC-294: The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria.
All data are qualified "J".

Copper
MEAEL2, MEAEL5, MEAEL6, MEAEL7, MEAEL8, MEAEL9, MEAEM0, MEAET7, MEAET8, MEAET9

Reviewed by: James Redlin
James Redlin
Lockheed ESAT
Date: 9/6/95

INORGANIC CADRE DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utinized in this document, the following code letters and associated definitions are provide:

U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J Indicates the associated value is an estimated quantity.

R Indicates the data are unusable. (Note: The analyte may or may not be present.)

UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

L Low bias

H High bias

TAL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: MEAEL2

Site:
Laboratory: CHEMTECH CONSULTING GROUP, INC

EPA SAMPLE NUMBER:	MEAEL2		MEAEL5		MEAEL6		MEAEL7		MEAEL8	
REGIONAL SAMPLE NUMBER:	MEAEL2		MEAEL5		MEAEL6		MEAEL7		MEAEL8	
SAMPLE LOCATION:	X205		X202		X203		X204		X104	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:										
PERCENT SOLID:	62.6		67.1		48.0		68.5		70.8	
INORG										
Aluminum	6810		12000		18800		4030		13000	
Antimony	1.9	U	1.8	U	3.4		1.8	U	1.7	U
Arsenic	5.1		4.7		7.8		3.4		7.6	
Barium	57.0		93.7		181		30.6		102	
Beryllium	0.32	U	0.45		0.42	U	0.29	U	0.49	
Cadmium	0.32	U	0.30	U	14.6		0.29	U	0.28	U
Calcium	35800		16300		26200		17600		23200	
Chromium	20.8		16.8		473		6.0		18.0	
Cobalt	6.1		5.8		23.5		3.4		8.3	
Copper	19.0	J	20.5	J	252	J	10.2	J	28.0	J
Iron	16600		19500		27200		10000		24400	
Lead	20.6		19.4		1410		19.7		27.9	
Magnesium	16800		10500		15600		10300		11300	
Manganese	322		220		200		186		553	
Mercury	0.16	U	0.15	U	0.43		0.15	U	0.14	U
Nickel	50.3		19.0		55.8		9.6		22.3	
Potassium	969		1300		1990		624		1590	
Selenium	1.6	U	1.5	U	2.1	U	1.5	U	1.4	U
Silver	0.47		0.36		0.84		0.46		0.59	
dium	56.6		25.5		303		2.6	U	40.0	
.nallium	2.2	U	2.1	U	2.9	U	2.0	U	2.0	U
Vanadium	14.8		21.5		21.7		9.0		23.7	
Zinc	99.0		88.4		694		48.0		111	
Cyanide	0.80	U	0.74	U	1.0	U	0.73	U	0.71	U

FILE NAME: MEAEL2 DATE: 09/05/95 TIME: 14:51 CADRE 2.2P

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

TAL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: MEAEL2

Site:
Laboratory: CHEMTECH CONSULTING GROUP, INC

EPA SAMPLE NUMBER:	MEAEL9		MEAEM0		MEAET7		MEAET7D		MEAET7S
REGIONAL SAMPLE NUMBER:	MEAEL9		MEAEM0		MEAET7				
SAMPLE LOCATION:	X105		X201		X101		X101		X101
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Duplicate Sample		Matrix Spike
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low
DILUTION FACTOR:									
PERCENT SOLID:	68.6		58.0		81.2		81.0		100.0
INORG									
Aluminum	14700		8360		7270		7250		
Antimony	1.8	U	2.1	U	1.5	U	1.5	U	106
Arsenic	9.2		9.0		8.8		8.9		384
Barium	93.2		77.5		78.0		77.8		506
Beryllium	0.56		0.34	U	0.65		0.66		10.7
Cadmium	0.59		0.34	U	0.78		0.78		10.4
Calcium	21400		41700		60200		60200		
Chromium	19.2		13.0		11.2		11.1		52.4
Cobalt	9.2		7.0		4.6		4.6		110
Copper	31.6	J	22.9	J	25.1	J	25.0		80.1
Iron	28200		21200		18500		18500		
Lead	32.0		25.2		90.9		90.7		191
Magnesium	13800		18400		36000		35900		
Manganese	453		640		633		632		716
Mercury	0.15	U	0.17	U	0.12	U	0.12	U	0.67
Nickel	24.6		18.3		13.8		13.8		115
Potassium	1890		1140		1930		1920		
Selenium	1.5	U	1.7	U	1.2	U	1.2	U	465
Silver	0.48		0.47		0.40		0.37		11.6
Sodium	149		47.0		70.0		67.5		
Thallium	2.0	U	2.4	U	1.7	U	1.7	U	380
Vanadium	25.0		17.7		18.5		18.5		126
Zinc	114		93.6		169		170		266
Cyanide	0.73	U	0.86	U	0.62	U	0.62	U	31.8

FILE NAME: MEAEL2 DATE: 09/05/95 TIME: 14:51 CADRE 2.2P

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

TAL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: MEAEL2

Site:
Laboratory: CHEMTECH CONSULTING GROUP, INC

EPA SAMPLE NUMBER:	MEAET8		MEAET9				
REGIONAL SAMPLE NUMBER:	MEAET8		MEAET9				
SAMPLE LOCATION:	X102		~~MMB5~~ X103				
SAMPLE TYPE:	Routine Sample		Routine Sample				
MATRIX/ANALYSIS:	Soil/Low		Soil/Low				
DILUTION FACTOR:							
PERCENT SOLID:	77.4		70.7				
INORG							
Aluminum	6490		13300				
Antimony	1.6	U	1.7	U			
Arsenic	7.4		7.2				
Barium	49.4		108				
Beryllium	0.26	U	0.52				
Cadmium	0.26	U	0.28	U			
Calcium	42600		24200				
Chromium	10.6		18.1				
Cobalt	5.8		8.7				
Copper	24.9	J	30.5	J			
Iron	17200		25400				
Lead	61.6		29.2				
Magnesium	25800		12200				
Manganese	328		594				
Mercury	0.13	U	0.14	U			
Nickel	16.5		24.7				
Potassium	1250		1660				
Selenium	1.3	U	1.4	U			
Silver	0.45		0.54				
Sodium	44.0		48.8				
Thallium	1.8	U	2.0	U			
Vanadium	14.8		23.9				
Zinc	96.1		122				
Cyanide	0.65	U	0.71	U			

FILE NAME: MEAEL2 DATE: 09/05/95 TIME: 14:51 CADRE 2.2P

Wa

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEAET7S

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68D30037

Lab Code: CHEM Case No.: 23950 SAS No.: SDG No.: MEAEL2

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 81.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	105.6305		1.4778	U	123.15	85.8		P
Arsenic	75-125	383.5714		8.8522		492.61	76.1		P
Barium	75-125	506.1576		78.0197		492.61	86.9		P
Beryllium	75-125	10.6946		0.6502	B	12.32	81.5		P
Cadmium	75-125	10.4286		0.7783	B	12.32	78.3		P
Calcium									NR
Chromium	75-125	52.4483		11.1872		49.26	83.8		P
Cobalt	75-125	109.6158		4.6379	B	123.15	85.2		P
Copper	75-125	80.0616		25.1182		61.58	89.2		P
Iron									NR
Lead	75-125	190.6724		90.9187		123.15	81.0		P
Magnesium									NR
Manganese		716.1576		632.9557		123.15	67.6		P
Mercury	75-125	0.6712		0.1232	U	0.62	108.3		CV
Nickel	75-125	115.3522		13.8399		123.15	82.4		P
Potassium									NR
Selenium	75-125	465.4187		1.2315	U	492.61	94.5		P
Silver	75-125	11.6059		0.3966	B	12.32	91.0		P
Sodium									NR
Thallium	75-125	380.4187		1.7241	U	492.61	77.2		P
Vanadium	75-125	126.3990		18.4606		123.15	87.6		P
Zinc	75-125	266.0099		169.4335		123.15	78.4		P
Cyanide	75-125	31.7734		0.6158	U	30.79	103.2		CA

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

MEAET7D

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68D30037

Lab Code: CHEM Case No.: 23950 SAS No.: SDG No.: MEAEL2

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 81.2 % Solids for Duplicate: 81.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7273.1527		7247.0443		0.4		P
Antimony		1.4778	U	1.4778	U			P
Arsenic	2.5	8.8522		8.9360		0.9		P
Barium	49.3	78.0197		77.8448		0.2		P
Beryllium		0.6502	B	0.6601	B	1.5		P
Cadmium		0.7783	B	0.7783	B	0.0		P
Calcium		60152.7094		60209.3596		0.1		P
Chromium	2.5	11.1872		11.1281		0.5		P
Cobalt		4.6379	B	4.6379	B	0.0		P
Copper	6.2	25.1182		25.0025		0.5		P
Iron		18528.8177		18532.2660		0.0		P
Lead		90.9187		90.7340		0.2		P
Magnesium		35985.2217		35881.7734		0.3		P
Manganese		632.9557		631.8227		0.2		P
Mercury		0.1232	U	0.1232	U			CV
Nickel	9.9	13.8399		13.8547		0.1		P
Potassium	1231.5	1930.7389		1918.2020		0.7		P
Selenium		1.2315	U	1.2315	U			P
Silver		0.3966	B	0.3744	B	5.8		P
Sodium		69.9581	B	67.5345	B	3.5		P
Thallium		1.7241	U	1.7241	U			P
Vanadium	12.3	18.4606		18.5369		0.4		P
Zinc		169.4335		170.3571		0.5		P
Cyanide		0.6158	U	0.6158	U			CA

FILE NAME: MEAEL2 DATE: 09/05/95 TIME: 14:51

CRITERIA FILE: FGDRI93

DATA

	Original	X	Qualified

QUALIFICATIONS PERFORMED

	Quantitation Limit	X	CRDL Standards
	Percent Moisture	X	ICS
X	Holding Time	X	LCS
X	Calibrations	X	Duplicates
X	Matrix Spikes	X	Furnace AA QC
	IPC	X	ICP Serial Dilutions
	Internal Standards	X	Sample Results Verification
	SMC/Surrogates	X	Laboratory Blanks
	System Performance		Field QC
	Sample Cleanup		

PRINT NON-DETECTS

X	Yes		No

PRINT REJECTED RESULTS

X	Yes		No

EPA United States Environmental Protection Agency Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No: 5910

1. Matrix (Enter in Column A): Surface Water, Ground Water, Leachate, QC, Sediment, High Conc., Other (specify in Column A)

2. Preservative (Enter in Column B): 1. HCl, 2. HNO3, 3. NaOH, 4. H2SO4, 5. K2CR2O7, 6. Ice only, 7. Other (specify in Column D), N. Not preserved

2. Region No.: I

Sampling Co.: IEPA

4. Date Shipped: 8/23/95

Carrier: Federal Express

6. Date Received -- Received by: 8/24/95 B moronti

Sampler (Name): Mark Hesek

Airbill Number: 4413433212

Laboratory Contract Number: D3-0037

Unit Price:

Sampler Signature:

5. Ship To: Chemtech Consulting Group, 110 Fieldcrest Ave, Edison, NJ 07631, ATTN: Divya Mehta

7. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

3. Purpose: Leg: SI, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other:	E RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
MEAEL6	5	L	G	6		X	X					5-009307	X11 1	8/22/95-1400	LAPL 1	MH			
MEAEL8	5	L	G	6		X	X					5-009308	X11 2	8/22/95-1400	LAPL 2	MH			
MEAEL4	5	L	G	6		X	X					5-009309	X11 3	8/22/95-1515	LAPL 1	MH			
MEAEL8	5	L	G	6		X	X					5-009310	X11 4	8/22/95-1515	LAPL 2	MH			
MEAEL0	5	L	G	6		X	X					5-009311	X11 5	8/22/95-1530	LAPL 3	MH			
MEAEM0	5	L	G	6		X	X					5-009312	X21 1	8/22/95-1430	LAPL 4	MH			
MEAEL5	5	L	G	6		X	X					5-009526	X21 2	8/22/95-1300	LAPL 5	MH			
MEAEL6	5	L	G	6		X	X					5-009527	X21 3	8/22/95-1300	LAPL 6	MH			
MEAEL7	5	L	G	6		X	X					5-009528	X21 4	8/22/95-1300	LAPL 7	MH			
MEAEL2	5	L	G	6		X	X					5-009529	X21 5	8/22/95-1300	LAPL 8	MH			

Shipment for Case Complete? (Y/N): Y

Page: 1

Sample(s) to be Used for Laboratory QC:

Additional Sampler Signatures: Ronald Wilhelm

Chain of Custody Seal Number(s): 415 112/415113

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Hesek	8/23/95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		B. Moronti	8/24/95 0900		

A21-012-6 REV. 2/93

DISTRIBUTION: Green - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

000133

362-29

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: (1) CERCLIS No: ILD148348287

Case No: 23950 Site Name Location: Matheson Gas Product

Contractor or EPA Lab: Chemtech Data User: IEPA

No. of Samples: 10 Date Sampled or Data Received: _____

Have Chain-of-Custody records been received? Yes ✓ No ___
Have traffic reports or packing lists been received? Yes ✓ No ___
If no, are traffic report or packing list numbers written on the chain-of-custody record? Yes ✓ No ___
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____

_____ _____ _____ _____

Are basic data forms in? Yes ✓ No ___
No of samples claimed: 10 No. of samples received: 10

Received by: Lynette Burnett Date: 9-1-95

Received by LSSS: Allison C Harvey Date: 9-5-95

Review started: 9/5/95 Reviewer Signature: J. Rodl

Total time spent on review: 4.0 +0.4 T.M. Date review completed: 9/6/95

Copied by: _____ Date: _____

Mailed to user by: _____ Date: _____

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OI
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OI
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OI
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OI

PROBLEMS: Please indicate reasons why data are not suitable for you uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Data: _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 9/15/95

SUBJECT: **Review of Region V CLP Data Received for Review on** Sept 7, 1995

FROM: **Dennis Wesolowski, Chief (SQC-14J)** Patrick J. Chunille for D. Wesolowski
Contract Analytical Services Section

TO: **Data User:** IEPA

We have reviewed the data for the following case:

SITE NAME: Matheson Gas Products (IL)

CASE NUMBER: 23950 **SDG NUMBER:** EAAZ8

Number and Type of Samples: 5 (Water)

Sample Numbers: EAAZ8-9 EABF0 EAPL9 EAPM0

Laboratory: Compuchem **Hrs. for Review:** 8.5
1.0
9.5 NSW

Following are our findings:

THE DATA ARE ACCEPTABLE WITH THE QUALIFICATIONS DESCRIBED IN THE ATTACHED REVIEW. - Patrick J. Chunille 9/15/95

RECEIVED
SEP 20 1995
IEPA/DLPC

cc: Regional TPO

NARRATIVE

LABORATORY: COMPUCHEM CASE:23950
SITE: MATHESON GAS PRODUCTS (IL) SDG:EAAZ8

Five (5) water samples were received by Compuchem Laboratory on August 24, 1995 in good condition. The samples were collected August 23, 1995. All samples were analyzed for the full list of organic analytes per CLP SOW OLM03.1.

Sample EAAZ8 was designated as the low level water spike sample. None of the samples were identified as field duplicates, field blanks, nor trip blanks.

VOA water samples were analyzed within the seven (14) day holding time for preserved waters; therefore, the results are acceptable.

All water SVOA and pesticide extractions were completed within the seven (7) days holding time. All SVOA and pesticide extracts were analyzed within 40 days; therefore, the results are acceptable.

The reviewer's narrative and data qualifiers from CADRE 2.2 are noted in the following pages.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM CASE:23950
SITE: MATHESON GAS PRODUCTS (IL) SDG:EAAZ8

Below is a summary of the out-of-control audits and the possible effect on the data for this case.

1. HOLDING TIME.

No problems found for this qualification.

2. GC/MS TUNING AND GC PERFORMANCE.

No problems found for this qualification.

3. CALIBRATION.

DC-23: The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Acetone
EAAZ8, EAAZ8MS, EAAZ8MSD, EAAZ9, EABF0, EAPL9
EAPM0, VBLKMF, VHBLK40

2-Butanone
EAAZ8, EAAZ8MS, EAAZ8MSD, EAAZ9, EABF0, EAPL9
EAPM0, VBLKMF, VHBLK40

DC-98: The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "VS".

The "VS" flags were removed by the data reviewer and replaced with "J" as final flags.

2,4-Dinitrophenol
EAAZ8MS, EAAZ8MSD, SBLK53

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM CASE:23950
SITE: MATHESON GAS PRODUCTS (IL) SDG:EAAZ8

DC-100: The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,4-Dinitrophenol
EAAZ8, EAAZ9, EAPL9, EAPM0, SBLK36

Pentachlorophenol
EAAZ8, EAAZ9, EAPL9, EAPM0, SBLK36

Di-n-butylphthalate
EAAZ8MS, EAAZ8MSD, SBLK53

Pyrene
EAAZ8MS, EAAZ8MSD, SBLK53

Butylbenzylphthalate
EAAZ8MS, EAAZ8MSD, SBLK53

bis(2-Ethylhexyl)phthalate
EAAZ8MS, EAAZ8MSD, EAAZ9, SBLK36, SBLK53

Di-n-octylphthalate
EAAZ8MS, EAAZ8MSD, EAAZ9, SBLK36, SBLK53

Indeno(1,2,3-cd)pyrene
EAAZ9, SBLK36

Dibenz(a,h)anthracene
EAAZ8, EAAZ9, EAPL9, EAPM0, SBLK36

Benzo(g,h,i)perylene
EAAZ8, EAAZ9, EAPL9, EAPM0, SBLK36

6. **MATRIX SPIKE/MATRIX SPIKE DUPLICATE.**

No problems found for this qualification.

7. **INTERNAL STANDARDS.**

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE:23950
SDG:EAAZ8

No problems found for this qualification.

8. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS.

DC-45 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EAAZ8
Methylene Chloride

EAAZ8MS
Methylene Chloride

EAAZ8MSD
Methylene Chloride

EAAZ9
Methylene Chloride

EABF0
Methylene Chloride

VBLKMF
Methylene Chloride

VHBLK40
Methylene Chloride

DC-110: The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EAAZ8
Diethylphthalate, Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate

EAAZ8MS
bis(2-Ethylhexyl)phthalate

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE:23950
SDG:EAAZ8

EAAZ8MSD
bis(2-Ethylhexyl)phthalate

EAAZ9
bis(2-Ethylhexyl)phthalate

EAPL9
Di-n-butylphthalate

EAPM0
bis(2-Ethylhexyl)phthalate

SBLK36
bis(2-Ethylhexyl)phthalate

DC-158: The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EAAZ8MS
Endrin ketone, Endrin aldehyde, gamma-Chlordane

EAAZ8MSD
Endrin ketone, Endrin aldehyde, gamma-Chlordane

9. SYSTEM PERFORMANCE.

No problems found for this qualification.

12. ADDITIONAL INFORMATION.

None.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAAZ8		EAAZ8MS		EAAZ8MSD		EAAZ9		EABF0	
REGIONAL SAMPLE NUMBER:	G103						G104		G105	
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low		Water/Low		Water/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:										
VOA										
Chloromethane	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	1	J	1	J	2	J	7	J	2	J
Acetone	10	UJ	10	UJ	10	UJ	21	J	10	UJ
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	40		39		10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethene (total)	10	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U
Butanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	44		42		10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	42		41		10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U
Toluene	10	U	46		43		10	U	10	U
Chlorobenzene	10	U	46		44		10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U
Xylene (total)	10	U	10	U	10	U	10	U	10	U

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 1

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAPL9		EAPM0		VBLKMF		VHBLK40	
REGIONAL SAMPLE NUMBER:	G101		G102					
SAMPLE LOCATION:								
SAMPLE TYPE:	Routine Sample		Routine Sample		Method Blank		Storage Blank	
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low		Water/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0	
PERCENT MOISTURE:								
VOA								
Chloromethane	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U
Methylene Chloride	10	U	10	U	2	J	2	J
Acetone	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Disulfide	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U
1,2-Dichloroethene (total)	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U
Xylene (total)	10	U	10	U	10	U	10	U

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 2

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

B

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAAZ8		EAAZ8MS		EAAZ8MSD		EAAZ9		EAPL9	
REGIONAL SAMPLE NUMBER:	G103						G104		G101	
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low		Water/Low		Water/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:										
BNA										
Phenol	10	U	47		46		10	U	10	U
bis(2-Chloroethyl) ether	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol	10	U	50		48		10	U	10	U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	30		28		10	U	10	U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
2-Methylphenol	10	U	10	U	10	U	10	U	10	U
2,2'-oxybis(1-Chloropropane	10	U	10	U	10	U	10	U	10	U
4-Methylphenol	10	U	10	U	10	U	10	U	10	U
N-Nitroso-di-n-propylamine	10	U	37		37		10	U	10	U
Hexachloroethane	10	U	10	U	10	U	10	U	10	U
Nitrobenzene	10	U	10	U	10	U	10	U	10	U
Isophorone	10	U	10	U	10	U	10	U	10	U
-Nitrophenol	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroethoxy) methane	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	U	32		32		10	U	10	U
Naphthalene	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadiene	10	U	10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol	10	U	65		58		10	U	10	U
2-Methylnaphthalene	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene	10	U	10	U	10	U	10	U	10	U
2,4,6-Trichlorophenol	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	25	U	25	U	25	U	25	U	25	U
2-Chloronaphthalene	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	25	U	25	U	25	U	25	U	25	U
Dimethylphthalate	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	25	U	25	U	25	U	25	U	25	U
Acenaphthene	10	U	38		37		10	U	10	U
2,4-Dinitrophenol	25	UJ	25	UJ	25	UJ	25	UJ	25	UJ

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 3

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAAZ8		EAAZ8MS		EAAZ8MSD		EAAZ9		EAPL9	
REGIONAL SAMPLE NUMBER:	G103						G104		G101	
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low		Water/Low		Water/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:										
BNA										
4 Nitrophenol	25	U	52		47		25	U	25	U
Dibenzofuran	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	43		41		10	U	10	U
Diethylphthalate	1	J	10	U	10	U	10	U	10	U
4 Chlorophenyl-phenyl ether	10	U	10	U	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U	10	U	10	U
4 Nitroaniline	25	U	25	U	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol	25	U	25	U	25	U	25	U	25	U
N nitrosodiphenylamine	10	U	10	U	10	U	10	U	10	U
4 Bromophenyl-phenylether	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	25	UJ	52		46		25	UJ	25	UJ
Phenanthrene	10	U	10	U	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U	10	U	10	U
Carbazole	10	U	10	U	10	U	10	U	10	U
Di-n-butylphthalate	1	J	10	UJ	10	UJ	10	U	1	J
Fluoranthene	10	U	10	U	10	U	10	U	10	U
Pyrene	10	U	38	J	38	J	10	U	10	U
Butylbenzylphthalate	10	U	10	UJ	10	UJ	10	U	10	U
3,3'-Dichlorobenzidine	10	U	10	U	10	U	10	U	10	U
Benzo(a)anthracene	10	U	10	U	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	5	U	4	J	1	J	5	U	38	
Di-n-octylphthalate	10	U	10	UJ	10	UJ	10	UJ	10	U
Benzo(b)fluoranthene	10	U	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U	10	U	10	U	10	U
Benzo(a)pyrene	10	U	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	U	10	UJ	10	U
Dibenz(a,h)anthracene	10	UJ	10	U	10	U	10	UJ	10	UJ
Benzo(g,h,i)perylene	10	UJ	10	U	10	U	10	UJ	10	UJ

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 3

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAPM0		SBLK36		SBLK53					
REGIONAL SAMPLE NUMBER:	G102									
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Method Blank		Method Blank					
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low					
DILUTION FACTOR:	1.0		1.0		1.0					
PERCENT MOISTURE:										
BNA										
Phenol	10	U	10	U	10	U				
bis(2-Chloroethyl) ether	10	U	10	U	10	U				
2-Chlorophenol	10	U	10	U	10	U				
1,3-Dichlorobenzene	10	U	10	U	10	U				
1,4-Dichlorobenzene	10	U	10	U	10	U				
1,2-Dichlorobenzene	10	U	10	U	10	U				
2-Methylphenol	10	U	10	U	10	U				
2,2'-oxybis(1-Chloropropane	10	U	10	U	10	U				
4-Methylphenol	10	U	10	U	10	U				
N-Nitroso-di-n-propylamine	10	U	10	U	10	U				
Hexachloroethane	10	U	10	U	10	U				
Nitrobenzene	10	U	10	U	10	U				
Isophorone	10	U	10	U	10	U				
Nitrophenol	10	U	10	U	10	U				
,4-Dimethylphenol	10	U	10	U	10	U				
bis(2-Chloroethoxy) methane	10	U	10	U	10	U				
2,4-Dichlorophenol	10	U	10	U	10	U				
1,2,4-Trichlorobenzene	10	U	10	U	10	U				
Naphthalene	10	U	10	U	10	U				
4-Chloroaniline	10	U	10	U	10	U				
Hexachlorobutadiene	10	U	10	U	10	U				
4-Chloro-3-methylphenol	10	U	10	U	10	U				
2-Methylnaphthalene	10	U	10	U	10	U				
Hexachlorocyclopentadiene	10	U	10	U	10	U				
2,4,6-Trichlorophenol	10	U	10	U	10	U				
2,4,5-Trichlorophenol	25	U	25	U	25	U				
2-Chloronaphthalene	10	U	10	U	10	U				
2-Nitroaniline	25	U	25	U	25	U				
Dimethylphthalate	10	U	10	U	10	U				
Acenaphthylene	10	U	10	U	10	U				
2,6-Dinitrotoluene	10	U	10	U	10	U				
3-Nitroaniline	25	U	25	U	25	U				
Acenaphthene	10	U	10	U	10	U				
2,4-Dinitrophenol	25	UJ	25	UJ	25	UJ				

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 4

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAPM0		SBLK36		SBLK53					
REGIONAL SAMPLE NUMBER:	G102									
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Method Blank		Method Blank					
MATRIX/ANALYSIS:	Water/Low		Water/Low		Water/Low					
DILUTION FACTOR:	1.0		1.0		1.0					
PERCENT MOISTURE:										
BNA										
4-Nitrophenol	25	U	25	U	25	U				
Dibenzofuran	10	U	10	U	10	U				
2,6-Dinitrotoluene	10	U	10	U	10	U				
Diethylphthalate	10	U	10	U	10	U				
4-Chlorophenyl-phenyl ether	10	U	10	U	10	U				
Fluorene	10	U	10	U	10	U				
4-Nitroaniline	25	U	25	U	25	U				
4,6-Dinitro-2-methylphenol	25	U	25	U	25	U				
N-nitrosodiphenylamine	10	U	10	U	10	U				
4-Bromophenyl-phenylether	10	U	10	U	10	U				
Hexachlorobenzene	10	U	10	U	10	U				
Pentachlorophenol	25	UJ	25	UJ	25	U				
Phenanthrene	10	U	10	U	10	U				
Anthracene	10	U	10	U	10	U				
Carbazole	10	U	10	U	10	U				
Di-n-butylphthalate	10	U	10	U	10	UJ				
Fluoranthene	10	U	10	U	10	U				
Pyrene	10	U	10	U	10	UJ				
Butylbenzylphthalate	10	U	10	U	10	UJ				
3,3'-Dichlorobenzidine	10	U	10	U	10	U				
Benzo(a)anthracene	10	U	10	U	10	U				
Chrysene	10	U	10	U	10	U				
bis(2-Ethylhexyl)phthalate	6	U	2	J	10	UJ				
Di-n-octylphthalate	10	U	10	UJ	10	UJ				
Benzo(b)fluoranthene	10	U	10	U	10	U				
Benzo(k)fluoranthene	10	U	10	U	10	U				
Benzo(a)pyrene	10	U	10	U	10	U				
Indeno(1,2,3-cd)pyrene	10	U	10	UJ	10	U				
Dibenz(a,h)anthracene	10	UJ	10	UJ	10	U				
Benzo(g,h,i)perylene	10	UJ	10	UJ	10	U				

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 4

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAAZ8		EAAZ8MS		EAAZ8MSD		EAAZ9		EAPL9	
REGIONAL SAMPLE NUMBER:	G103						G104		G101	
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Water/		Water/		Water/		Water/		Water/	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:										
PES										
alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
beta-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
delta-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
gamma-BHC (Lindane)	0.05	U	0.45		0.41		0.05	U	0.05	U
Heptachlor	0.05	U	0.40		0.37		0.05	U	0.05	U
Aldrin	0.05	U	0.39		0.36		0.05	U	0.05	U
Heptachlor epoxide	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	0.10	U	0.89		0.83		0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	0.10	U	0.94		0.87		0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
dosulfan sulfate	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.92		0.86		0.10	U	0.10	U
Methoxychlor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone	0.10	U	0.04	J	0.03	J	0.10	U	0.10	U
Endrin aldehyde	0.10	U	0.03	J	0.03	J	0.10	U	0.10	U
alpha-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
gamma-Chlordane	0.05	U	0.00	J	0.00	J	0.05	U	0.05	U
Toxaphene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Aroclor-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1221	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Aroclor-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1254	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1260	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 5

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

NARRATIVE

LABORATORY: COMPUCHEM
SITE: MATHESON GAS PRODUCTS (IL)

CASE: 23950
SDG: EAAZ8

TCL QUALIFIED SPREADSHEET

Case No: 23950
SDG No: EAAZ8

Site:
Laboratory: COMPUCHEM LABORATORIES, I

EPA SAMPLE NUMBER:	EAPM0		PBLK01		PBLK62					
REGIONAL SAMPLE NUMBER:	G102									
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Method Blank		Method Blank					
MATRIX/ANALYSIS:	Water/		Water/		Water/					
DILUTION FACTOR:	1.0		1.0		1.0					
PERCENT MOISTURE:										
PES										
alpha-BHC	0.05	U	0.05	U	0.05	U				
beta-BHC	0.05	U	0.05	U	0.05	U				
delta-BHC	0.05	U	0.05	U	0.05	U				
gamma-BHC (Lindane)	0.05	U	0.05	U	0.05	U				
Heptachlor	0.05	U	0.05	U	0.05	U				
Aldrin	0.05	U	0.05	U	0.05	U				
Heptachlor epoxide	0.05	U	0.05	U	0.05	U				
Endosulfan I	0.05	U	0.05	U	0.05	U				
Dieldrin	0.10	U	0.10	U	0.10	U				
4,4'-DDE	0.10	U	0.10	U	0.10	U				
Endrin	0.10	U	0.10	U	0.10	U				
Endosulfan II	0.10	U	0.10	U	0.10	U				
4,4'-DDD	0.10	U	0.10	U	0.10	U				
Endosulfan sulfate	0.10	U	0.10	U	0.10	U				
4,4'-DDT	0.10	U	0.10	U	0.10	U				
Methoxychlor	0.50	U	0.50	U	0.50	U				
Endrin ketone	0.10	U	0.10	U	0.10	U				
Endrin aldehyde	0.10	U	0.10	U	0.10	U				
alpha-Chlordane	0.05	U	0.05	U	0.05	U				
gamma-Chlordane	0.05	U	0.05	U	0.05	U				
Toxaphene	5.0	U	5.0	U	5.0	U				
Aroclor-1016	1.0	U	1.0	U	1.0	U				
Aroclor-1221	2.0	U	2.0	U	2.0	U				
Aroclor-1232	1.0	U	1.0	U	1.0	U				
Aroclor-1242	1.0	U	1.0	U	1.0	U				
Aroclor-1248	1.0	U	1.0	U	1.0	U				
Aroclor-1254	1.0	U	1.0	U	1.0	U				
Aroclor-1260	1.0	U	1.0	U	1.0	U				

FILE NAME: EAAZ8 DATE: 09/13/95 TIME: 14:07 CADRE 2.2P PAGE: 6

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Reviewed by: Ziyad A. Rajabi Lockheed/ESAT
Date: September 13, 1995

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKMF	110	103	92		0
02	EAAZ8	109	106	92		0
03	EABF0	104	103	89		0
04	EAPL9	94	90	86		0
05	EAPM0	100	99	84		0
06	EAAZ9	105	103	87		0
07	EAAZ8MS	93	91	97		0
08	EAAZ8MSD	91	90	90		0
09	VHBLK40	103	100	92		0
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix Spike - EPA Sample No.: EAAZ8

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50.00	0.000	39.70	79	61-145
Trichloroethene	50.00	0.000	44.56	89	71-120
Benzene	50.00	0.000	42.38	85	76-127
Toluene	50.00	0.000	45.58	91	76-125
Chlorobenzene	50.00	0.000	45.60	91	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.00	39.04	78	1	14	61-145
Trichloroethene	50.00	42.09	84	6	14	71-120
Benzene	50.00	41.27	82	4	11	76-127
Toluene	50.00	43.39	87	4	13	76-125
Chlorobenzene	50.00	44.19	88	3	13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM III VOA-1 OLM03.0

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKMF

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Lab File ID: CB950828A54 Lab Sample ID: VBLKMF

Date Analyzed: 08/28/95 Time Analyzed: 0937

GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: F50054

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EAAZ8	750215	CR050215A54	1030
02	EABF0	750225	CR050225A54	1142
03	EAPL9	750226	CR050226A54	1216
04	EAPM0	750227	CN050227A54	1250
05	EAAZ9	750224	C2R50224A54	1335
06	EAAZ8MS	750216	CN050216A54	1408
07	EAAZ8MSD	750217	CN050217A54	1442
08	VHBLK40	750218	CN050218A54	1602
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COMMENTS:

page 01 of 01

FORM IV VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMF

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

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

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CB950828A54

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

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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	J
67-64-1	Acetone	10	U
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	10	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	10	U
591-78-6	2-Hexanone	10	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

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKMF

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

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

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CB950828A54

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

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK40

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750218

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CN050218A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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	JB
67-64-1	Acetone	10	U
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	10	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	10	U
591-78-6	2-Hexanone	10	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.

VHBLK40

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case-No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750218

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CN050218A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ8
2103

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750215

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CR050215A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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	JB
67-64-1	Acetone	10	U
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	10	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	10	U
591-78-6	2-Hexanone	10	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

FORM I VOA OLM03.0

:PA SAMPLE NO.

EAAZ9
GW

).: EAAZ8

750224

C2R50224A54

08/24/95

08/28/95

: 1.0

lume: ________ (uL)

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OLM03.0

1E
LATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAAZ8

JCHEM ENV. CORP. Contract: 68D50009

J Case No.: 23950 SAS No.: SDG No.: EAAZ8

vater) WATER Lab Sample ID: 750215

5.0 (g/mL) mL Lab File ID: CR050215A54

ied) LOW Date Received: 08/24/95

dec. ________ Date Analyzed: 08/28/95

ID: 0.53 (mm) Dilution Factor: 1.0

lume: ________ (uL) Soil Aliquot Volume: ________ (uL)

und: 1

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

	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	4.32	8	J

FORM I VOA-TIC OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAAZ9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750224

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: C2R50224A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABF0 GMS.1B

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750225

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CR050225A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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	JB
67-64-1	Acetone	10	U
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	10	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	10	U
591-78-6	2-Hexanone	10	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

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABF0

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750225

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CR050225A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	3.47	8	J
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL9
G101

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750226

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CR050226A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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	10	U
67-64-1	Acetone	10	U
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	10	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	10	U
591-78-6	2-Hexanone	10	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

FORM I VOA OLM03.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750226

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CR050226A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPM0
G1'92

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750227

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CN050227A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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	10	U
67-64-1	Acetone	10	U
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	10	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	10	U
591-78-6	2-Hexanone	10	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

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPM0

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750227

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: CN050227A54

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. _____ Date Analyzed: 08/28/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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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FORM I VOA-TIC OLM03.0

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK36	91	89	134	82	94	86	85	76	0
02	EAAZ9	104	102	140	91	106	98	95	88	0
03	EAAZ8	85	85	106	82	81	85	78	69	0
04	EAPL9	85	77	94	78	78	81	77	66	0
05	EAPM0	103	94	123	95	95	114	91	80	0
06	SBLK53	89	85	91	72	70	70	73	57	0
07	EAAZ8MS	81	75	79	58	66	75	67	54	0
08	EAAZ8MSD	76	71	78	57	58	68	59	54	0
09										
10										
11										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix Spike - EPA Sample No.: EAAZ8

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75.00	0.000	47.14	63	12-110
2-Chlorophenol	75.00	0.000	49.94	66	27-123
1,4-Dichlorobenzene	50.00	0.000	29.50	59	36- 97
N-Nitroso-di-n-prop.(1)	50.00	0.000	37.17	74	41-116
1,2,4-Trichlorobenzene	50.00	0.000	32.03	64	39- 98
4-Chloro-3-methylphenol	75.00	0.000	65.01	87	23- 97
Acenaphthene	50.00	0.000	38.17	76	46-118
4-Nitrophenol	75.00	0.000	52.01	69	10- 80
2,4-Dinitrotoluene	50.00	0.000	43.44	87	24- 96
Pentachlorophenol	75.00	0.000	52.34	70	9-103
Pyrene	50.00	0.000	37.99	76	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.00	46.08	61	3	42	12-110
2-Chlorophenol	75.00	48.50	65	2	40	27-123
1,4-Dichlorobenzene	50.00	27.56	55	7	28	36- 97
N-Nitroso-di-n-prop.(1)	50.00	37.20	74	0	38	41-116
1,2,4-Trichlorobenzene	50.00	32.48	65	2	28	39- 98
4-Chloro-3-methylphenol	75.00	57.62	77	12	42	23- 97
Acenaphthene	50.00	36.72	73	4	31	46-118
4-Nitrophenol	75.00	46.86	62	11	50	10- 80
2,4-Dinitrotoluene	50.00	41.21	82	6	38	24- 96
Pentachlorophenol	75.00	46.53	62	12	50	9-103
Pyrene	50.00	38.20	76	0	31	26-127

(1) N-Nitroso-di-n-propylamine
Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK36

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Lab File ID: GH050669A07 Lab Sample ID: 750669

Instrument ID: OWA07 Date Extracted: 08/25/95

Matrix: (soil/water) WATER Date Analyzed: 08/28/95

Level: (low/med) LOW Time Analyzed: 1046

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EAAZ9	750224	GH050224A07	08/28/95
02	EAAZ8	750215	GJ050215B07	08/28/95
03	EAPL9	750226	GH050226B07	08/28/95
04	EAPM0	750227	GH050227B07	08/28/95
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK53

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Lab File ID: GH051384A15 Lab Sample ID: 751384

Instrument ID: OWA15 Date Extracted: 08/29/95

Matrix: (soil/water) WATER Date Analyzed: 08/30/95

Level: (low/med) LOW Time Analyzed: 1636

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EAAZ8MS	750220	GR050220A15	08/30/95
02	EAAZ8MSD	750221	GR050221A15	08/30/95
03				
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK36

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750669

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050669A07

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK36

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750669

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050669A07

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	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	10	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-octylphthalate	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK36

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750669

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050669A07

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BC)	4.15	4	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK53

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 751384

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH051384A15

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/29/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/30/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK53

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 751384

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH051384A15

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/29/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/30/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BC)	5.46	5	J
2.	CYCLOHEXENOL (BC)	5.80	2	J
3.	CYCLOHEXENONE (BC)	6.31	2	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ8
6103

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750215

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GJ050215B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750215

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GJ050215B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	JB
117-84-0	Di-n-octylphthalate	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 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAAZ8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750215

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GJ050215B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN (BC)	4.06	3	JB
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750224

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050224A07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1 OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750224

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050224A07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	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	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	BJ
117-84-0	Di-n-octylphthalate	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 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAAZ9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750224

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050224A07

Level (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL9
6101

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750226

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050226B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1 OLM03.0

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750226

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050226B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	38	B
117-84-0	Di-n-octylphthalate	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 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750226

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050226B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BC)	4.07	3	JB
2.				
3.				
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPM0 6142

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750227

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050227B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1 OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPM0

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750227

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050227B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	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	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	6	JB
117-84-0	Di-n-octylphthalate	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPM0

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750227

Sample wt/vol: 1000 (g/mL) mL Lab File ID: GH050227B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/28/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BC)	4.07	4	JB
2.	UNKNOWN ALCOHOL	4.59	8	J
3. 85-44-9	PHTHALIC ANHYDRIDE	8.33	2	NJ
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FORM I SV-TIC OLM03.0

2E
WATER PESTICIDE SURROGATE RECOVERY

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

GC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): RTX-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK62	76	84	82	76			0
02	EAAZ9	83	88	56	51			0
03	EAPL9	76	81	71	66			0
04	EAPM0	75	78	76	79			0
05	EAAZ8MSD	89	90	92	84			0
06	EAAZ8MS	93	98	100	93			0
07	EAAZ8	94	100	110	97			0
08	PBLK01	70	77	82	84			0
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	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix Spike - EPA Sample No.: EAAZ8

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.500	0.00	0.45	90	56-123
Heptachlor	0.500	0.00	0.40	80	40-131
Aldrin	0.500	0.00	0.39	78	40-120
Dieldrin	1.000	0.00	0.89	89	52-126
Endrin	1.000	0.00	0.94	94	56-121
4,4'-DDT	1.000	0.00	0.92	92	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.500	0.41	82	9	15	56-123
Heptachlor	0.500	0.37	74	8	20	40-131
Aldrin	0.500	0.36	72	8	22	40-120
Dieldrin	1.000	0.83	83	7	18	52-126
Endrin	1.000	0.87	87	8	21	56-121
4,4'-DDT	1.000	0.86	86	7	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: 0 out of 12 outside limits

COMMENTS:

FORM III PEST-1 OLM03.0

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK62

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Lab Sample ID: 750427 Lab File ID:

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 08/25/95

Date Analyzed (1): 08/28/95 Date Analyzed (2): 08/28/95

Time Analyzed (1): 2343 Time Analyzed (2): 2343

Instrument ID (1): VARIAN02 Instrument ID (2): VARIAN03

GC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): RTX-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EAAZ9	750224	08/29/95	08/29/95
02	EAPL9	750226	08/29/95	08/29/95
03	EAAZ8MSD	750223	08/29/95	08/29/95
04	EAAZ8MS	750222	08/29/95	08/29/95
05	EAAZ8	750215	08/29/95	08/29/95
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Comments:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Lab Sample ID: 750427 R1 Lab File ID:

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 08/25/95

Date Analyzed (1): 08/30/95 Date Analyzed (2): 08/30/95

Time Analyzed (1): 2256 Time Analyzed (2): 2256

Instrument ID (1): VARIAN08 Instrument ID (2): VARIAN09

GC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): RTX-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EAPM0	750227	08/30/95	08/30/95
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Comments:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK62

I Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750427

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

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/25/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/28/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	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.

PBLK01

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750427 R1

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

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/25/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/30/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ8

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750215

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

% Moisture: decanted: (Y/N) Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/25/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/29/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAZ9

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750224

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

% Moisture: decanted: (Y/N) Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/25/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/29/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL9

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750226

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

% Moisture: decanted: (Y/N) Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/25/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/29/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPM0

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAAZ8

Matrix: (soil/water) WATER Lab Sample ID: 750227

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

% Moisture: decanted: (Y/N) Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/25/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/30/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST OLM03.0

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (If applicable) | Case No. 12395 Q

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No.: II | Sampling Co.: IEPA | 4. Date Shipped: 8-23-95 | Carrier: Fed Ex | 6. Date Received – Received by: 8-24-95 M Stevens

Sampler (Name): Mark Wagner | Airbill Number: 4141139 3 3823 | Laboratory Contract Number: 68D50009 | Unit Price: 80.00

Sampler Signature: [signature] | 5. Ship To: Centralex Chapel Hill Transit Point NC ATTN: Kathy Flora 27514-2054 | 7. Transfer to: | Date Received

3. Purpose* Lead: SF, PRP, ST, FED | Early Action: CLEM, PA, REM, RI, SI, ESI | Long-Term Action: FS, RD, RA, O&M, NPLD

Received by: | Contract Number 4 | Price

CLP Sample Numbers (from labels)	A Matrix (from Box 1)	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2)	RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	Sampler Initials
FAPLA	2	L	G	1	X				5-009530 + 31	G101	8-23-95-945	MFADY7	MW
	2	L	G	5		X			5-009534	G101	8-23-95-945	"	
	2	L	G	5			X		5-009535	G101	8-23-95-945	"	
FAPMA	2	L	G	1	X				5-009536-37	G102	8-23-95-945	MFADY8	
"	2	L	G	5		X			5-009538	G102	8-23-95-945	"	
	2	L	G	5			X		5-009539	G102	8-23-95-945	"	
									750226				
									227				

Shipment for Case Complete? (Y/N): Y | Page: 1 of 1 | Sample(s) to be Used for Laboratory QC | Additional Sampler Signatures | Chain of Custody Seal Number(s): 41861 - 41863

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	8-23-95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		Melissa Stevens	8-24-95 0840	MIS 8-24-95. SAMPLES REC'D IN GOOD CONDITION	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

462836

EPA

United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable):
Case No.: 123950

1. Matrix (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Field QC
   5. Soil/Sediment
   6. Oil (High only)
   7. Waste (High only)
   8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaHSO4
   4. H2SO4
   5. Ice only
   6. Other (Specify in Column D)
   N. Not preserved

2. Region No.: IV
Sampling Co.: EPA
4. Date Shipped: 8-23-95
Carrier: Fed Ex
Sampler (Name): Mark Wagner
Airbill Number: 6149395382 3
Sampler Signature:
5. Ship To: Chapel Hill
Research Triangle
ATTN: Richard Bloom

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI, ESI
Long-Term Action: FS, RD, RA, O&M, NPLD

6. Date Received – Received by: 8-24-95 M. Jones
Laboratory Contract Number: 68D50009
Unit Price: 80.00
Transfer to:
Date Received:
Received by:
Contract Number 4:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phase Water Low Conc. Soil Medium Conc. Liquid
									750215 / 224 / 225					
EAA28	2	L	G	1	X				5-009510 5-009509 5-009252 5-009251	G103	8/23/95-1100	MIADY-9	MW	
	2	L	G	5		X			5-009255 5-009291	G103	8/23/95-1100	"	MW	
	2	L	G	5			X		5-009299 5-009298	G103	8/23/95-1100	"	MW	
EABF0	2	L	G	1	X				5-175892-13	G103	8/23/95-1200	—	MW	
EAA28	2	L	G	5		X			5-009202	G103	8/23/95-1100	MIADY-9	MW	
EAA28	2	L	G	5			X		5-009203	G103	8/23/95-1100	"	MW	
EAA29	2	L	G	5		X			5-179803	G104	8/23/95-1145	~~EAA29~~ -	MW	
	2	L	G	5			X		5-179801	G104	8/23/95-1145	— " -	MW	
				1	X				5-000000 5-179802	G104	8/23/95-1145	—	MW	

Shipment for Case Complete? (Y/N): Y
Page: 1 of 1
Sample(s) to be Used for Laboratory QC: ~~EAA29~~ B.S. EAA28
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 41863 / 41864

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	8-23-95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		Melissa Stevens	8-24-95 0840	MJ 8-24-95 SAMPLES REC'D IN GOOD CONDITION	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

362837

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ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

RECEIVED
SEP 07 1995
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

SDG Narrative

Case# 23950
SDG# EAAZ8
Contract# 68D50009

Sample Identifications: EAAZ8, EAAZ9, EABF0, EAPL9, EAPM0

The five (5) water samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed container, on August 24, 1995. The samples were analyzed for the requested volatile, semivolatile, and pesticide fractions. The samples were prepared and analyzed following Contract Laboratory Program (CLP) Statement of Work (SOW) (document OLM03.1) protocol.

This portion of the SDG narrative covers only the volatile fractions of this SDG.

VOLATILES

Analysis holding time requirements were met for all of these samples. The pH values of these samples are tabulated on the attached batch sheet.

The Target Compound List (TCL) analyte acetone was identified above the Contract Required Quantitation Limit (CRQL) in EAAZ9. The Tentatively Identified Compound (TIC) found in EAAZ8 was assessed as an unknown.

All of the surrogates met recovery criteria and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method and storage blanks met all quality control criteria. The blanks contained concentrations of the common laboratory solvent methylene chloride which were within acceptance limits. No TICs were found in the blanks.

EAAZ8 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee as verified by the following signature.

Stephanie W. Winfield 8/31/95
Stephanie W. Winfield
Technical Project Manager
August 31, 1995

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SDG NARRATIVE

Case # 23950
SDG # EAAZ8
Contract # 68D50009

Sample Identifications: EAAZ8, EAAZ9, EAPL9, EAPM0

The four liquid samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on August 24, 1995. The samples were scheduled for the requested analyses of the volatile, semivolatile, and pesticide/PCB fractions. These samples were analyzed following OLM03.0 (REVS) protocol.

This portion of the SDG narrative deals with the semivolatile fractions only. For the receiving information associated with these samples, please refer to the volatile SDG narrative.

All pertinent Quality Assurance notices are included in the narrative section or the sample data sections, and all pertinent Laboratory notices for Case # 23950, SDG # EAAZ8 are included in the sample data sections.

SEMIVOLATILES:
Extraction and analysis holding time requirements were met for all of these samples.

There were no semivolatile Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in any of these samples. Tentatively Identified Compounds (TIC's) found in two of these samples could be characterized as alcohols, phthalate anhydride, and blank contaminants.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice of Robert Meierer included in the narrative section of the SDG.

All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. The method blanks contained levels of phthalate esters within allowable limits. TIC's were found in these method blanks.

EAAZ8 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

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Sarah A. Hubbard
Technical Reviewer
August 31, 1995

Note: This report is paginated for reference and accountability.

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SDG NARRATIVE
CASE # 23950
SDG # EAAZ8
CONTRACT # 68D50009

Sample Identifications: EAAZ8, EAAZ9, EAPL9, EAPMO

This portion of the SDG narrative addresses the pesticide/PCB fraction. For the receiving information associated with these samples, please refer to the volatile SDG narrative.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case 23950, SDG EAAZ8, are included in the sample data sections.

Pesticides/PCBs
All samples were extracted and analyzed within holding time requirements. There were no pesticide/PCB TCL analytes confirmed by dual column analysis above the CRQL in these samples.

All advisory surrogate recovery criteria were met. The associated method blank met all quality control criteria. No TCL analytes were found in the method blank.

EAAZ8 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

In the analyses of Aroclor Initial Calibration Standards AR1221OX and AR1221B5, Individual Standard Mixtures INDBL13 and INDAH16, and Resolution Check Mixture RESCOZ, the operator performed manual integrations and/or manual edits of one or more of the TCL analytes. These manual integrations or edits are indicated by an "M". Extracted Ion Current Profiles (EICPs) have been provided for each analyte requiring a manual integration. These manual edits and/or manual integrations were required for the following reasons: 1)TCL analytes were incorrectly integrated by the automatic integration routine, 2)TCL analytes were initially not found by the automatic integration routine, and 3)coeluting TCL analytes were incorrectly integrated by the automatic integration routine.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

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Jean M. Zimmerman
Final Technical Reviewer
August 31, 1995

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: IL D148348287

Case No: 23950 Site Name Location: Matheson Gas Prod.

Contractor or EPA Lab: Compuchem Data User: IEPA

No. of Samples: 5 Date Sampled or Data Received: 9-7-95

Have Chain-of-Custody records been received? Yes ✓ No ___
Have traffic reports or packing lists been received? Yes ✓ No ___
If no, are traffic report or packing list numbers written on the ch
of-custody record? Yes ✓ No ___
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____

_____ _____ _____ _____

Are basic data forms in? Yes ✓ No ___
No of samples claimed: 5 No. of samples received: 5

Received by: Lynette Burnett Date: 9-7-95

Received by LSSS: Allison C Harvey Date: 9-8-95

Review started: 9-13-95 Reviewer Signature: [signature]

Total time spent on review: 8.5 Date review completed: 9-14-9

Copied by: P. Chunella Date: 9/15/95

Mailed to user by: P. Chunella Date: 9/15/95

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓

PROBLEMS: Please indicate reasons why data are not suitable for uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Data: _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Region V CLP Data
Received for Review on Sept 13, 1995

FROM: Dennis Wesolowski, Chief (SQC-14J)
Contract Analytical Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Matheson Gas Products (IL)

CASE NUMBER: 23950 SDG NUMBER: EAPK9

Number and Type of Samples: 10 (Soil)

Sample Numbers: EAPK9; EAPL0-8

Laboratory: Compuchem Hrs. for Review:

Following are our findings:

The data is not reviewed.

RECEIVED
SEP 20 1995
IEPA/DLPC

cc: Regional TPO

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CORPORATION

RECEIVED
SEP 1 5 1995
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

SDG NARRATIVE
CASE # 23950
SDG # EAPK9
CONTRACT # 68D50009

Sample Identifications: EAPK9, EAPL0, EAPL1, EAPL2, EAPL3, EAPL4, EAPL5, EAPL6, EAPL7, EAPL8

The ten (10) soil samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on August 24, 1995. The samples were scheduled for the requested analyses of the volatile, semivolatile, and pesticide/PCB fractions. These samples were analyzed following Statement of Work (SOW) Document No. OLM03.1 protocol. These samples were received at a temperature of 4 degrees Celsius. The pH values of these soil samples ranged from 6.9 to 7.7 and the percent moistures ranged from 18 to 58.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case 23950, SDG EAPK9, are included in the sample data sections.

Volatiles
All of the samples were analyzed within holding time requirements. The common laboratory solvents methylene chloride and acetone were identified above the Contract Required Quantitation Limit (CRQL) in these samples. Tentatively Identified Compounds (TICs) were found in these samples. These TICs could be characterized as carbon dioxide and hexane.

The system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. The common laboratory solvents acetone and methylene chloride were found in the method blanks at concentrations within acceptance criteria limits. A single TIC was found in one of the method blanks. The associated volatile holding blank met all quality control criteria.

EAPK9 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable

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data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jean M. Zimmerman
Final Technical Reviewer
September 1, 1995

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SDG NARRATIVE
CASE NUMBER: 23950
SDG NUMBER: EAPK9
CONTRACT NUMBER: 68D50009

SAMPLE IDENTIFICATIONS: EAPK9, EAPL0, EAPL1, EAPL2, EAPL3, EAPL4, EAPL5, EAPL6, EAPL7, EAPL8

The pH values of these soil samples ranged from 6.9 to 7.7, and the percent moisture values varied from 18 to 58. This portion of the SDG narrative deals with the semi-volatile fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case Number 23950, SDG Number EAPK9 are included in the sample data sections.

SEMI-VOLATILES

Extraction and analysis holding time requirements were met for all of these samples. There were no semivolatile target compound list (TCL) analytes identified above the contract required quantitation limit (CRQL) in seven of these samples. There were a number a aromatic, polyaromatic hydrocarbon, and phthalate ester TCL analytes identified above the CRQL at varying concentrations in the remaining samples. Tentatively identified compounds (TICs) were found in all of these samples. Some of the TICs found in these samples could be characterized as alkanes, aldol condensation reaction products, substituted benzenes, hydrocarbons, and unknowns. Some of the other TICs found in these samples were assessed as laboratory artifacts and blank contaminants, and therefore may not be sample constituents.

The 'X' flag is used to denote indistinguishable coeluting isomers. We have provided an extracted ion current profile (EICP) for each pair of isomers flagged with an 'X' on the Form I.

In the analysis of the Initial and the Continuing Calibration Standards and some of the samples, the operator performed manual integrations and/or manual edits of one or more of the TCL analytes. These manual integrations or edits are indicated by the "M", "H", or the "MH" flag present on the quantitation report. An EICP has been provided for each analyte requiring a manual integration or a manual edit. As noted on the quantitation reports by number, these manual edits and/or manual integrations were required for the following reasons: 1) TCL

analytes were initially not found by the automatic integration routine, 2) TCL analytes were incorrectly integrated by the automatic integration routine, 3) the operator selected an alternate peak within the retention time window for a particular TCL analyte than that chosen by the computer software. The explanations for the manual integrations and/or manual edits are summarized in a quality assurance notice which is located in the narrative section of the data package.

In the undiluted analysis of sample EAPL0, the amounts of several aromatic TCL analytes exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. Additionally, in the undiluted analysis of sample EAPL0, the response of the internal standard d12-perylene failed quality control criteria. The sample was reinjected undiluted and the internal standard again failed response criteria. We have attributed the failing internal standard responses to the particular matrix of the sample. The sample was also analyzed at a 20:1 dilution in order to bring the amounts into range. At this level of dilution, the surrogates were present at concentration levels which precluded accurate quantitation. Diluted analyses are not required to meet surrogate recovery criteria by the statement of work (SOW). The surrogate recovery values met quality control criteria in the associated method blank. We have reported and billed for three analyses of sample EAPL0.

In the 6:1 diluted analysis of sample EAPL6, the amount of bis(2-ethylhexyl)phthalate exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. The sample was reanalyzed at a 75:1 dilution in order to bring the amount into range. We have reported and billed for two analyses of sample EAPL6.

All of the surrogates in samples not previously discussed met recovery criteria. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. Method blank SBLK64 did not contain any TCL analytes. In method blank SBLK43, bis(2-ethylhexyl)phthalate was detected at a level within allowable limits. TICs were found in these method blanks. EAPK9 was used as the original sample to prepare the duplicate matrix spikes. With one exception, the associated duplicate matrix spikes met all advisory accuracy and precision criteria. The relative percent difference (RPD) of 4-nitrophenol was flagged as an outlier in the comparison of the duplicate matrix spikes.

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Cynthia E. Edwards 9/6/95
Cynthia E. Edwards
Technical Reviewer
September 06, 1995

Note: This report is paginated for reference and accountability.

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3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

CASE NARRATIVE

CASE #23950 SDG # EAPK9

Pesticide Fraction

Sample I.D. #'s: EAPK9, EAPL0, EAPL1, EAPL3, EAPL4, EAPL5, EAPL6, EAPL7, EAPL8.

This is the SDG narrative for the above referenced soil samples submitted to the laboratory for pesticide and PCB analysis by GC-ECD using the current CLP OLM03 statement of work. The samples were received by the laboratory in good condition with the proper chain of custody. The samples were recieved on 08/24/95. The samples were then logged into the LIMS system and submitted to the sample preparation laboratory for extraction and cleanup proceedures according to the contract.

The samples were then submitted to the GC laboratory and analyzed according to the contract. Sample I.D. #'s EAPL0, EAPL1, EAPL3, EAPL5, EAPL6, and EAPL8 contained AR1260 detected on both columns. Sample I.D. # EAPL6 required GC/MS confirmation for significant levels of AR1260. In addition, this sample required a secondary dilution due to the quantitated amount of Endrin Aldehyde being above the linear range. The amount of AR1260 in the other above mentioned samples was low level and did not require GC/MS confirmation. The rest of the field samples contained levels of single component analytes at levels less than the CRQL's.

All surrogate recovery criteria have been met for the samples associated with this SDG with the exception of DCB on the DB-608 analytical column for sample I.D. #'s EAPL6, EAPL6DL, and EAPL7.

The method blank that was prepared with this SDG met all the technical acceptance criteria. The instrument blanks associated with this SDG were acceptable.

The initial and continuing calibration for the sequences associated with this SDG were acceptable.

The matrix spikes that were prepared with this SDG met all QC recovery criteria.

All florisil and GPC calibration criteria have been met for this SDG.

JW
9/6/9
R

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3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the laboratory manager, or his designee, as verified by the following signature.

Ed Buchner

Ed Buchner, Senior GC Chemist

Date: 09/06/95

9

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (If applicable):
SDG No.: 2495179

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No.: I
Sampling Co.: EPA
4. Date Shipped: 8/23/95
Carrier: FED EXPRESS
6. Date Received – Received by: 8/24/95 [illegible]

Sampler (Name): Mark Wagner
Airbill Number: 4113933523
Laboratory Contract Number: 68D20009
Unit Price: 805.00

Sampler Signature: Mark Wagner
5. Ship To: Computerm Environmental Corp 3306 East Chapel Hill / Nelson Rd Research Triangle Park, NC 27709-49 ATTN Richard Bloom
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI (X), ESI
Long-Term Action: FS, RD, RA, O&M, NPLD

750197 206 207 208 209

CLP Sample Numbers (from labels)	A Matrix (from Box 1)	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2)	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phase
EAPL9	5	L	G	5	X				5-004197-98	X101	8/22/95-1700	MEAET 7		
EAPL9	5	L	G	5		X	X		5-009199	X101	8/22/95-1700	MEAET 7		
EAPL0	5	L	G	5	X				5-004260-04	X102	8/22/95-1600	MEAET 8		
EAPL0	5	L	G	5		X	X		5-009630	X102	8/22/95-1600	MEAET 8		
EAPL1	5	L	G	5	X				5-004037-32	X103	8/22/95-1515	MEAET 9		
EAPL1	5	L	G	5		X	X		5-009633	X103	8/22/95-1515	MEAET 9		
EAPL2	5	L	G	5	X				5-004205	X104	8/22/95-1515	MEAEL 8		
EAPL2	5	L	G	5		X	X		5-009205	X104	8/22/95-1515	MEAEL 8		
EAPL3	5	L	G	5	X				5-004413-53	X105	8/22/95-1530	MEAEL 9		
EAPL3	5	L	G	5		X	X		5-009452	X105	8/22/95-1530	MEAEL 9		

Shipment for Case Complete? (Y/N): Y
Page 1 of 2
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures: Lynnette Hubbert
Chain of Custody Seal Number(s): 415250 / 15 7990

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	8/23/95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none
		Melissa Stewart	8/24/95 0840	SAMPLES REC'D IN GOOD CONDITION m.s 8.24.95

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

362834

EPA

United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (If applicable):
Case No.: 23950

1. Matrix (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Field QC
   5. Soil/Sediment
   6. Oil (High only)
   7. Waste (High only)
   8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaHSO4
   4. H2SO4
   5. Ice only
   6. Other (Specify in Column D)
   N. Not preserved

2. Region No.: 7
Sampling Co.: EPA
Sampler (Name): Mark Wagner
Sampler Signature: [signature]

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI, ESI (X)
Long-Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 8/23/95
Carrier: Federal Express
Airbill Number: 4413932823
5. Ship To: CompuChem Environmental Corp. 3308 East Chapel Hill/Nelson Rd Research Triangle Park, NC 27709-4
ATTN: Richard Blum

6. Date Received – Received by: 8/24/95 M Stewart
Laboratory Contract Number: 68D50009
Unit Price: 805.00
7. Transfer to:
Date Received
Received by:
Contract Number
Price

CLP Sample Numbers (from labels)	A Matrix (from Box 1)	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2)	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phase
EAPL5	5	L	G	5	X				5-009414-15	X201	8/22/95-1430	MEAEM		
EAPL5	5	L	G	5		X	X		5-009417	X201	8/22/95-1430	MEAEM		
EAPL5	5	L	G	5	X				5-009418-19	X202	8/22/95-1335	MEAEL5		
EAPL5	5	L	G	5		X	X		5-009420	X202	8/22/95-1335	MEAEL5		
EAPL6	5	L	G	5	X				5-009421-9273	X203	8/22/95-1300	MEAEL6		
EAPL6	5	L	G	5		X	X		5-009274	X203	8/22/95-1300	MEAEL6		
EAPL7	5	L	G	5	X				5-009301-02	X204	8/22/95-1215	MEAEL7		
EAPL7	5	L	G	5		X	X		5-009303	X204	8/22/95-1215	MEAEL7		
EAPL8	5	L	G	5	X				5-009304-15	X205	8/22/95-1200	MEAEL2		
EAPL8	5	L	G	5		X	X		5-009306	X205	8/22/95-1200	MEAEL2		

Shipment for Case Complete? (Y/N): Y
Page: 2 of 2
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures: Kimberlee Hibbert
Chain of Custody Seal Number(s): 45290 / 15 7990

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	8/23/95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		Melissa Stewart	8.24.95 0840	SAMPLES REC'D IN GOOD CONDITION mis 8/24/95.	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

062835

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKZ7	100	89	95		0
02	EAPL3	106	88	94		0
03	EAPL4	104	88	95		0
04	EAPL5	100	89	93		0
05	EAPL6	107	90	95		0
06	EAPL7	105	87	92		0
07	EAPL8	108	86	94		0
08	VHBLK50	101	88	93		0
09	VBLKZ4	103	91	92		0
10	EAPK9	103	89	92		0
11	EAPL0	106	98	102		0
12	EAPL1	112	94	103		0
13	EAPL2	108	95	100		0
14	EAPK9MS	104	96	106		0
15	EAPK9MSD	105	98	108		0
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL3
X105

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750209

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050209B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 32 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	0.86	59	JB
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL4
X201

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750210

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050210B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 33 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	9	JB
67-64-1	Acetone	80	B
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene (Total)	15	U

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL4
X201

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750210

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050210B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 33 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	0.86	31	JB
2.	HEXANE	4.89	8	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL5
X202

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050211B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 31 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	35	B
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (Total)	14	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL5 X 202

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050211B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 31 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	0.84	36	JB
2.				
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL6 X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050212B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 58 Date Analyzed: 08/25/95

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	24	U
74-83-9	Bromomethane	24	U
75-01-4	Vinyl Chloride	24	U
75-00-3	Chloroethane	24	U
75-09-2	Methylene Chloride	16	JB
67-64-1	Acetone	18	JB
75-15-0	Carbon Disulfide	24	U
75-35-4	1,1-Dichloroethene	24	U
75-34-3	1,1-Dichloroethane	24	U
540-59-0	1,2-Dichloroethene (total)	24	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	24	U
78-93-3	2-Butanone	24	U
71-55-6	1,1,1-Trichloroethane	24	U
56-23-5	Carbon Tetrachloride	24	U
75-27-4	Bromodichloromethane	24	U
78-87-5	1,2-Dichloropropane	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
79-01-6	Trichloroethene	24	U
124-48-1	Dibromochloromethane	24	U
79-00-5	1,1,2-Trichloroethane	24	U
71-43-2	Benzene	24	U
10061-02-6	trans-1,3-Dichloropropene	24	U
75-25-2	Bromoform	24	U
108-10-1	4-Methyl-2-Pentanone	24	U
591-78-6	2-Hexanone	24	U
127-18-4	Tetrachloroethene	24	U
79-34-5	1,1,2,2-Tetrachloroethane	24	U
108-88-3	Toluene	24	U
108-90-7	Chlorobenzene	24	U
100-41-4	Ethylbenzene	24	U
100-42-5	Styrene	24	U
1330-20-7	Xylene (Total)	24	U

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL6 x203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050212B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 58 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	0.84	215	JB
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL7 X204

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050213B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 39 Date Analyzed: 08/25/95

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	12	JB
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	16	U

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL7
X204

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050213B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 39 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	0.84	33	JB
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL8 X205

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050214B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 52 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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	97	B
67-64-1	Acetone	250	B
75-15-0	Carbon Disulfide	21	U
75-35-4	1,1-Dichloroethene	21	U
75-34-3	1,1-Dichloroethane	21	U
540-59-0	1,2-Dichloroethene (total)	21	U
67-66-3	Chloroform	21	U
107-06-2	1,2-Dichloroethane	21	U
78-93-3	2-Butanone	21	U
71-55-6	1,1,1-Trichloroethane	21	U
56-23-5	Carbon Tetrachloride	21	U
75-27-4	Bromodichloromethane	21	U
78-87-5	1,2-Dichloropropane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
79-01-6	Trichloroethene	21	U
124-48-1	Dibromochloromethane	21	U
79-00-5	1,1,2-Trichloroethane	21	U
71-43-2	Benzene	21	U
10061-02-6	trans-1,3-Dichloropropene	21	U
75-25-2	Bromoform	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
108-88-3	Toluene	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethylbenzene	21	U
100-42-5	Styrene	21	U
1330-20-7	Xylene (Total)	21	U

FORM I VOA OLM03.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL8 X205

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH050214B52

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: not dec. 52 Date Analyzed: 08/25/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CO2 (NOT IN TIC TOTAL)	0.85	114	JB
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FORM I VOA-TIC OLM03.0

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	SBLK43	58	62	70	65	69	51	61	49	0
02	EAPK9	67	59	66	62	67	53	60	49	0
03	EAPK9MS	50	43	49	52	54	39	44	39	0
04	EAPL8	70	58	66	62	68	54	59	49	0
05	EAPL0	65	54	63	58	61	44	55	45	0
06	EAPL1	65	56	60	60	66	48	55	47	0
07	EAPL2	40	34	36	49	53	34	50	37	0
08	EAPL3	49	41	44	47	50	36	42	38	0
09	EAPL7	72	64	75	69	74	66	67	55	0
10	EAPL0RE	63	57	57	61	65	45	58	48	0
11	EAPK9MSD	54	49	53	53	55	42	50	41	0
12	EAPL4	63	55	58	58	61	46	55	47	0
13	EAPL5	43	37	39	52	55	35	54	38	0
14	EAPL0DL	54	67	71	34	48	28	51	51	0
15	SBLK64	53	54	61	54	55	40	50	45	0
16	EAPL6	57	90	88	27	62	67	63	63	0
17	EAPL6DL	0D	0D	0D	0D	0D	0D	0D	0D	0
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			QC LIMITS	
S1	(NBZ)	= Nitrobenzene-d5	(23-120)	
S2	(FBP)	= 2-Fluorobiphenyl	(30-115)	
S3	(TPH)	= Terphenyl-d14	(18-137)	
S4	(PHL)	= Phenol-d5	(24-113)	
S5	(2FP)	= 2-Fluorophenol	(25-121)	
S6	(TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7	(2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8	(DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix Spike - EPA Sample No.: EAPK9 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3018	0.000	1560	52	26- 90
2-Chlorophenol	3018	0.000	1347	45	25-102
1,4-Dichlorobenzene	2012	0.000	860.4	43	28-104
N-Nitroso-di-n-prop.(1)	2012	0.000	958.5	48	41-126
1,2,4-Trichlorobenzene	2012	0.000	929.8	46	38-107
4-Chloro-3-methylphenol	3018	0.000	1738	58	26-103
Acenaphthene	2012	0.000	944.9	47	31-137
4-Nitrophenol	3018	0.000	1557	52	11-114
2,4-Dinitrotoluene	2012	0.000	873.9	43	28- 89
Pentachlorophenol	3018	0.000	655.9	22	17-109
Pyrene	2012	257.0	1128	43	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3028	1620	54	4	35	26- 90
2-Chlorophenol	3028	1521	50	10	50	25-102
1,4-Dichlorobenzene	2019	890.3	44	2	27	28-104
N-Nitroso-di-n-prop.(1)	2019	888.3	44	9	38	41-126
1,2,4-Trichlorobenzene	2019	923.0	46	0	23	38-107
4-Chloro-3-methylphenol	3028	1781	59	2	33	26-103
Acenaphthene	2019	996.5	49	4	19	31-137
4-Nitrophenol	3028	898.7	30	54*	50	11-114
2,4-Dinitrotoluene	2019	792.5	39	10	47	28- 89
Pentachlorophenol	3028	782.1	26	17	47	17-109
Pyrene	2019	1130	43	0	36	35-142

(1) N-Nitroso-di-n-propylamine
Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK43

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Lab File ID: GH050729C07 Lab Sample ID: 750729

Instrument ID: OWA07 Date Extracted: 08/25/95

Matrix: (soil/water) SOIL Date Analyzed: 08/29/95

Level: (low/med) LOW Time Analyzed: 0121

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EAPK9	750197	GH050197C07	08/29/95
02	EAPK9MS	750202	GH050202C07	08/29/95
03	EAPL8	750214	GH050214C07	08/29/95
04	EAPL0	750206	GH050206C07	08/29/95
05	EAPL1	750207	GH050207C07	08/29/95
06	EAPL2	750208	GH050208C07	08/29/95
07	EAPL3	750209	GH050209C07	08/29/95
08	EAPL7	750213	GJ050213B07	08/29/95
09	EAPL0RE	750206	GJ050206B07	08/29/95
10	EAPK9MSD	750203	GJ050203B07	08/29/95
11	EAPL4	750210	GJ050210B07	08/29/95
12	EAPL5	750211	GH050211B07	08/29/95
13	EAPL0DL	750206	G3D50206C07	08/30/95
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK64

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Lab File ID: GJ051099C21 Lab Sample ID: 751099.21

Instrument ID: OWA21 Date Extracted: 08/28/95

Matrix: (soil/water) SOIL Date Analyzed: 08/31/95

Level:(low/med) LOW Time Analyzed: 0308

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EAPL6	750212	GRD50212A21	08/31/95
02	EAPL6DL	750212	G3D50212A21	08/31/95
03				
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK43

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750729

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH050729C07

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

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
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK43

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750729

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH050729C07

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	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	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	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	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	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	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	51	J
117-84-0	Di-n-octylphthalate	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.

SBLK43

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750729

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH050729C07

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.97	48000	AJ
2.	UNKNOWN (BC)	4.06	250	J
3.	UNKNOWN ALCOHOL (BC)	4.36	140	J
4.	UNKNOWN (BC)	4.70	2200	J
5.	UNKNOWN (BC)	5.43	150	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK64

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 751099.21

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GJ051099C21

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

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
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK64

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 751099.21

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GJ051099C21

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	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	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	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	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	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	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	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.

SBLK64

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 751099.21

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GJ051099C21

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	6.02	10000	AJ
2.	UNKNOWN (BC)	6.23	98	J
3.	UNKNOWN (BC)	6.90	170	J
4.	LABORATORY ARTIFACT	16.94	77	J
5.	UNKNOWN ALCOHOL (BC)	17.60	200	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPK9 X101

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750197

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050197C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPK9 X101

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750197

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050197C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	450	
206-44-0	Fluoranthene	210	J
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	54	BJ
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	200	XJ
207-08-9	Benzo(k)fluoranthene	190	XJ
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	70	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	56	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPK9 x01

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750197

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050197C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.00	35000	ABJ
2.	UNKNOWN (BC)	4.09	280	JB
3.	UNKNOWN ALCOHOL (BC)	4.39	85	JB
4.	UNKNOWN (BC)	4.73	1500	JB
5.	CYCLOHEXANONE	4.91	100	J
6.	UNKNOWN (BC)	5.45	160	JB
7.	UNKNOWN	7.10	180	J
8.	UNKNOWN	13.59	130	J
9.	LABORATORY ARTIFACT	13.96	120	J
10.	LABORATORY ARTIFACT	14.00	190	J
11.	UNKNOWN ALCOHOL	14.97	170	J
12.	UNKNOWN ALCOHOL	17.11	570	J
13.	BENZOFLUORANTHENE	17.23	120	J
14.	SUBSTITUTED CYCLOHEXANE	20.41	94	J
15.	UNKNOWN	20.47	160	J
16.	UNKNOWN	20.57	1800	J
17.	UNKNOWN	20.92	230	J
18.	UNKNOWN	21.64	520	J
19.	UNKNOWN	25.33	300	J
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FORM I SV-TIC OLM03.0

1FA

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPK9 X10

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750197

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050197C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	10.86	98	J
2.		UNKNOWN ALKANE	13.57	92	J
3.		UNKNOWN ALKANE	14.05	93	J
4.		UNKNOWN ALKANE	17.02	200	J
5.		UNKNOWN ALKANE	18.71	250	J
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23950 EAPK9 SAMPLE DATA PACKAGE

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL0 X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	280	J

FORM I SV-1 OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL0
X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	76	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	210	J
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	540	
86-74-8	Carbazole	190	J
84-74-2	Di-n-butylphthalate	280	J
206-44-0	Fluoranthene	3800	E
129-00-0	Pyrene	4800	E
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	4500	E
218-01-9	Chrysene	4000	E
117-81-7	bis(2-Ethylhexyl)phthalate	18000	EB
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	6600	EX
207-08-9	Benzo(k)fluoranthene	6400	EX
50-32-8	Benzo(a)pyrene	3700	E
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	310	J
191-24-2	Benzo(g,h,i)perylene	560	

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL0 X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 31

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.00	28000	JAB
2.	UNKNOWN (BC)	4.73	1400	JB
3.	BENZOFLUORENE	13.97	1100	J
4.	BENZOFLUORENE	14.06	910	J
5.	UNKNOWN	14.46	660	J
6.	UNKNOWN	14.58	760	J
7.	UNKNOWN	14.70	1200	J
8.	BENZONAPHTHOTHIOPHENE	14.80	1200	J
9.	UNKNOWN	14.84	980	J
10.	UNKNOWN PAH	14.88	1900	J
11.	UNKNOWN	14.94	920	J
12.	UNKNOWN ALCOHOL	14.98	1200	J
13.	BENZONAPHTHOTHIOPHENE	15.03	1200	J
14.	UNKNOWN	15.30	1400	J
15.	UNKNOWN	15.36	1300	J
16.	UNKNOWN	15.44	840	J
17. 243-51-6	11H-INDENO(1,2-B)QUINOLINE	15.49	680	NJ
18.	UNKNOWN PAH	15.65	500	J
19.	UNKNOWN PAH	15.69	910	J
20.	UNKNOWN	15.84	890	J
21.	UNKNOWN	15.89	710	J
22.	UNKNOWN	15.92	840	J
23.	UNKNOWN	16.19	910	J
24.	UNKNOWN	16.36	510	J
25.	UNKNOWN	16.49	630	J
26.	BENZOPYRENE	16.94	820	J
27.	UNKNOWN	17.13	980	J
28.	BENZOPYRENE	17.29	2200	J
29.	BENZOPYRENE	17.55	1100	J
30.	UNKNOWN	17.89	1100	J

FORM I SV-TIC OLM03.0

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL0 X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 31

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.97	770	J
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FORM I SV-TIC OLM03.0

1FA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL0
X02

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	17.04	770	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPLORE
X02

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GJ050206B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	280	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPLORE X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GJ050206B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	73	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	180	J
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	670	
86-74-8	Carbazole	210	J
84-74-2	Di-n-butylphthalate	370	J
206-44-0	Fluoranthene	4800	E
129-00-0	Pyrene	4900	E
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	4700	E
218-01-9	Chrysene	3400	E
117-81-7	bis(2-Ethylhexyl)phthalate	20000	BE
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	5100	XE
207-08-9	Benzo(k)fluoranthene	5700	XE
50-32-8	Benzo(a)pyrene	3000	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	290	J
191-24-2	Benzo(g,h,i)perylene	560	

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL0RE X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GJ050206B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 31

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.92	33000	JAB
2.	UNKNOWN (BC)	4.64	1600	JB
3.	DIBENZOTHIOPHENE + UNKNOWN	11.35	260	J
4.	UNKNOWN PAH	13.01	310	J
5.	BENZOFLUORENE	13.86	800	J
6.	BENZOFLUORENE	13.95	640	J
7.	UNKNOWN	14.35	340	J
8.	UNKNOWN	14.47	400	J
9.	UNKNOWN	14.61	680	J
10.	BENZONAPHTHOTHIOPHENE	14.69	900	J
11.	UNKNOWN	14.76	280	J
12.	UNKNOWN	14.78	390	J
13.	UNKNOWN	15.18	760	J
14.	UNKNOWN	15.26	400	J
15.	UNKNOWN	15.32	380	J
16.	UNKNOWN PNA	15.38	380	J
17.	UNKNOWN PAH	15.57	370	J
18.	UNKNOWN	15.71	490	J
19.	UNKNOWN	15.78	910	J
20.	UNKNOWN PNA	16.05	440	J
21.	BENZOPYRENE	16.77	610	J
22.	UNKNOWN	16.97	830	J
23.	BENZOPYRENE	17.11	2400	J
24.	BENZOPYRENE	17.36	1100	J
25.	UNKNOWN PAH	17.69	950	J
26.	UNKNOWN	18.06	470	J
27.	UNKNOWN	18.25	740	J
28.	UNKNOWN PAH	19.61	280	J
29.	UNKNOWN	19.71	1000	J
30.	UNKNOWN	20.35	260	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL0RE X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GJ050206B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 31

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.32	430	J
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FORM I SV-TIC OLM03.0

1FA

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL0RE
X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GJ050206B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/29/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	16.91	430	J
2.		UNKNOWN ALKANE	18.54	1500	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL0DL
X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: G3D50206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/30/95

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	8100	U
111-44-4	bis(2-Chloroethyl)ether	8100	U
95-57-8	2-Chlorophenol	8100	U
541-73-1	1,3-Dichlorobenzene	8100	U
106-46-7	1,4-Dichlorobenzene	8100	U
95-50-1	1,2-Dichlorobenzene	8100	U
95-48-7	2-Methylphenol	8100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	8100	U
106-44-5	4-Methylphenol	8100	U
621-64-7	N-Nitroso-di-n-propylamine	8100	U
67-72-1	Hexachloroethane	8100	U
98-95-3	Nitrobenzene	8100	U
78-59-1	Isophorone	8100	U
88-75-5	2-Nitrophenol	8100	U
105-67-9	2,4-Dimethylphenol	8100	U
111-91-1	bis(2-Chloroethoxy)methane	8100	U
120-83-2	2,4-Dichlorophenol	8100	U
120-82-1	1,2,4-Trichlorobenzene	8100	U
91-20-3	Naphthalene	8100	U
106-47-8	4-Chloroaniline	8100	U
87-68-3	Hexachlorobutadiene	8100	U
59-50-7	4-Chloro-3-methylphenol	8100	U
91-57-6	2-Methylnaphthalene	8100	U
77-47-4	Hexachlorocyclopentadiene	8100	U
88-06-2	2,4,6-Trichlorophenol	8100	U
95-95-4	2,4,5-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	8100	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	8100	U
208-96-8	Acenaphthylene	8100	U
606-20-2	2,6-Dinitrotoluene	8100	U
99-09-2	3-Nitroaniline	20000	U
83-32-9	Acenaphthene	8100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL0DL
X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case. No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: G3D50206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/30/95

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	8100	U
121-14-2	2,4-Dinitrotoluene	8100	U
84-66-2	Diethylphthalate	8100	U
7005-72-3	4-Chlorophenyl-phenylether	8100	U
86-73-7	Fluorene	8100	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-nitrosodiphenylamine (1)	8100	U
101-55-3	4-Bromophenyl-phenylether	8100	U
118-74-1	Hexachlorobenzene	8100	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	2400	DJ
120-12-7	Anthracene	840	DJ
86-74-8	Carbazole	8100	U
84-74-2	Di-n-butylphthalate	8100	U
206-44-0	Fluoranthene	7800	DJ
129-00-0	Pyrene	7600	DJ
85-68-7	Butylbenzylphthalate	8100	U
91-94-1	3,3'-Dichlorobenzidine	8100	U
56-55-3	Benzo(a)anthracene	5500	DJ
218-01-9	Chrysene	5300	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	41000	DB
117-84-0	Di-n-octylphthalate	8100	U
205-99-2	Benzo(b)fluoranthene	8100	DX
207-08-9	Benzo(k)fluoranthene	9100	DX
50-32-8	Benzo(a)pyrene	4700	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	1600	DJ
53-70-3	Dibenzo(a,h)anthracene	8100	U
191-24-2	Benzo(g,h,i)perylene	8100	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL0DL
X102

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

Sample wt/vol: 30.2 (g/mL) g Lab File ID: G3D50206C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 19 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/30/95

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.77	85000	JABD
2.	BENZOPYRENE	17.08	2600	JD
3.				
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL1 X103

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case. No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750207

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050207C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL1 X103

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750207

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050207C07

Level (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	470	U
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	48	J
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-butylphthalate	410	J
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	77	J
218-01-9	Chrysene	98	J
117-81-7	bis(2-Ethylhexyl)phthalate	82	JB
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	160	JX
207-08-9	Benzo(k)fluoranthene	150	JX
50-32-8	Benzo(a)pyrene	89	J
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenzo(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL1 X03

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750207

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050207C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.00	39000	JAB
2.	UNKNOWN (BC)	4.09	320	JB
3.	UNKNOWN ALCOHOL (BC)	4.40	120	JB
4.	UNKNOWN	4.73	2000	J
5.	CYCLOHEXENONE	4.92	130	J
6.	UNKNOWN (BC)	5.46	210	JB
7.	UNKNOWN	7.11	190	J
8.	UNKNOWN	14.98	290	J
9.	UNKNOWN	15.91	100	J
10.	UNKNOWN	17.11	120	J
11.	UNKNOWN	17.13	140	J
12.	UNKNOWN	19.24	180	J
13.	UNKNOWN	20.61	140	J
14.	UNKNOWN	21.66	370	J
15.	UNKNOWN	21.68	450	J
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FORM I SV-TIC OLM03.0

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL1 X103

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750207

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050207C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	10.88	110	J
2.	UNKNOWN ALKANE	15.87	110	J
3.	UNKNOWN ALKANE	17.05	360	J
4.	UNKNOWN ALKANE	18.76	300	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL2 x104

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750208

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH050208C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL2 X104

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750208

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH050208C07

Level (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	470	U
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	70	J
218-01-9	Chrysene	88	J
117-81-7	bis(2-Ethylhexyl)phthalate	63	BJ
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	140	XJ
207-08-9	Benzo(k)fluoranthene	130	XJ
50-32-8	Benzo(a)pyrene	81	J
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenzo(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL2 X104

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750208

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH050208C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/29/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.93	17000	JAB
2.	UNKNOWN (BC)	4.08	210	JB
3.	UNKNOWN (BC)	4.72	550	JB
4.	UNKNOWN	5.21	98	J
5.	UNKNOWN	7.11	130	J
6.	UNKNOWN	14.97	240	J
7.	UNKNOWN	17.13	250	J
8.	UNKNOWN	21.68	820	J
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FORM I SV-TIC OLM03.0

1FA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL2
X104

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750208

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH050208C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 30 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/29/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	10.87	110	J
2.	UNKNOWN ALKANE	15.87	110	J
3.	UNKNOWN ALKANE	17.04	370	J
4.	UNKNOWN ALKANE	18.75	230	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL3 X105

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750209

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050209C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL3 X165

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750209

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050209C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
86-74-8	Carbazole	480	U
84-74-2	Di-n-butylphthalate	480	U
206-44-0	Fluoranthene	57	J
129-00-0	Pyrene	69	J
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	180	BJ
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	61	XJ
207-08-9	Benzo(k)fluoranthene	59	XJ
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenzo(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL3 X165

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750209

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050209C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL (BC)	3.92	16000	ABJ
2.		UNKNOWN (BC)	4.08	240	JB
3.		UNKNOWN (BC)	4.72	560	JB
4.		UNKNOWN	7.10	170	J
5.		UNKNOWN	12.92	110	J
6.		UNKNOWN ALCOHOL	14.97	230	J
7.		UNKNOWN	20.62	98	J
8.		UNKNOWN	21.68	700	J
9.		UNKNOWN	23.78	210	J
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FORM I SV-TIC OLM03.0

1FA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL3 X109

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750209

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050209C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	10.87	110	J
2.	UNKNOWN ALKANE	17.04	280	J
3.	UNKNOWN ALKANE	18.76	380	J
4.				
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750210

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050210B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 33 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)ether	490	U
95-57-8	2-Chlorophenol	490	U
541-73-1	1,3-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
95-50-1	1,2-Dichlorobenzene	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-di-n-propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
120-82-1	1,2,4-Trichlorobenzene	490	U
91-20-3	Naphthalene	490	U
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
59-50-7	4-Chloro-3-methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	490	U
208-96-8	Acenaphthylene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	490	U

FORM I SV-1 OLM03.0

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750210

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050210B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 33 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	490	U
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
86-73-7	Fluorene	490	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	52	J
120-12-7	Anthracene	490	U
86-74-8	Carbazole	490	U
84-74-2	Di-n-butylphthalate	490	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)anthracene	76	J
218-01-9	Chrysene	90	J
117-81-7	bis(2-Ethylhexyl)phthalate	50	JB
117-84-0	Di-n-octylphthalate	490	U
205-99-2	Benzo(b)fluoranthene	130	XJ
207-08-9	Benzo(k)fluoranthene	140	XJ
50-32-8	Benzo(a)pyrene	73	J
193-39-5	Indeno(1,2,3-cd)pyrene	54	J
53-70-3	Dibenzo(a,h)anthracene	490	U
191-24-2	Benzo(g,h,i)perylene	490	U

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750210

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050210B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 33 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.85	15000	JAB
2.	UNKNOWN (BC)	4.00	270	JB
3.	UNKNOWN (BC)	4.64	450	BJ
4.	CYCLOHEXENONE	4.83	120	J
5.	UNKNOWN	7.03	190	J
6.	LABORATORY ARTIFACT	14.37	290	J
7.	UNKNOWN	14.87	210	J
8.	UNKNOWN	16.96	200	J
9.	UNKNOWN	21.31	210	J
10.	UNKNOWN	21.37	160	J
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FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL5 X202

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 30.4 (g/mL) g Lab File ID: GH050211B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL5 N202

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 30.4 (g/mL) g Lab File ID: GH050211B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	470	U
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl)phthalate	470	U
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenzo(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL5 X202

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 30.4 (g/mL) g Lab File ID: GH050211BC7

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.85	14000	JAB
2.	UNKNOWN (BC)	3.99	270	JB
3.	UNKNOWN (BC)	4.64	380	JB
4.	UNKNOWN	7.03	98	J
5.	UNKNOWN	12.83	150	J
6.	UNKNOWN ALCOHOL	14.87	200	J
7.	UNKNOWN	16.97	130	J
8.	UNKNOWN	20.28	240	J
9.	UNKNOWN	21.31	180	J
10.	UNKNOWN	21.34	160	J
11.	UNKNOWN	21.38	120	J
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FORM I SV-TIC OLM03.0

1FA

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL5
X202

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 30.4 (g/mL) g Lab File ID: GH050211B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	15.76	98	J
2.	UNKNOWN ALKANE	16.89	120	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL6 X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GRD50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	4700	U
111-44-4	bis(2-Chloroethyl)ether	4700	U
95-57-8	2-Chlorophenol	4700	U
541-73-1	1,3-Dichlorobenzene	4700	U
106-46-7	1,4-Dichlorobenzene	4700	U
95-50-1	1,2-Dichlorobenzene	4700	U
95-48-7	2-Methylphenol	4700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4700	U
106-44-5	4-Methylphenol	4700	U
621-64-7	N-Nitroso-di-n-propylamine	4700	U
67-72-1	Hexachloroethane	4700	U
98-95-3	Nitrobenzene	4700	U
78-59-1	Isophorone	4700	U
88-75-5	2-Nitrophenol	4700	U
105-67-9	2,4-Dimethylphenol	4700	U
111-91-1	bis(2-Chloroethoxy)methane	4700	U
120-83-2	2,4-Dichlorophenol	4700	U
120-82-1	1,2,4-Trichlorobenzene	4700	U
91-20-3	Naphthalene	4700	U
106-47-8	4-Chloroaniline	4700	U
87-68-3	Hexachlorobutadiene	4700	U
59-50-7	4-Chloro-3-methylphenol	4700	U
91-57-6	2-Methylnaphthalene	4700	U
77-47-4	Hexachlorocyclopentadiene	4700	U
88-06-2	2,4,6-Trichlorophenol	4700	U
95-95-4	2,4,5-Trichlorophenol	12000	U
91-58-7	2-Chloronaphthalene	4700	U
88-74-4	2-Nitroaniline	12000	U
131-11-3	Dimethylphthalate	4700	U
208-96-8	Acenaphthylene	4700	U
606-20-2	2,6-Dinitrotoluene	4700	U
99-09-2	3-Nitroaniline	12000	U
83-32-9	Acenaphthene	790	J

FORM I SV-1 OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL6 X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GRD50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	12000	U
100-02-7	4-Nitrophenol	12000	U
132-64-9	Dibenzofuran	4700	U
121-14-2	2,4-Dinitrotoluene	4700	U
84-66-2	Diethylphthalate	610	J
7005-72-3	4-Chlorophenyl-phenylether	4700	U
86-73-7	Fluorene	930	J
100-01-6	4-Nitroaniline	12000	U
534-52-1	4,6-Dinitro-2-methylphenol	12000	U
86-30-6	N-nitrosodiphenylamine (1)	4700	U
101-55-3	4-Bromophenyl-phenylether	4700	U
118-74-1	Hexachlorobenzene	4700	U
87-86-5	Pentachlorophenol	12000	U
85-01-8	Phenanthrene	7700	
120-12-7	Anthracene	2400	J
86-74-8	Carbazole	480	J
84-74-2	Di-n-butylphthalate	6300	
206-44-0	Fluoranthene	13000	
129-00-0	Pyrene	11000	
85-68-7	Butylbenzylphthalate	1100	J
91-94-1	3,3'-Dichlorobenzidine	4700	U
56-55-3	Benzo(a)anthracene	6400	
218-01-9	Chrysene	5900	
117-81-7	bis(2-Ethylhexyl)phthalate	160000	E
117-84-0	Di-n-octylphthalate	1500	J
205-99-2	Benzo(b)fluoranthene	11000	X
207-08-9	Benzo(k)fluoranthene	12000	X
50-32-8	Benzo(a)pyrene	5400	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	J
53-70-3	Dibenzo(a,h)anthracene	4700	U
191-24-2	Benzo(g,h,i)perylene	1200	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL6 X2w3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GRD50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 38

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	5.98	50000	ABJ
2.	UNKNOWN	6.61	1000	J
3.	UNKNOWN	7.47	2800	J
4.	UNKNOWN	7.66	1100	J
5.	UNKNOWN	8.55	820	J
6.	UNKNOWN	8.81	2700	J
7.	UNKNOWN	8.88	1200	J
8.	UNKNOWN	9.08	590	J
9.	UNKNOWN	9.23	770	J
10.	UNKNOWN CARBOXYLIC ACID	13.56	970	J
11.	UNKNOWN	13.94	640	J
12.	UNKNOWN ALCOHOL	14.64	1300	J
13.	UNKNOWN CARBOXYLIC ACID	14.73	3200	J
14.	UNKNOWN PAH	15.01	2400	J
15.	SUBSTITUTED NAPHTHALENE	15.23	960	J
16.	UNKNOWN	15.32	2100	J
17.	UNKNOWN	15.72	1100	J
18.	LABORATORY ARTIFACT	16.13	4100	J
19.	LABORATORY ARTIFACT	16.40	3400	J
20.	LABORATORY ARTIFACT	16.44	11000	J
21.	BENZOFLUORENE	16.59	1600	J
22.	LABORATORY ARTIFACT	16.72	7300	J
23.	LABORATORY ARTIFACT	16.89	1700	J
24.	LABORATORY ARTIFACT	17.01	2300	BJ
25.	LABORATORY ARTIFACT	17.08	1700	J
26.	LABORATORY ARTIFACT	17.12	4700	J
27.	LABORATORY ARTIFACT	17.19	1300	J
28.	LABORATORY ARTIFACT	17.32	2000	J
29.	LABORATORY ARTIFACT	17.44	5600	J
30.	LABORATORY ARTIFACT	17.49	2900	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL6 X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GRD50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 38

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	17.58	3900	J
2.	UNKNOWN PAH	17.73	1000	J
3.	UNKNOWN	18.77	1200	J
4.	UNKNOWN PHTHALATE	18.95	2200	J
5.	UNKNOWN	19.19	3400	J
6.	UNKNOWN	19.41	11000	J
7.	UNKNOWN	21.00	2500	J
8.	BENZOPYRENE	21.72	3900	J
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FORM I SV-TIC OLM03.0

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL6 X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GRD50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	8.70	1000	J
2.	UNKNOWN ALKANE	9.62	440	J
3.	UNKNOWN ALKANE	13.22	1400	J
4.	UNKNOWN ALKANE	13.83	740	J
5.	UNKNOWN ALKANE	15.48	1000	J
6.	UNKNOWN ALKANE	20.86	14000	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL6DL
X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: G3D50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 75.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	59000	U
111-44-4	bis(2-Chloroethyl)ether	59000	U
95-57-8	2-Chlorophenol	59000	U
541-73-1	1,3-Dichlorobenzene	59000	U
106-46-7	1,4-Dichlorobenzene	59000	U
95-50-1	1,2-Dichlorobenzene	59000	U
95-48-7	2-Methylphenol	59000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	59000	U
106-44-5	4-Methylphenol	59000	U
621-64-7	N-Nitroso-di-n-propylamine	59000	U
67-72-1	Hexachloroethane	59000	U
98-95-3	Nitrobenzene	59000	U
78-59-1	Isophorone	59000	U
88-75-5	2-Nitrophenol	59000	U
105-67-9	2,4-Dimethylphenol	59000	U
111-91-1	bis(2-Chloroethoxy)methane	59000	U
120-83-2	2,4-Dichlorophenol	59000	U
120-82-1	1,2,4-Trichlorobenzene	59000	U
91-20-3	Naphthalene	59000	U
106-47-8	4-Chloroaniline	59000	U
87-68-3	Hexachlorobutadiene	59000	U
59-50-7	4-Chloro-3-methylphenol	59000	U
91-57-6	2-Methylnaphthalene	59000	U
77-47-4	Hexachlorocyclopentadiene	59000	U
88-06-2	2,4,6-Trichlorophenol	59000	U
95-95-4	2,4,5-Trichlorophenol	150000	U
91-58-7	2-Chloronaphthalene	59000	U
88-74-4	2-Nitroaniline	150000	U
131-11-3	Dimethylphthalate	59000	U
208-96-8	Acenaphthylene	59000	U
606-20-2	2,6-Dinitrotoluene	59000	U
99-09-2	3-Nitroaniline	150000	U
83-32-9	Acenaphthene	59000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL6DL
X203

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: G3D50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/31/95

Injection Volume: 2.0(uL) Dilution Factor: 75.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	150000	U
100-02-7	4-Nitrophenol	150000	U
132-64-9	Dibenzofuran	59000	U
121-14-2	2,4-Dinitrotoluene	59000	U
84-66-2	Diethylphthalate	59000	U
7005-72-3	4-Chlorophenyl-phenylether	59000	U
86-73-7	Fluorene	59000	U
100-01-6	4-Nitroaniline	150000	U
534-52-1	4,6-Dinitro-2-methylphenol	150000	U
86-30-6	N-nitrosodiphenylamine (1)	59000	U
101-55-3	4-Bromophenyl-phenylether	59000	U
118-74-1	Hexachlorobenzene	59000	U
87-86-5	Pentachlorophenol	150000	U
85-01-8	Phenanthrene	10000	DJ
120-12-7	Anthracene	59000	U
86-74-8	Carbazole	59000	U
84-74-2	Di-n-butylphthalate	8300	DJ
206-44-0	Fluoranthene	17000	DJ
129-00-0	Pyrene	14000	DJ
85-68-7	Butylbenzylphthalate	59000	U
91-94-1	3,3'-Dichlorobenzidine	59000	U
56-55-3	Benzo(a)anthracene	8500	DJ
218-01-9	Chrysene	7100	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	340000	D
117-84-0	Di-n-octylphthalate	59000	U
205-99-2	Benzo(b)fluoranthene	13000	DXJ
207-08-9	Benzo(k)fluoranthene	14000	DXJ
50-32-8	Benzo(a)pyrene	6000	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	59000	U
53-70-3	Dibenzo(a,h)anthracene	59000	U
191-24-2	Benzo(g,h,i)perylene	59000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL6DL

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.0 (g/mL) g Lab File ID: G3D50212A21

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 58 decanted: (Y/N) N Date Extracted: 08/28/95

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/31/95

Injection Volume: 2.0 (uL) Dilution Factor: 75.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	5.95	54000	ABJD
2.	LABORATORY ARTIFACT	16.42	24000	JD
3.	LABORATORY ARTIFACT	16.70	14000	JD
4.	LABORATORY ARTIFACT	16.93	13000	BJD
5.	LABORATORY ARTIFACT	17.10	10000	JD
6.	LABORATORY ARTIFACT	17.42	12000	JD
7.	LABORATORY ARTIFACT	17.48	6700	JD
8.	UNKNOWN	17.58	6600	JD
9.	UNKNOWN	19.38	26000	JD
10.	UNKNOWN	20.03	3500	JD
11.	UNKNOWN	20.82	13000	JD
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL7
X204

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050213B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 39 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
95-50-1	1,2-Dichlorobenzene	540	U
95-48-7	2-Methylphenol	540	U
108-60-1	2,2'-oxybis(1-Chloropropane)	540	U
106-44-5	4-Methylphenol	540	U
621-64-7	N-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	63	J
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	540	U

JW 9/6 7/6

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL7
X204

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050213B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 39 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
86-73-7	Fluorene	540	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-nitrosodiphenylamine (1)	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	540	U
86-74-8	Carbazole	540	U
84-74-2	Di-n-butylphthalate	570	
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
56-55-3	Benzo(a)anthracene	210	J
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)phthalate	76	JB
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo(b)fluoranthene	330	JX
207-08-9	Benzo(k)fluoranthene	380	JX
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo(a,h)anthracene	540	U
191-24-2	Benzo(g,h,i)perylene	93	J

CEE 9/6/95

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL7 X204

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050213B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 39 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	3.93	47000	JAB
2.	UNKNOWN (BC)	4.00	360	JB
3.	UNKNOWN ALCOHOL (BC)	4.32	120	JB
4.	UNKNOWN (BC)	4.64	1900	JB
5.	CYCLOHEXENONE	4.84	170	J
6.	UNKNOWN (BC)	5.37	160	JB
7.	UNKNOWN	7.03	220	J
8. 57-10-3	HEXADECANOIC ACID	12.25	120	NJ
9.	UNKNOWN	12.83	350	J
10.	LABORATORY ARTIFACT	13.56	120	J
11.	LABORATORY ARTIFACT	13.65	970	J
12.	LABORATORY ARTIFACT	13.87	520	J
13.	LABORATORY ARTIFACT	13.92	1100	J
14.	LABORATORY ARTIFACT	14.17	260	J
15.	UNKNOWN	14.87	330	J
16.	UNKNOWN	15.76	220	J
17.	UNKNOWN	16.37	110	J
18.	UNKNOWN	16.93	300	J
19.	BENZOPYRENE	17.05	220	J
20.	UNKNOWN	18.54	170	J
21.	UNKNOWN	18.97	280	J
22.	UNKNOWN	18.99	270	J
23.	UNKNOWN	21.33	130	J
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1FA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL7
X204

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GJ050213B07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 39 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	10.77	200	J
2.		UNKNOWN ALKANE	16.89	330	J
3.					
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FORM I SV-TIC OLM03.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL8 X205

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050214C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 52 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	680	U
111-44-4	bis(2-Chloroethyl)ether	680	U
95-57-8	2-Chlorophenol	680	U
541-73-1	1,3-Dichlorobenzene	680	U
106-46-7	1,4-Dichlorobenzene	680	U
95-50-1	1,2-Dichlorobenzene	680	U
95-48-7	2-Methylphenol	680	U
108-60-1	2,2'-oxybis(1-Chloropropane)	680	U
106-44-5	4-Methylphenol	680	U
621-64-7	N-Nitroso-di-n-propylamine	680	U
67-72-1	Hexachloroethane	680	U
98-95-3	Nitrobenzene	680	U
78-59-1	Isophorone	680	U
88-75-5	2-Nitrophenol	680	U
105-67-9	2,4-Dimethylphenol	680	U
111-91-1	bis(2-Chloroethoxy)methane	680	U
120-83-2	2,4-Dichlorophenol	680	U
120-82-1	1,2,4-Trichlorobenzene	680	U
91-20-3	Naphthalene	680	U
106-47-8	4-Chloroaniline	680	U
87-68-3	Hexachlorobutadiene	680	U
59-50-7	4-Chloro-3-methylphenol	680	U
91-57-6	2-Methylnaphthalene	680	U
77-47-4	Hexachlorocyclopentadiene	680	U
88-06-2	2,4,6-Trichlorophenol	680	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	680	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	680	U
208-96-8	Acenaphthylene	680	U
606-20-2	2,6-Dinitrotoluene	680	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	680	U

FORM I SV-1 OLM03.0

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL8 X205

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case.No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050214C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 52 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	680	U
121-14-2	2,4-Dinitrotoluene	680	U
84-66-2	Diethylphthalate	680	U
7005-72-3	4-Chlorophenyl-phenylether	680	U
86-73-7	Fluorene	680	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-nitrosodiphenylamine (1)	680	U
101-55-3	4-Bromophenyl-phenylether	680	U
118-74-1	Hexachlorobenzene	680	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	680	U
86-74-8	Carbazole	680	U
84-74-2	Di-n-butylphthalate	200	J
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	680	U
91-94-1	3,3'-Dichlorobenzidine	680	U
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	74	JB
117-84-0	Di-n-octylphthalate	680	U
205-99-2	Benzo(b)fluoranthene	200	JX
207-08-9	Benzo(k)fluoranthene	190	JX
50-32-8	Benzo(a)pyrene	99	J
193-39-5	Indeno(1,2,3-cd)pyrene	680	U
53-70-3	Dibenzo(a,h)anthracene	680	U
191-24-2	Benzo(g,h,i)perylene	680	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAPL8 X205

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050214C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 52 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.00	48000	JAB
2.	UNKNOWN (BC)	4.09	420	JB
3.	UNKNOWN ALCOHOL (BC)	4.40	160	JB
4.	UNKNOWN (BC)	4.73	2400	JB
5.	CYCLOHEXENONE	4.92	190	J
6.	UNKNOWN (BC)	5.46	300	JB
7.	UNKNOWN	7.11	180	J
8.	LABORATORY ARTIFACT	13.66	250	J
9.	LABORATORY ARTIFACT	13.75	3200	J
10.	LABORATORY ARTIFACT	13.98	1500	J
11.	LABORATORY ARTIFACT	14.02	5200	J
12.	BENZOFLUORENE	14.06	150	J
13.	LABORATORY ARTIFACT	14.28	1500	J
14.	LABORATORY ARTIFACT	14.53	220	J
15.	LABORATORY ARTIFACT	14.58	150	J
16.	LABORATORY ARTIFACT	14.62	390	J
17.	UNKNOWN	14.82	380	J
18.	LABORATORY ARTIFACT	14.88	240	J
19.	LABORATORY ARTIFACT	14.91	160	J
20.	UNKNOWN ALCOHOL	14.97	240	J
21.	UNKNOWN	17.12	210	J
22.	UNKNOWN	18.77	170	J
23.	UNKNOWN	19.24	260	J
24.	UNKNOWN	21.68	850	J
25.	UNKNOWN	21.85	360	J
26.	UNKNOWN	22.40	160	J
27.	UNKNOWN	22.42	190	J
28.				
29.				
30.				

FORM I SV-TIC OLM03.0

1FA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.

EAPL8 X205

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH050214C07

Level: (low/med) LOW Date Received: 08/24/95

% Moisture: 52 decanted: (Y/N) N Date Extracted: 08/25/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/29/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	10.88	150	J
2.		UNKNOWN ALKANE	15.87	140	J
3.		UNKNOWN ALKANE	17.04	510	J
4.					
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FORM I SV-TIC OLM03.0

2F
SOIL PESTICIDE SURROGATE RECOVERY

Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

GC Column (1): RTX-1701 ID: 0.53 (mm) GC Column (2): DB-608 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK73	78	82	86	92			0
02	EAPK9MS	75	91	73	87			0
03	EAPK9MSD	74	86	72	87			0
04	EAPK9	78	92	88	84			0
05	EAPL2	79	87	76	90			0
06	EAPL3	78	90	88	100			0
07	EAPL4	80	76	78	82			0
08	EAPL5	66	79	88	97			0
09	EAPL6	100	71	150	26*			1
10	EAPL6DL	90D	100D	97D	400D			0
11	EAPL7	68	88	120	0*			1
12	EAPL8	55	66	69	78			0
13	EAPL0	66	78	80	83			0
14	EAPL1	75	86	84	91			0
15	PBLK74	80	78	92	92			0
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

FORM II PEST-1 OLM03.0

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix Spike - EPA Sample No.: EAPK9

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	20.058	0.00	13	65	46-127
Heptachlor	20.058	0.00	14	70	35-130
Aldrin	20.058	0.87	15	70	34-132
Dieldrin	40.116	0.00	27	67	31-134
Endrin	40.116	0.56	28	68	42-139
4,4'-DDT	40.116	8.6	35	66	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	20.058	12	60	8	50	46-127
Heptachlor	20.058	15	75	7	31	35-130
Aldrin	20.058	15	70	0	43	34-132
Dieldrin	40.116	27	67	0	38	31-134
Endrin	40.116	29	71	4	45	42-139
4,4'-DDT	40.116	36	68	3	50	23-134

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: 0 out of 12 outside limits

COMMENTS:

FORM III PEST-2 OLM03.0

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK73

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Lab Sample ID: 750580 Lab File ID: PC050580A07

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 08/25/95

Date Analyzed (1): 09/01/95 Date Analyzed (2): 09/01/95

Time Analyzed (1): 0037 Time Analyzed (2): 0037

Instrument ID (1): VARIAN09 Instrument ID (2): VARIAN08

GC Column (1): RTX-1701 ID: 0.53 (mm) GC Column (2): DB-608 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EAPK9MS	750205	09/01/95	09/01/95
02	EAPK9MSD	750204	09/01/95	09/01/95
03	EAPK9	750197	09/01/95	09/01/95
04	EAPL2	750208	09/01/95	09/01/95
05	EAPL3	750209	09/01/95	09/01/95
06	EAPL4	750210	09/01/95	09/01/95
07	EAPL5	750211	09/01/95	09/01/95
08	EAPL6	750212	09/01/95	09/01/95
09	EAPL7	750213	09/01/95	09/01/95
10	EAPL8	750214	09/01/95	09/01/95
11	EAPL0	750206	09/01/95	09/01/95
12	EAPL1	750207	09/01/95	09/01/95
13				
14				
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Comments:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK74

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Lab Sample ID: 750580 R1 Lab File ID: PC050580A07

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 08/25/95

Date Analyzed (1): 09/06/95 Date Analyzed (2): 09/06/95

Time Analyzed (1): 0918 Time Analyzed (2): 0918

Instrument ID (1): VARIAN02 Instrument ID (2): VARIAN03

GC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): RTX-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EAPL6DL	750212 D50	09/06/95	09/06/95
02				
03				
04				
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07				
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Comments:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK73

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750580

Sample wt/vol: 30.2 (g/ml) G Lab File ID: PC050580A07

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	2.5	J
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK74

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750580 R1

Sample wt/vol: 30.2 (g/ml) G Lab File ID: PC050580A07

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	1.3	JP
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

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EPA SAMPLE NO.

EAPK9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750197

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

% Moisture: 18 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.066	JP
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	0.87	JP
1024-57-3	Heptachlor epoxide	2.8	P
959-98-8	Endosulfan I	0.14	JP
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	9.7	
72-20-8	Endrin	0.56	JP
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	0.88	JP
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	8.6	
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.15	JP
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	0.62	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

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EPA SAMPLE NO.

EAPL0

La. Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750206

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

% Moisture: 19 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

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	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	0.11	JP
1024-57-3	Heptachlor epoxide	0.51	JP
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	2.8	JP
72-55-9	4,4'-DDE	2.5	J
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	3.9	JPB
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	0.89	JP
5103-74-2	gamma-Chlordane	0.30	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	32	J

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EPA SAMPLE NO.

EAPL1

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750207

Sample wt/vol: 30.5 (g/ml) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	0.18	JP
1024-57-3	Heptachlor epoxide	0.56	JP
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.9	P
72-55-9	4,4'-DDE	4.8	P
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	2.9	JP
72-43-5	Methoxychlor	2.3	JBP
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	1.9	JP
5103-74-2	gamma-Chlordane	0.72	JP
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	29	J

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EPA SAMPLE NO.

EAPL2

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750208

Sample wt/vol: 30.1 (g/ml) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	0.18	JP
1024-57-3	Heptachlor epoxide	0.42	JP
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.9	P
72-55-9	4,4'-DDE	4.8	P
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	0.18	JP
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	3.5	JP
72-43-5	Methoxychlor	1.9	JPB
53494-70-5	Endrin ketone	4.7	U
7421-93-4	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	1.2	JP
5103-74-2	gamma-Chlordane	0.70	JP
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

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EPA SAMPLE NO.

EAPL3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750209

Sample wt/vol: 30.5 (g/ml) G Lab File ID:

% Moisture: 32 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	0.20	JP
1024-57-3	Heptachlor epoxide	0.35	JP
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	5.0	P
72-55-9	4,4'-DDE	4.2	JP
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	U
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	4.8	U
72-43-5	Methoxychlor	5.9	JPB
53494-70-5	Endrin ketone	4.8	U
7421-93-4	Endrin aldehyde	0.50	JP
5103-71-9	alpha-Chlordane	1.8	J
5103-74-2	gamma-Chlordane	0.98	JP
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	53	

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EPA SAMPLE NO.

EAPL4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750210

Sample wt/vol: 30.4 (g/ml) G Lab File ID:

% Moisture: 33 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	0.13	JP
1024-57-3	Heptachlor epoxide	0.42	JP
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	3.0	JP
72-55-9	4,4'-DDE	3.2	JP
72-20-8	Endrin	4.9	U
33213-65-9	Endosulfan II	4.9	U
72-54-8	4,4'-DDD	2.6	JP
1031-07-8	Endosulfan sulfate	4.9	U
50-29-3	4,4'-DDT	2.0	JP
72-43-5	Methoxychlor	4.8	JPB
53494-70-5	Endrin ketone	4.9	U
7421-93-4	Endrin aldehyde	4.9	U
5103-71-9	alpha-Chlordane	2.3	J
5103-74-2	gamma-Chlordane	1.1	JP
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	49	U
11104-28-2	Aroclor-1221	99	U
11141-16-5	Aroclor-1232	49	U
53469-21-9	Aroclor-1242	49	U
12672-29-6	Aroclor-1248	49	U
11097-69-1	Aroclor-1254	49	U
11096-82-5	Aroclor-1260	49	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750211

Sample wt/vol: 30.4 (g/ml) G Lab File ID:

% Moisture: 31 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	0.62	JP
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	0.63	JP
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	0.19	JP
72-43-5	Methoxychlor	4.0	JB
53494-70-5	Endrin ketone	4.7	U
7421-93-4	Endrin aldehyde	0.43	J
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	24	J

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EPA SAMPLE NO.

EAPL6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212

Sample wt/vol: 30.2 (g/ml) G Lab File ID: PC050212A07

% Moisture: 58 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	JP
319-85-7	beta-BHC	4.0	U
319-86-8	delta-BHC	4.0	U
58-89-9	gamma-BHC (Lindane)	4.0	U
76-44-8	Heptachlor	4.0	U
309-00-2	Aldrin	4.0	U
1024-57-3	Heptachlor epoxide	4.0	U
959-98-8	Endosulfan I	4.0	U
60-57-1	Dieldrin	1.8	JP
72-55-9	4,4'-DDE	6.9	JP
72-20-8	Endrin	7.8	U
33213-65-9	Endosulfan II	7.8	U
72-54-8	4,4'-DDD	7.8	U
1031-07-8	Endosulfan sulfate	2.2	JP
50-29-3	4,4'-DDT	7.8	U
72-43-5	Methoxychlor	240	PB
53494-70-5	Endrin ketone	7.8	U
7421-93-4	Endrin aldehyde	290	E
5103-71-9	alpha-Chlordane	42	
5103-74-2	gamma-Chlordane	33	P
8001-35-2	Toxaphene	400	U
12674-11-2	Aroclor-1016	78	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	78	U
53469-21-9	Aroclor-1242	78	U
12672-29-6	Aroclor-1248	78	U
11097-69-1	Aroclor-1254	78	U
11096-82-5	Aroclor-1260	5000	C

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL6DL

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750212 D50

Sample wt/vol: 30.2 (g/ml) G Lab File ID: PC050212A07

% Moisture: 58 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 5

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	7.9	JPD
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	1.4	JPD
76-44-8	Heptachlor	1.6	JPD
309-00-2	Aldrin	2.6	JPD
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	5.5	JPD
72-55-9	4,4'-DDE	67	PD
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	130	D
72-43-5	Methoxychlor	230	PBD
53494-70-5	Endrin ketone	55	PD
7421-93-4	Endrin aldehyde	270	PD
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	12	JPD
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	790	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	4900	CD

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EPA SAMPLE NO.

EAPL7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750213

Sample wt/vol: 30.1 (g/ml) G Lab File ID:

% Moisture: 39 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.4	P
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	3.6	J
72-55-9	4,4'-DDE	3.2	J
72-20-8	Endrin	5.4	U
33213-65-9	Endosulfan II	5.4	U
72-54-8	4,4'-DDD	5.4	U
1031-07-8	Endosulfan sulfate	5.4	U
50-29-3	4,4'-DDT	2.4	JP
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.4	U
7421-93-4	Endrin aldehyde	5.4	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	1.3	JP
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	54	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	54	U
11096-82-5	Aroclor-1260	54	U

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAPL8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23950 SAS No.: SDG No.: EAPK9

Matrix: (soil/water) SOIL Lab Sample ID: 750214

Sample wt/vol: 30.3 (g/ml) G Lab File ID:

% Moisture: 52 decanted: (Y/N) N Date Received: 08/24/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/25/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 09/01/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.5	U
319-85-7	beta-BHC	3.5	U
319-86-8	delta-BHC	3.5	U
58-89-9	gamma-BHC (Lindane)	3.5	U
76-44-8	Heptachlor	3.5	U
309-00-2	Aldrin	3.5	U
1024-57-3	Heptachlor epoxide	3.5	U
959-98-8	Endosulfan I	3.5	U
60-57-1	Dieldrin	2.2	JP
72-55-9	4,4'-DDE	3.5	JP
72-20-8	Endrin	6.8	U
33213-65-9	Endosulfan II	6.8	U
72-54-8	4,4'-DDD	6.8	U
1031-07-8	Endosulfan sulfate	6.8	U
50-29-3	4,4'-DDT	6.8	U
72-43-5	Methoxychlor	4.3	J
53494-70-5	Endrin ketone	6.8	U
7421-93-4	Endrin aldehyde	6.8	U
5103-71-9	alpha-Chlordane	1.4	JP
5103-74-2	gamma-Chlordane	1.2	JP
8001-35-2	Toxaphene	350	U
12674-11-2	Aroclor-1016	68	U
11104-28-2	Aroclor-1221	140	U
11141-16-5	Aroclor-1232	68	U
53469-21-9	Aroclor-1242	68	U
12672-29-6	Aroclor-1248	68	U
11097-69-1	Aroclor-1254	68	U
11096-82-5	Aroclor-1260	58	J

FORM I PEST OLM03.0

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: IL

Case No: 23950 Site Name Location: Matheson Prod

Contractor or EPA Lab: Compuchem Data User: IEPA

No. of Samples: 10 Date Sampled or Data Received: 9-13-95

Have Chain-of-Custody records been received? Yes ✓ No ___
Have traffic reports or packing lists been received? Yes ✓ No ___
If no, are traffic report or packing list numbers written on the ch
of-custody record? Yes ✓ No ___
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____

_____ _____ _____ _____

Are basic data forms in? Yes ✓ No ___
No of samples claimed: 10 No. of samples received: 10

Received by: Lynette Burnett Date: 9-13-95

Received by LSSS: _____ Date: _____

Review started: _____ Reviewer Signature: _____

Total time spent on review: _____ Date review completed: _____

Copied by: Patricia J. Scott Date: 09/14/95

Mailed to user by: _____ Date: _____

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ i
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ i
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ i
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ i

PROBLEMS: Please indicate reasons why data are not suitable f
uses.

Received by Data Mgmt. Coordinator for Files. Data: _____

Matheson Gas

EPA United States Environmental Protection Agency
Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 23950

1. Project Code	Account Code	2. Region No.: I	Sampling Co.: IEPA	4. Date Shipped: 8/23/95	Carrier: Fed. Express
Regional Information: TFA-102		Sampler (Name): Mark Wagner		Airbill Number: 4411393 3812	
Non-Superfund Program		Sampler Signature: Mark Wagner		5. Ship To: Chemtech, 110 Rt 4, Englewood NJ 07631	
Site Name: Matheson Gas		3. Purpose* Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, X SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD		ATTN: Divya Mehta	
City, State: Joliet, IL	Site Spill ID: ZZ				

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (specify in Column D) N. Not preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 7) Other:	E – RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank, S = Spike, D = Duplicate, R = Rinsate, PE = Perform. Eval., — = Not a QC Sample)
MEADY 7	2	L	G			X						5-003160	G101	8/23/95-945	EAPL9	MW	D-MEADY8
MEADY 7	2	L	G				X					5-003161	G101	8/23/95-945	"	MW	D "
MEADY8	2	L	G			X						5-003162	G102	8/23/95-945	EAPM0	MW	D-MEADY7
MEADY8	2	L	G				X					5-003164	G102	8/23/95-945	"	MW	D - "
MEADY9	2	L	G			X						5-003165	G103	8/23/95-1100	EAAZ8	MW	—
MEADY9	2	L	G			X						5-003166	G103	8/23/95-1100	"	MW	—
MEADY9	2	L	G			X						5-003167	G103	8/23/95-1100	"	MW	—
MEADY9	2	L	G				X					5-003168	G103	8/23/95-1100	"	MW	—
MEADY9	2	L	G				X					5-003169	G103	8/23/95-1100	"	MW	—
MEADY9	2	L	G				X					5-003170	G103	8/23/95-1100	"	MW	—

Shipment for Case Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of	MEADY9	Kimberly Hubbard	41867 - 41868

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Wagner	8/23/95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

121-0112-5 REV. 3/93

DISTRIBU: Green - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to

EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INS ... CTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIO

362289

EPA United States Environmental Protection Agency Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 234 0

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 8/23/95
Carrier: Federal Express

Regional Information: TFA-102
Sampler (Name): Mark Wagner
Airbill Number: 4413933812

Non-Superfund Program
Sampler Signature: [signature]
5. Ship To: Chemtech Consulting Group, 110 Route 4, Englewood, NJ 07631
ATTN: Divya Mehta

Site Name: Matheson Gas
3. Purpose: Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI (X), ESI; Long-Term Action: FS, RD, RA, O&M, NPLD

City, State: Joliet, IL
Site Spill ID: EE

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (specify in Column D) N. Not preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 7) Other:	E – RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
MEAET7	5	L	G	6		X	X					5-009307	X101	8/22/95-1700	EAPK9	MW	—
MEAET8	5	L	G	6		X	X					5-009308	X102	8/22/95-1600	EAPL0	MW	—
MEAET9	5	L	G	6		X	X					5-009309	X103	8/22/95-1515	EAPL1	MW	D-MEAET8
MEAEL8	5	L	G	6		X	X					5-009310	X104	8/22/95-1515	EAPL2	MW	D-MEAET9
MEAEL9	5	L	G	6		X	X					5-009311	X105	8/22/95-1530	EAPL3	MW	—
MEAEM0	5	L	G	6		X	X					5-009312	X201	8/22/95-1430	EAPL4	MW	—
MEAEL5	5	L	G	6		X	X					5-009526	X202	8/22/95-1315	EAPL5	MW	—
MEAEL6	5	L	G	6		X	X					5-009527	X203	8/22/95-1300	EAPL6	MW	—
MEAEL7	5	L	G	6		X	X					5-009528	X204	8/22/95-1215	EAPL7	MW	—
MEAEL2	5	L	G	6		X	X					5-009529	X205	8/22/95-1200	EAPL8	MW	—

Shipment for Case Complete? (Y/N): Y
Page 1 of 1
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures: Lynbelle Hubbard
Chain of Custody Seal Number(s): 45112/45113

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	8-23-95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

A21-012-5 REV. 3/93

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EPA Form 9110-1

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EPA United States Environmental Protection Agency Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 23950

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 8-23-95
Carrier: Fed Ex

Regional Information: TFA-102
Sampler (Name): Mark Wagner
Airbill Number: 4413933823

Non-Superfund Program
Sampler Signature: [signature]
5. Ship To: Compuchem, 3306 E Chapel Hill, Research Triangle Park, NC 27709-4448
ATTN: Richard Blum

Site Name: Matheson Gas
3. Purpose*: Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI (X), ESI; Long-Term Action: FS, RD, RA, O&M, NPLD

City, State: Joliet, IL
Site Spill ID: ZZ

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 7) / Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only: ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
EAPL9	2	L	G	1	X				5-009530-31	G101	8-23-95-945	MEADY7	MW	D-EAPMA
"	2	L	G	5		X			5-009534	G101	8-23-95-945	"	MW	D- "
"	2	L	G	5			X		5-009535	G101	8-23-95-945	"	MW	D- "
EAPMA	2	L	G	1	X				5-009536-37	G102	8-23-95-945	MEADY8	MW	D-EAPL9
"	2	L	G	5		X			5-009538	G102	8-23-95-945	"	MW	D- "
"	2	L	G	5			X		5-009539	G102	8-23-95-945	"	MW	D- "

Shipment for Case Complete? (Y/N): Y
Page: 1 of 1
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 41861 - 41862

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Wagner	8-23-95 / 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

A21-012-3 REV. 3/93

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EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

262826

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable):
Case No.: 23950

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 8-23-95
Carrier: Fed Ex

Regional Information: TFA-102
Sampler (Name): Mark Wagner
Airbill Number: 4413933823

Non-Superfund Program:
Sampler Signature: [signature]
5. Ship To: Compuchem, Chapel Hill, Research Triangle, ATTN: Richard Bloom

Site Name: Matheson Gas
3. Purpose: Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI (X), ESI; Long-Term Action: FS, RD, RA, O&M, NPLD

City, State: Joliet IL
Site Spill ID: 22

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved

I CLP Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 7) / Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank, S = Spike, D = Duplicate, R = Rinsate, PE = Perform. Eval., — = Not a QC Sample)
EAAZ8	2	L	G	1	X				5-009540 5-009292 5-009294-95 96-97	G103	8/23/95-1100	MEADY-9	MW	—
"	2	L	G	5		X			5-009299 5-009201	G103	8/23/95-1100	"	MW	—
"	2	L	G	5			X		5-009298 5-009[illegible]	G103	8/23/95-1100	"	MW	—
EABF0	2	L	G	1	X				5-179812-13	G105	8/23/95-1200	—	MW	B
EAAZ8	2	L	G	5		X			5-009202	G103	8/23/95-1100	MEADY-9	MW	—
EAAZ8	2	L	G	5			X		5-009203	G103	8/23/95-1100	"	MW	—
EAAZ9	2	L	G	5		X			5-179803	G104	8/23/95-1145	EAAZ9	MW	B
"	2	L	G	5			X		5-179801	G104	8/23/95-1145	—	MW	B
				1	X				5-[illegible]000 5-179802	G104	8/23/95-1145	—	MW	B

Shipment for Case Complete? (Y/N): Y
Page 1 of 1
Sample(s) to be Used for Laboratory QC: ~~EAAZ9~~ P.S. ~~EABF0~~ P.S. EAAZ8
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 41863 / 41864
of the cooler → 41865 - 41866

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	8-23-95 / 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

A21-012-3 REV. 3/93

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EPA Form 9110-2

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 23950

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		V	IEPA	8/23/95	Fed Express

Regional Information: TFA-102

Sampler (Name): Mark Wagner

Airbill Number: 4413933823

Non-Superfund Program

Sampler Signature: Mark Wagner

5. Ship To: CompuChem Environmental Corp. 3306 East Chapel Hill / Nelson Pkwy Research Triangle Park, NC 27709-4538 ATTN: Richard Bloom

Site Name: Mathison Gas

City, State: Joliet, IL

Site Spill ID: 22

3. Purpose*

Lead: [ ] SF [ ] PRP [ ] ST [ ] FED

Early Action: [ ] CLEM [ ] PA [ ] REM [ ] RI [X] SI [ ] ESI

Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
EAPK9	S	L	G	S	X				5-009197-98	X101	8/22/95-1700	MEAET7	MW	—
EAPK9	S	L	G	S		X	X		5-009199	X101	8/22/95-1700	MEAET7	MW	—
EAPL0	S	L	G	S	X				5-009200-04	X102	8/22/95-1600	MEAET8	MW	—
EAPL0	S	L	G	S		X	X		5-009630	X102	8/22/95-1600	MEAET8	MW	—
EAPL1	S	L	G	S	X				5-009631-32	X103	8/22/95-1515	MEAET9	MW	D-EAPL2
EAPL1	S	L	G	S		X	X		5-009633	X103	8/22/95-1515	MEAET9	MW	"
EAPL2	S	L	G	S	X				KH 8/22/95 ~~5-009205~~ 5-009204	X104	8/22/95-1515	MEAEL8	MW	D-EAPL1
EAPL2	S	L	G	S		X	X		5-009205	X104	8/22/95-1515	MEAEL8	MW	"
EAPL3	S	L	G	S	X				5-009413-53	X105	8/22/95-1530	MEAEL9	MW	—
EAPL3	S	L	G	S		X	X		5-009452	X105	8/22/95-1530	MEAEL9	MW	—

Shipment for Case Complete? (Y/N): Y

Page 1 of 2

Sample(s) to be Used for Laboratory QC:

Additional Sampler Signatures: Kimberlee Hubbert

Chain of Custody Seal Number(s): 45250 / 157990

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Wagner	8/23/95 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - SMO Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

421-012-3 REV. 3/93

362834

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 23950

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 8/23/95
Carrier: Federal Express

Regional Information: TFA 102
Sampler (Name): Mark Wagner
Airbill Number: 4413933823

Non-Superfund Program:
Sampler Signature:
5. Ship To: CompuChem Environmental Corp. 3306 East Chapel Hill/Nelson Hwy. Research Triangle Park, NC 27709-4498
ATTN: Richard Bloom

Site Name: Matheson Gas
3. Purpose*: Lead [ ] SF [ ] PRP [ ] ST [ ] FED; Early Action [ ] CLEM [ ] PA [ ] REM [ ] RI [X] SI [ ] ESI; Long-Term Action [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

City, State: Olivet IL
Site Spill ID: ZZ

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 7) Other:	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval — = Not a QC Sample)
EAPL4	5	L	G	5	X				5-009414-15	X201	8/22/95-1430	MEAEMP	MW	—
EAPL4	5	L	G	5		X	X		5-009417	X201	8/22/95-1430	MEAEMP	MW	—
EAPL5	5	L	G	5	X				5-009418-19	X202	8/22/95-1335	MEAEL5	MW	—
EAPL5	5	L	G	5		X	X		5-009420	X202	8/22/95-1335	MEAEL5	MW	—
EAPL6	5	L	G	5	X				5-009421-9273	X203	8/22/95-1300	MEAEL6	MW	—
EAPL6	5	L	G	5		X	X		5-009274	X203	8/22/95-1300	MEAEL6	MW	—
EAPL7	5	L	G	5	X				5-009301-02	X204	8/22/95-1215	MEAEL7	MW	—
EAPL7	5	L	G	5		X	X		5-009303	X204	8/22/95-1215	MEAEL7	MW	—
EAPL8	5	L	G	5	X				5-009304-05	X205	8/22/95-1200	MEAEL2	MW	—
EAPL8	5	L	G	5		X	X		5-009306	X205	8/22/95-1200	MEAEL2	MW	—

Shipment for Case Complete? (Y/N): Y
Page: 2 of 2
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures: Kimberlee Stubbart
Chain of Custody Seal Number(s): 45290/157990

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