Site Team Evaluation Prioritization

Diamond Scrap Yard
Waukegan, Lake County
0971905176
ILO001093509
SF / HRS

9/14/99

CERCLA

Analytical Results

EPA Region 5 Records Ctr.
311250

Illinois Environmental Protection Agency

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

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: IL/22

Case No: 26925 Site Name Location: Diamond Scrap Yard

Contractor or EPA Lab: AATS Data User: IEPA

No. of Samples: 3 Date Sampled or Data Received: 5/27/99

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: 5-27-99

Received by LSSS: Lynette Burnett Date: 5-27-99

Review started: 6-8-99 Reviewer Signature: M Kane

Total time spent on review: 9 Date review completed: 6/9/99

Copied by: Lynette Burnett Date: 6-16-99

Mailed to user by: Lynette Burnett Date: 6-16-99

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

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

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

Analytical Results (Qualified Data) Page 2 of _

Case #: 26925 SDG: EBWB6
Site: DIAMOND SCRAP YARD Number of Soil Samples : 0
Lab. : AATSLA Number of Water Samples : 2
Reviewer:
Date:

Sample Number:	EBDX4		EBDX4MS		EBDX4MSD		EBWB5		PBLK1	
Sampling Location:	G103		G103		G103		FB			
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/14/99			
Time Sampled:	12:15		12:15		12:15		12:30			
%Moisture:										
PH:	7		7		7		7		7	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
beta-BHC	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
delta-BHC	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
gamma-BHC (Lindane)	0.050	R	0.30	J	0.29	J	0.050	R	0.050	U
Heptachlor	0.050	R	0.21	J	0.22	J	0.050	R	0.050	U
Aldrin	0.050	R	0.12	J	0.12	J	0.050	R	0.050	U
Heptachlor Epoxide	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
Endosulfan I	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
Dieldrin	0.10	R	0.61	J	0.62	J	0.10	R	0.10	U
4,4'-DDE	0.10	R	0.10	R	0.10	R	0.10	R	0.10	U
Endrin	0.10	R	0.72	J	0.74	J	0.10	R	0.10	U
Endosulfan II	0.10	R	0.10	R	0.10	R	0.10	R	0.10	U
4,4'-DDD	0.10	R	0.10	R	0.10	R	0.10	R	0.10	U
Endosulfan Sulfate	0.10	R	0.10	R	0.10	R	0.10	R	0.10	U
4,4'-DDT	0.10	R	0.43	J	0.47	J	0.10	R	0.082	J
Methoxychlor	0.50	R	0.50	R	0.50	R	0.50	R	0.50	U
Endrin Ketone	0.10	R	0.10	R	0.10	R	0.10	R	0.10	U
Endrin Aldehyde	0.10	R	0.10	R	0.10	R	0.10	R	0.068	J
alpha-Chlordane	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
gamma-Chlordane	0.050	R	0.050	R	0.050	R	0.050	R	0.050	U
Toxaphene	5.0	R	5.0	R	5.0	R	5.0	R	5.0	U
Aroclor-1016	1.0	R	1.0	R	1.0	R	1.0	R	1.0	U
Aroclor-1221	2.0	R	2.0	R	2.0	R	2.0	R	2.0	U
Aroclor-1232	1.0	R	1.0	R	1.0	R	1.0	R	1.0	U
Aroclor-1242	1.0	R	1.0	R	1.0	R	1.0	R	1.0	U
Aroclor-1248	1.0	R	1.0	R	1.0	R	1.0	R	1.0	U
Aroclor-1254	1.0	R	1.0	R	1.0	R	1.0	R	1.0	U
Aroclor-1260	1.0	R	1.0	R	1.0	R	1.0	R	1.0	U

Analytical Results (Qualified Data) Page 8 of _

Case #: 26925 SDG: EBWB6
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Sample Number:	PBLK2									
Sampling Location:										
Matrix:	Water									
Units:	ug/L									
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:	7									
Dilution Factor:	1.0									
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	U								
beta-BHC	0.050	U								
delta-BHC	0.050	U								
gamma-BHC (Lindane)	0.050	U								
Heptachlor	0.050	U								
Aldrin	0.050	U								
Heptachlor Epoxide	0.050	U								
Endosulfan I	0.050	U								
Dieldrin	0.10	U								
4,4'-DDE	0.10	U								
Endrin	0.10	U								
Endosulfan II	0.10	U								
4,4'-DDD	0.10	U								
Endosulfan Sulfate	0.10	U								
4,4'-DDT	0.10	U								
Methoxychlor	0.50	U								
Endrin Ketone	0.10	U								
Endrin Aldehyde	0.10	U								
alpha-Chlordane	0.050	U								
gamma-Chlordane	0.050	U								
Toxaphene	5.0	U								
Aroclor-1016	1.0	U								
Aroclor-1221	2.0	U								
Aroclor-1232	1.0	U								
Aroclor-1242	1.0	U								
Aroclor-1248	1.0	U								
Aroclor-1254	1.0	U								
Aroclor-1260	1.0	U								

Dimethylphthalate	10	U				
Acenaphthylene	10	U				
2,6-Dinitrotoluene	10	U				
3-Nitroaniline	25	U				

Sample Number:	SBLKFA									
Sampling Location:										
Matrix:	Water									
Units:	ug/L									
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:										
Dilution Factor:	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10	U								
2,4-Dinitrophenol	25	R								
4-Nitrophenol	25	U								
Dibenzofuran	10	U								
2,4-Dinitrotoluene	10	U								
Diethylphthalate	10	U								
4-Chlorophenyl-phenylether	10	U								
Fluorene	10	U								
4-Nitroaniline	25	U								
4,6-Dinitro-2-methylphenol	25	U								
N-Nitrosodiphenylamine	10	U								
4-Bromophenyl-phenylether	10	U								
Hexachlorobenzene	10	U								
Pentachlorophenol	25	U								
Phenanthrene	10	U								
Anthracene	10	U								
Carbazole	10	U								
Di-n-butylphthalate	10	U								
Fluoranthene	10	U								
Pyrene	10	U								
Butylbenzylphthalate	10	U								
3,3'-Dichlorobenzidine	10	U								
Benzo(a)anthracene	10	U								
Chrysene	10	U								
bis(2-Ethylhexyl)phthalate	4	J								
Di-n-octylphthalate	10	U								
Benzo(b)fluoranthene	10	U								
Benzo(k)fluoranthene	10	U								
Benzo(a)pyrene	10	U								
Indeno(1,2,3-cd)pyrene	10	U								
Dibenz(a,h)anthracene	10	U								
Benzo(g,h,i)perylene	10	U								

Sample Number:	EBDX4		EBDX4DL		EBDX4MS		EBDX4MSD		EBWB5	
Sampling Location:	G103		G103		G103		G103		FB	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:15		12:15		12:15		12:15		12:30	
%Moisture:										
PH:										
Dilution Factor:	1.0		2.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	6	J	7	J	37		33		10	U
2,4-Dinitrophenol	25	R	50	R	25	R	25	R	25	R
4-Nitrophenol	25	U	50	U	58		71		25	U
Dibenzofuran	10		13	J	10		28		10	U
2,4-Dinitrotoluene	10	U	20	U	38		18		10	U
Diethylphthalate	10	U	20	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	20	U	10	U	10	U	10	U
Fluorene	9	J	11	J	8	J	10	U	10	U
4-Nitroaniline	25	U	50	U	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol	25	U	50	U	25	U	25	U	25	U
N-Nitrosodiphenylamine	10	U	20	U	3	J	10	U	10	U
4-Bromophenyl-phenylether	10	U	20	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	20	U	10	U	10	U	10	U
Pentachlorophenol	25	U	50	U	80		75		25	U
Phenanthrene	11		13	J	9	J	75		10	U
Anthracene	10	U	13	J	10	U	10	U	10	U
Carbazole	14		19	J	15		10	U	10	U
Di-n-butylphthalate	1	J	20	U	10	U	10	U	10	U
Fluoranthene	10	U	20	U	10	U	10	U	10	U
Pyrene	1	J	20	U	26		26		10	U
Butylbenzylphthalate	10	U	20	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	10	U	20	U	10	U	10	U	10	U
Benzo(a)anthracene	10	U	20	U	10	U	10	U	10	U
Chrysene	10	U	20	U	10	U	1	J	10	U
bis(2-Ethylhexyl)phthalate	10	U	20	U	39	U	10	U	10	U
Di-n-octylphthalate	10	U	20	U	10	U	10	U	10	U
Benzo(b)fluoranthene	10	U	20	UJ	10	U	10	UJ	10	U
Benzo(k)fluoranthene	10	U	20	U	10	U	10	U	10	U
Benzo(a)pyrene	10	U	20	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	20	U	10	U	10	U	10	U
Dibenz(a,h)anthracene	10	U	20	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	20	U	10	U	10	U	10	U

Analytical Results (Qualified Data) Page 5 of __

Case #: 26925 SDG: EBWB6
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Sample Number:	SBLKFA									
Sampling Location:										
Matrix:	Water									
Units:	ug/L									
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:										
Dilution Factor:	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	10	U								
bis(2-Chloroethyl)ether	10	U								
2-Chlorophenol	10	U								
1,3-Dichlorobenzene	10	U								
1,4-Dichlorobenzene	10	U								
1,2-Dichlorobenzene	10	U								
2-Methylphenol	10	U								
2,2'-oxybis(1-chloropropane)	10	U								
4-Methylphenol	10	U								
N-Nitroso-di-n-propylamine	10	U								
Hexachloroethane	10	U								
Nitrobenzene	10	U								
Isophorone	10	U								
2-Nitrophenol	10	U								
2,4-Dimethylphenol	10	U								
bis(2-Chloroethoxy)methane	10	U								
2,4-Dichlorophenol	10	U								
1,2,4-Trichlorobenzene	10	U								
Naphthalene	10	U								
4-Chloroaniline	10	U								
Hexachlorobutadiene	10	U								
4-Chloro-3-methylphenol	10	U								
2-Methylnaphthalene	10	U								
Hexachlorocyclopentadiene	10	UJ								
2,4,6-Trichlorophenol	10	U								
2,4,5-Trichlorophenol	25	U								
2-Chloronaphthalene	10	U								
2-Nitroaniline	25	U								

Analytical Results (Qualified Data) Page 2 of __

Case #: 26925 SDG: EBW86
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Sample Number:	VHBLKBU		VBLKAX		VBLKBU					
Sampling Location:										
Matrix:	Water		Water		Water					
Units:	ug/L		ug/L		ug/L					
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:										
Dilution Factor:	1.0		1.0		1.0					
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Chloromethane	10	U	10	U	10	U				
Bromomethane	10	U	10	U	10	U				
Vinyl Chloride	10	U	10	U	10	U				
Chloroethane	10	U	10	U	10	U				
Methylene Chloride	10	U	10	U	10	U				
Acetone	10	U	10		10	U				
Carbon Disulfide	10	U	10	U	10	U				
1,1-Dichloroethene	10	U	10	U	10	U				
1,1-Dichloroethane	10	U	10	U	10	U				
Total 1,2-Dichloroethene	10	U	10	U	10	U				
Chloroform	10	U	10	U	10	U				
1,2-Dichloroethane	10	U	10	U	10	U				
2-Butanone	10	U	10	U	10	U				
1,1,1-Trichloroethane	10	U	10	U	10	U				
Carbon Tetrachloride	10	U	10	U	10	U				
Bromodichloromethane	10	U	10	U	10	U				
1,2-Dichloropropane	10	U	10	U	10	U				
Cis-1,3-Dichloropropene	10	U	10	U	10	U				
Trichloroethene	10	U	10	U	10	U				
Dibromochloromethane	10	U	10	U	10	U				
1,1,2-Trichloroethane	10	U	10	U	10	U				
Benzene	10	U	10	U	10	U				
Trans-1,3-Dichloropropene	10	U	10	U	10	U				
Bromoform	10	U	10	U	10	U				
4-Methyl-2-pentanone	10	U	10	U	10	U				
2-Hexanone	10	U	10	U	10	U				
Tetrachloroethene	10	U	10	U	10	U				
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U				
Toluene	10	U	10	U	10	U				
Chlorobenzene	10	U	10	U	10	U				
Ethylbenzene	10	U	10	U	10	U				
Styrene	10	U	10	U	10	U				
Xylene (total)	10	U	10	U	10	U				

Analytical Results (Qualified Data) Page 3 of __

Case #: 26925 SDG: EBWB6

Site: DIAMOND SCRAP YARD Number of Soil Samples : 0

Lab. : AATSLA Number of Water Samples : 2

Reviewer:

Date:

Sample Number:	EBDX4		EBDX4DL		EBDX4MS		EBDX4MSD		EBWB5	
Sampling Location:	G103		G103		G103		G103		FB	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:15		12:15		12:15		12:15		12:30	
%Moisture:										
PH:										
Dilution Factor:	1.0		2.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	10	U	20	U	52		67		10	U
bis(2-Chloroethyl)ether	10	U	20	U	10	U	10	U	10	U
2-Chlorophenol	10	U	20	U	50		61		10	U
1,3-Dichlorobenzene	10	U	20	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	20	U	26		33		10	U
1,2-Dichlorobenzene	10	U	20	U	10	U	10	U	10	U
2-Methylphenol	10	U	20	U	10	U	10	U	10	U
2,2'-oxybis(1-chloropropane)	10	U	20	U	10	U	10	U	10	U
4-Methylphenol	10	U	20	U	10	U	10	U	10	U
N-Nitroso-di-n-propylamine	10	U	20	U	39		49		10	U
Hexachloroethane	10	U	20	U	10	U	10	U	10	U
Nitrobenzene	10	U	20	U	10	U	10	U	10	U
Isophorone	10	U	20	U	10	U	10	U	10	U
2-Nitrophenol	10	U	20	U	10	U	10	U	10	U
2,4-Dimethylphenol	10	U	20	U	10	U	10	U	10	U
bis(2-Chloroethoxy)methane	10	U	20	U	10	U	10	U	10	U
2,4-Dichlorophenol	10	U	20	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	UJ	20	U	29		43		10	U
Naphthalene	69		78		72		130		10	U
4-Chloroaniline	10	U	20	U	10	U	10	U	10	U
Hexachlorobutadiene	10	U	20	U	10	U	10	U	10	U
4-Chloro-3-methylphenol	10	U	20	U	57		85		10	U
2-Methylnaphthalene	100		120		110		340		10	U
Hexachlorocyclopentadiene	10	UJ	20	UJ	10	UJ	10	UJ	10	UJ
2,4,6-Trichlorophenol	10	U	20	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	25	U	50	U	25	U	25	U	25	U
2-Chloronaphthalene	10	U	20	U	10	U	10	U	10	U
2-Nitroaniline	25	U	50	U	25	U	25	U	25	U
Dimethylphthalate	10	U	20	U	10	U	10	U	10	U
Acenaphthylene	10	U	20	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	20	U	10	U	10	U	10	U
3-Nitroaniline	25	U	50	U	25	U	25	U	25	U

Semivolatile Analysis Data - EBDX4DL
Tentatively Identified Compounds

CASE NO: 26925 LABORATORY: AATS
SDG NO: EBWB6

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
98-62-8	BENZENE, (1-METHYLETHYL)-	2.67	19.000	JN
103-65-1	BENZENE, PROPYL-	2.90	22.000	JN
95-36-3	1,2,4-TRIMETHYLBENZENE	3.35	26.000	JN
141-93-5	BENZENE, 1,3-DIETHYL-	3.48	7.000	JN
	UNKNOWN	3.52	10.000	J
934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	3.63	19.000	JN
	UNKNOWN	4.07	19.000	J
119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	4.15	11.000	JN
3877-19-8	NAPHTHALENE, 1,2,3,4-TETRAHY	4.43	7.000	JN
1680-51-9	NAPHTHALENE, 1,2,3,4-TETRAHY	4.72	12.000	JN
90-12-0	NAPHTHALENE, 1-METHYL-	5.03	35.000	JN
2613-76-5	1H-INDENE, 2,3-DIHYDRO-1,1,3	5.48	14.000	JN
939-27-5	NAPHTHALENE, 2-ETHYL-	5.52	20.000	JN
582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	5.58	51.000	JN
575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	5.70	78.000	JN
582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	5.72	52.000	JN
575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	5.82	26.000	JN
571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	5.93	19.000	JN
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.20	14.000	JN
829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	6.48	28.000	JN
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.58	11.000	JN
2489-86-3	NAPHTHALENE, 1-(2-PROPENYL)-	6.85	13.000	JN
	UNKNOWN	7.35	8.000	J
	UNKNOWN	7.52	18.000	J
	UNKNOWN	7.65	18.000	J
613-12-7	ANTHRACENE, 2-METHYL-	8.65	9.000	JN
832-69-9	PHENANTHRENE, 1-METHYL-	8.68	10.000	JN
4630-20-0	3-METHYLCARBAZOLE	8.73	16.000	JN
3652-91-3	9H-CARBAZOLE, 2-METHYL-	9.03	10.000	JN
3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.43	12.000	JN

Analytical Results (Qualified Data) Page 1 of

Case #: 26925 SDG: EBWB6

Site: DIAMOND SCRAP YARD Number of Soil Samples : 0

Lab. : AATSLA Number of Water Samples : 3

Reviewer:

Date:

Sample Number:	EBDX4		EBDX4MS		EBDX4MSD		EBWB5		EBWB6	
Sampling Location:	G103		G103		G103		FB		TB	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:15		12:15		12:15		12:30		12:30	
%Moisture:										
PH:										
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Chloromethane	10	U	57		43		10	U	10	U
Bromomethane	10	U	47		33		10	U	10	U
Vinyl Chloride	10	U	56		47		10	U	10	U
Chloroethane	10	U	59		50		10	U	10	U
Methylene Chloride	10	U	54		44		10	U	10	U
Acetone	10	U	47	U	38	U	10	U	10	U
Carbon Disulfide	10	U	51		46		10	U	10	U
1,1-Dichloroethene	10	U	49		43		10	U	10	U
1,1-Dichloroethane	10	U	50		41		10	U	10	U
Total 1,2-Dichloroethene	10	U	100		86		10	U	10	U
Chloroform	10	U	48		40		10	U	10	U
1,2-Dichloroethane	10	U	46		39		10	U	10	U
2-Butanone	10	U	52		45		10	U	10	U
1,1,1-Trichloroethane	10	U	37		34		10	U	10	U
Carbon Tetrachloride	10	U	33		31		10	U	10	U
Bromodichloromethane	10	U	44		36		10	U	10	U
1,2-Dichloropropane	10	U	46		42		10	U	10	U
Cis-1,3-Dichloropropene	10	U	46		37		10	U	10	U
Trichloroethene	10	U	36		36		10	U	10	U
Dibromochloromethane	10	U	41		36		10	U	10	U
1,1,2-Trichloroethane	10	U	45		36		10	U	10	U
Benzene	1	J	46		40		10	U	10	U
Trans-1,3-Dichloropropene	10	U	42		34		10	U	10	U
Bromoform	10	U	34		30		10	U	10	U
4-Methyl-2-pentanone	10	U	49		40		10	U	10	U
2-Hexanone	10	U	58		38		10	U	10	U
Tetrachloroethene	10	U	28		28		10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	42		30		10	U	10	U
Toluene	10	UJ	38		32		10	U	10	U
Chlorobenzene	10	UJ	36		31		10	U	10	U
Ethylbenzene	28		66		61		10	U	10	U
Styrene	10	U	31		29		10	U	10	U
Xylene (total)	23		120		110		10	U	10	U

Volatile Analysis Data - EBDX4
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB6

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
108-87-2	CYCLOHEXANE, METHYL-	10.20	12.000	JN
98-82-8	BENZENE, (1-METHYLETHYL)-	14.38	78.000	JN
103-65-1	BENZENE, PROPYL-	14.95	98.000	JN
611-14-3	BENZENE, 1-ETHYL-2-METHYL-	15.10	52.000	JN
95-63-6	BENZENE, 1,2,4-TRIMETHYL-	15.70	170.000	JN
135-98-8	BENZENE, (1-METHYLPROPYL)-	15.95	72.000	JN
99-87-6	BENZENE, 1-METHYL-4-(1-METHY	16.17	13.000	JN
611-14-3	BENZENE, 1-ETHYL-2-METHYL-	16.30	93.000	JN
300-57-2	BENZENE, 2-PROPENYL-	16.57	98.000	JN
	UNKNOWN	16.72	54.000	J
135-01-3	BENZENE, 1,2-DIETHYL-	16.87	17.000	JN
535-77-3	BENZENE, 1-METHYL-3-(1-METHY	17.13	71.000	JN
2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	17.27	89.000	JN
767-58-8	INDAN, 1-METHYL-	17.40	74.000	JN
527-84-4	BENZENE, 1-METHYL-2-(1-METHY	17.68	40.000	JN
95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	17.83	42.000	JN
488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	17.92	57.000	JN
	UNKNOWN	18.05	14.000	J

FILE NAME: EBWB6.SDG DATE: 05/24/99 TIME: 13:03 CADRE98 PAGE: 1

Volatile Analysis Data - EBWB6
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB6

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
75-07-0	ACETALDEHYDE	3.27	20.000	JN

FILE NAME: EBWB6.SDG DATE: 05/24/99 TIME: 13:03 CADRE98 PAGE: 2

Semivolatile Analysis Data - SBLKFA
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB6

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.82	4.000	J

FILE NAME: EBWB6.SDG DATE: 05/24/99 TIME: 13:03 CADRE98 PAGE: 3

Semivolatile Analysis Data - EBDX4
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB6

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
98-82-8	BENZENE, (1-METHYLETHYL)-	2.70	13.000	JN
103-65-1	BENZENE, PROPYL-	2.92	15.000	JN
526-73-8	BENZENE, 1,2,3-TRIMETHYL-	3.38	17.000	JN
	UNKNOWN	3.55	7.000	J
933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	3.67	12.000	JN
1587-04-8	BENZENE, 1-METHYL-2-(2-PROPE	4.10	10.000	JN
119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	4.18	6.000	JN
1680-51-9	NAPHTHALENE, 1,2,3,4-TETRAHY	4.73	6.000	JN
90-12-0	NAPHTHALENE, 1-METHYL-	5.05	17.000	JN
2613-76-5	1H-INDENE, 2,3-DIHYDRO-1,1,3	5.50	6.000	JN
1127-76-0	NAPHTHALENE, 1-ETHYL-	5.53	9.000	JN
582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	5.60	22.000	JN
581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	5.70	31.000	JN
581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	5.72	21.000	JN
575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	5.82	13.000	JN
581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	5.93	7.000	JN
2027-17-0	NAPHTHALENE, 2-(1-METHYLETHY	6.20	6.000	JN
2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	6.48	5.000	JN
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.58	5.000	JN
	UNKNOWN	6.70	6.000	J
643-93-6	1,1'-BIPHENYL, 3-METHYL-	6.83	8.000	JN
	UNKNOWN	7.23	7.000	J
	UNKNOWN	7.28	5.000	J
1556-99-6	9H-FLUORENE, 4-METHYL-	7.43	8.000	JN
1730-37-6	9H-FLUORENE, 1-METHYL-	7.50	9.000	JN
	UNKNOWN	8.13	7.000	J
613-12-7	ANTHRACENE, 2-METHYL-	8.63	7.000	JN
27323-29-1	METHYLCARBAZOLE	8.72	11.000	JN
1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.30	6.000	JN
3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.40	9.000	JN

FILE NAME: EBWB6.SDG DATE: 05/24/99 TIME: 13:03 CADRE98

Semivolatile Analysis Data - EBWB5
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB6

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.80	5.000	BJ

FILE NAME: EBWB6.SDG DATE: 05/24/99 TIME: 13:03 CADRE98

Case Number :26925 **SDG Number: EBWB6**
Si Name: Diamond Scrap Yard (IL) **Laboratory: AATS**

The laboratory reported that they "misplaced" the internal sample and extract COC. This fact calls into question the validity of the entire package.

The pH of the samples can be found on the laboratory Form Is.

Name: M. Kaminsky Lockheed-Martin/ESAT
Date: June 14, 1999

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

Case Number :26925 **SDG Number: EBWB6**
Site Name: Diamond Scrap Yard (IL) **Laboratory: AATS**

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Hits are flagged "J" in the unspiked sample and non-detects are not flagged.

EBDX4MS
Pentachlorophenol

EBDX4MSD
4-Chloro-3-methylphenol

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. However the MSD%Rec was less than 100% but over QC limits and no qualification is needed.

EBDX4MSD
4-Nitrophenol

The following pesticide matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Hits are flagged "J" in the unspiked sample and non-detects are flagged "UJ". However, the qualification stated above remains as applied.

EBDX4MS, EBDX4MSD
Aldrin

7. FIELD BLANK AND FIELD DUPLICATE

Sample EBWB5 was a trip blank, the sample was clean, containing no volatile TCLs or TICs. Sample EBWB5 was a field blank, and was found to contain no TCLs or TICs in any fraction. Results are not qualified based upon the results of the field blank or trip blanks.

8. INTERNAL STANDARDS

No problems found for this qualification.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

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

EBDX4
Benzene

Name: M. Kaminsky Lockheed-Martin/ESAT
Date: June 14, 1999

Case Number :26925 **SDG Number: EBWB6**
Site Name: Diamond Scrap Yard (IL) **Laboratory: AATS**

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

EBDX4
Acenaphthene, Fluorene, Di-n-butylphthalate, Pyrene

EBDX4DL
Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene
Anthracene, Carbazole

EBDX4MS
Fluorene, N-Nitrosodiphenylamine (1), Phenanthrene

EBDX4MSD
Chrysene

SBLKFA
bis(2-Ethylhexyl)phthalate

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

PBLK1
4,4'-DDT, Endrin aldehyde

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

EBDX4MS
Heptachlor, Dieldrin, 4,4'-DDT

EBDX4MSD
Heptachlor, Aldrin, Dieldrin

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

Semi-volatile sample EBDX4 was found to contain 2-methylmapthalene above the calibration range. The value for this analyte should be taken from the diluted sample.

Name: M. Kaminsky Lockheed-Martin/ESAT
Date: June 14, 1999

Case Number :26925 SDG Number: EBWB6
Site Name: Diamond Scrap Yard (IL) Laboratory: AATS

continuing calibration percent difference (%D) outside primary criteria.
Hits are qualified "J" and non-detects are qualified "UJ". However, non-detects for 2,4-dinitrophenol remain as stated above in these two samples.

2,4-Dinitrophenol, Benzo(b)fluoranthene
EBDX4DL, EBDX4MSD

4. BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration.
Hits are biased high and qualified "U" and non-detects are not flagged.

Acetone
EBDX4MS, EBDX4MSD

The seni-volatile blank associated with the following samples were qualified "R" during a previous qualification. Hits and non-detects are not flagged.

EBDX4, EBDX4DL, EBDX4MS, EBDX4MSD, EBWB5
2,4-Dinitrophenol

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

Acetone
EBDX4, EBWB5, EBWB6

The following semivolatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration.
Hits are qualified "U" and non-detects are not flagged.
Results are biased high.

EBDX4MS
bis(2-Ethylhexyl)phthalate

The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample

Case Number :26925 SDG Number: EBWB6
Site Name: Diamond Scrap Yard (IL) Laboratory: AATS

concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

bis(2-Ethylhexyl)phthalate
EBDX4, EBDX4MSD

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

Surrogate S1(nitrobenzene-d5) and surrogate S6(2,4,6-tribromophenol) were both out high in sample EBDX4MSD. However, as one of these is a neutral and the other is an acid surrogate, no qualification of the data is needed.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

As mentioned in the volatile portion of the laboratory narrative, "A full compound, independent source fortification mix in place of the customary 5 compound CLP mixture was inadvertently used to prepare the MS/MSD pair. Results for all compounds are presented for the matrix spike pair." This should have no effect on the data.

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria.
Hits are flagged "J" in the unspiked sample and non-detects are flagged "UJ".

EBDX4MS, EBDX4MSD
Benzene, Toluene, Chlorobenzene

The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria.
Hits are flagged "J" in the unspiked sample and non-detects are not flagged.

EBDX4MS
Toluene, Chlorobenzene

EBDX4MSD
Toluene, Chlorobenzene

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are flagged "J" in the unspiked sample and non-detects are flagged "UJ".

EBDX4MS, EBDX4MSD
1,2,4-Trichlorobenzene, 2,4-Dinitrotoluene

Case Number :26925 **SDG Number: EBWB6**
Si' Name: Diamond Scrap Yard (IL) **Laboratory: AATS**

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

Three (3) water samples, numbered EBWB6, EBDX4, EBWB5, were collected on April 14th, 1999. The lab received the samples on April 15th, 1999 in good condition. All samples were analyzed for the full list of organic analytes except EBWB6 the trip blank which was only analyzed for volatiles. All were analyzed according to CLP SOW OLMO3.1 3/90.

Name: M. Kaminsky Lockheed-Martin/ESAT
Date: June 14, 1999

Case Number :26925 **SDG Number: EBWB6**
Site Name: Diamond Scrap Yard (IL) **Laboratory: AATS**

1. **HOLDING TIME**

The following pesticide water samples are outside expanded extraction holding time criteria.
Hits are qualified "J" and non-detects are qualified "R".
Results are biased low.

EBDX4, EBDX4MS, EBDX4MSD, EBWB5

2. GC/MS **TUNING AND GC INSTRUMENT PERFORMANCE**

No problems found for this qualification.

3. CALIBRATION

The following semivolatile samples are associated with an initial calibration with relative response factors (RRFs) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
EBDX4, EBDX4MS, EBWB5, SBLKFA

The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria.
Hits are qualified "J" and non-detects are flagged "UJ".

Hexachlorocyclopentadiene
EBDX4, EBDX4MS, EBWB5, SBLKFA

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
EBDX4DL, EBDX4MSD

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 "UJ".

Hexachlorocyclopentadiene
EBDX4DL, EBDX4MSD

The following semivolatile samples are associated with a

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on May 27, 1999

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Technical Support Section

for Steve Ostrodka
Richard L Bajnik
6/15/99

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Diamond Scrap Yard (IL)

CASE NUMBER: 26925 SDG NUMBER: EBWB6

Number and Type of Samples: 3 Water

Sample Numbers: EBWB6, EBDX4, EBWB5

Laboratory: AATS Hrs. for Review: 10

Following are our findings:
the data are usable and acceptable with the qualifications described in the attached narrative.
Richard L Bajnik

CC: Regional TPO
Cecilia Moore
SM-5J

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
SDG: EBDX2
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Sample Number:	PBLK1									
Sampling Location:										
Matrix:	Water									
Units:	ug/L									
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:	7									
Dilution Factor:	1.0									
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	U								
beta-BHC	0.050	U								
delta-BHC	0.050	U								
gamma-BHC (Lindane)	0.050	U								
Heptachlor	0.050	U								
Aldrin	0.050	U								
Heptachlor Epoxide	0.050	U								
Endosulfan I	0.050	U								
Dieldrin	0.10	U								
4,4'-DDE	0.10	U								
Endrin	0.10	U								
Endosulfan II	0.10	U								
4,4'-DDD	0.10	U								
Endosulfan Sulfate	0.10	U								
4,4'-DDT	0.10	U								
Methoxychlor	0.50	U								
Endrin Ketone	0.10	U								
Endrin Aldehyde	0.10	U								
alpha-Chlordane	0.050	U								
gamma-Chlordane	0.050	U								
Toxaphene	5.0	U								
Aroclor-1016	1.0	U								
Aroclor-1221	2.0	U								
Aroclor-1232	1.0	U								
Aroclor-1242	1.0	U								
Aroclor-1248	1.0	U								
Aroclor-1254	1.0	U								
Aroclor-1260	1.0	U								

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: IL/ZZ

Case No: 26925 Site Name Location: Diamond Scrap Yard

Contractor or EPA Lab: AATS Data User: IEPA

No. of Samples: 4 Date Sampled or Data Received: 5-24-99

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: 4 No. of samples received: 4

Received by: Lynette Burnett Date: 5-24-99

Received by LSSS: Lynette Burnett Date: 5-24-99

Review started: 6-1-99 Reviewer Signature: [illegible]

Total time spent on review: 4 Date review completed: 6-2-99

Copied by: Lynette Burnett Date: 6-16-99

Mailed to user by: Lynette Burnett Date: 6-16-99

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

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

_____

_____

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

Sample Number:	SBLKFH									
Sampling Location:										
Matrix:	Water									
Units:	ug/L									
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:										
Dilution Factor:	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10	U								
2,4-Dinitrophenol	25	R								
4-Nitrophenol	25	U								
Dibenzofuran	10	U								
2,4-Dinitrotoluene	10	U								
Diethylphthalate	10	U								
4-Chlorophenyl-phenylether	10	U								
Fluorene	10	U								
4-Nitroaniline	25	U								
4,6-Dinitro-2-methylphenol	25	U								
N-Nitrosodiphenylamine	10	U								
4-Bromophenyl-phenylether	10	U								
Hexachlorobenzene	10	U								
Pentachlorophenol	25	U								
Phenanthrene	10	U								
Anthracene	10	U								
Carbazole	10	U								
Di-n-butylphthalate	1	J								
Fluoranthene	10	U								
Pyrene	10	U								
Butylbenzylphthalate	10	U								
3,3'-Dichlorobenzidine	10	U								
Benzo(a)anthracene	10	U								
Chrysene	10	U								
bis(2-Ethylhexyl)phthalate	4	J								
Di-n-octylphthalate	10	U								
Benzo(b)fluoranthene	10	U								
Benzo(k)fluoranthene	10	U								
Benzo(a)pyrene	10	U								
Indeno(1,2,3-cd)pyrene	10	U								
Dibenz(a,h)anthracene	10	U								
Benzo(g,h,i)perylene	10	UJ								

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
SDG: EBDX2
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Number of Soil Samples : 0
Number of Water Samples :3

Sample Number:	EBDX2		EBDX2MS		EBDX2MSD		EBDX3		EBWB2	
Sampling Location:	G101		G101		G101		G102		G105	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/14/99		04/15/99	
Time Sampled:	12:00		12:00		12:00		10:00		11:00	
%Moisture:										
PH:	7		7		7		7		7	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
beta-BHC	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
delta-BHC	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
gamma-BHC (Lindane)	0.050	R	0.96	J	0.94	J	0.050	R	0.050	R
Heptachlor	0.050	R	0.76	J	0.85	J	0.050	R	0.050	R
Aldrin	0.050	R	0.87	J	0.88	J	0.050	R	0.050	R
Heptachlor Epoxide	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
Endosulfan I	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
Dieldrin	0.10	R	1.9	J	2.0	J	0.10	R	0.10	R
4,4'-DDE	0.10	R	0.20	R	0.20	R	0.10	R	0.10	R
Endrin	0.10	R	2.1	J	2.1	J	0.10	R	0.10	R
Endosulfan II	0.10	R	0.20	R	0.20	R	0.10	R	0.10	R
4,4'-DDD	0.10	R	0.20	R	0.20	R	0.10	R	0.10	R
Endosulfan Sulfate	0.10	R	0.20	R	0.20	R	0.10	R	0.10	R
4,4'-DDT	0.10	R	2.0	J	2.0	J	0.10	R	0.10	R
Methoxychlor	0.50	R	0.27	J	1.0	R	0.50	R	0.50	R
Endrin Ketone	0.10	R	0.20	R	0.20	R	0.10	R	0.10	R
Endrin Aldehyde	0.079	J	0.45	J	0.13	J	0.10	R	0.10	R
alpha-Chlordane	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
gamma-Chlordane	0.050	R	0.10	R	0.10	R	0.050	R	0.050	R
Toxaphene	5.0	R	10	R	10	R	5.0	R	5.0	R
Aroclor-1016	1.0	R	2.0	R	2.0	R	1.0	R	1.0	R
Aroclor-1221	2.0	R	4.0	R	4.0	R	2.0	R	2.0	R
Aroclor-1232	1.0	R	2.0	R	2.0	R	1.0	R	1.0	R
Aroclor-1242	1.0	R	2.0	R	2.0	R	1.0	R	1.0	R
Aroclor-1248	1.0	R	2.0	R	2.0	R	1.0	R	1.0	R
Aroclor-1254	1.0	R	2.0	R	2.0	R	1.0	R	1.0	R
Aroclor-1260	1.0	R	2.0	R	2.0	R	1.0	R	1.0	R

Sample Number:	EBDX2		EBDX2MS		EBDX2MSD		EBDX3		EBWB2	
Sampling Location:	G101		G101		G101		G102		G105	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/14/99		04/15/99	
Time Sampled:	12:00		12:00		12:00		10:00		11:00	
%Moisture:										
PH.										
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenapnthene	10	R	65	J	69	J	10	R	10	R
2,4-Dinitrophenol	25	R	50	R	50	R	25	R	25	R
4-Nitrophenol	25	R	87	J	88	J	25	R	25	R
Dibenzofuran	10	R	20	R	20	R	10	R	10	R
2,4-Dinitrotoluene	10	R	78	J	83	J	10	R	10	R
Diethylphthalate	10	R	20	R	20	R	10	R	10	R
4-Chlorophenyl-phenylether	10	R	20	R	20	R	10	R	10	R
Fluorene	10	R	20	R	20	R	10	R	10	R
4-Nitroaniline	25	R	50	R	50	R	25	R	25	R
4,6-Dinitro-2-methylphenol	25	R	50	R	50	R	25	R	25	R
N-Nitrosodiphenylamine	10	R	20	R	20	R	10	R	10	R
4-Bromophenyl-phenylether	10	R	20	R	20	R	10	R	10	R
Hexachlorobenzene	10	R	20	R	20	R	10	R	10	R
Pentachlorophenol	25	R	100	J	110	J	25	R	25	R
Phenanthrene	10	R	20	R	20	R	10	R	10	R
Anthracene	10	R	20	R	20	R	10	R	10	R
Carbazole	10	R	20	R	20	R	10	R	10	R
Di-n-butylphthalate	10	R	20	R	20	R	10	R	10	R
Fluoranthene	10	R	20	R	20	R	10	R	10	R
Pyrene	10	R	54	J	63	J	10	R	10	R
Butylbenzylphthalate	10	R	20	R	20	R	10	R	10	R
3,3'-Dichlorobenzidine	10	R	20	R	20	R	10	R	10	R
Benzo(a)anthracene	10	R	20	R	20	R	10	R	10	R
Chrysene	10	R	20	R	20	R	10	R	10	R
bis(2-Ethylhexyl)phthalate	10	R	20	R	20	R	10	R	10	R
Di-n-octylphthalate	10	R	20	R	20	R	10	R	10	R
Benzo(b)fluoranthene	10	R	20	R	20	R	10	R	10	R
Benzo(k)fluoranthene	10	R	20	R	20	R	10	R	10	R
Benzo(a)pyrene	10	R	20	R	20	R	10	R	10	R
Indeno(1,2,3-cd)pyrene	10	R	20	R	20	R	10	R	10	R
Dibenz(a,h)anthracene	10	R	20	R	20	R	10	R	10	R
Benzo(g,h,i)perylene	10	R	20	R	20	R	10	R	10	R

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBDX2
DIAMOND SCRAP YARD
AATSLA

Sample Number:	SBLKFH									
Sampling Location:										
Matrix:	Water									
Units:	ug/L									
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:										
Dilution Factor:	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	10	U								
bis(2-Chloroethyl)ether	10	U								
2-Chlorophenol	10	U								
1,3-Dichlorobenzene	10	U								
1,4-Dichlorobenzene	10	U								
1,2-Dichlorobenzene	10	U								
2-Methylphenol	10	U								
2,2'-oxybis(1-chloropropane)	10	U								
4-Methylphenol	10	U								
N-Nitroso-di-n-propylamine	10	U								
Hexachloroethane	10	U								
Nitrobenzene	10	U								
Isophorone	10	U								
2-Nitrophenol	10	U								
2,4-Dimethylphenol	10	U								
bis(2-Chloroethoxy)methane	10	U								
2,4-Dichlorophenol	10	U								
1,2,4-Trichlorobenzene	10	U								
Naphthalene	10	U								
4-Chloroaniline	10	U								
Hexachlorobutadiene	10	U								
4-Chloro-3-methylphenol	10	U								
2-Methylnaphthalene	10	U								
Hexachlorocyclopentadiene	10	UJ								
2,4,6-Trichlorophenol	10	U								
2,4,5-Trichlorophenol	25	U								
2-Chloronaphthalene	10	U								
2-Nitroaniline	25	U								
Dimethylphthalate	10	U								
Acenaphthylene	10	U								
2,6-Dinitrotoluene	10	U								
3-Nitroaniline	25	U								

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBDX2
DIAMOND SCRAP YARD
AATSLA

Sample Number:	VHBLKAI		VBLKAG		VBLKAI					
Sampling Location:										
Matrix:	Water		Water		Water					
Units:	ug/L		ug/L		ug/L					
Date Sampled:										
Time Sampled:										
%Moisture:										
PH:										
Dilution Factor:	1.0		1.0		1.0					
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Chloromethane	10	UJ	10	U	10	UJ				
Bromomethane	10	U	10	U	10	U				
Vinyl Chloride	10	U	10	U	10	U				
Chloroethane	10	U	10	U	10	U				
Methylene Chloride	2	J	1	J	10	U				
Acetone	10	UJ	30	J	3	J				
Carbon Disulfide	10	U	10	U	10	U				
1.1-Dichloroethene	10	U	10	U	10	U				
1.1-Dichloroethane	10	U	10	U	10	U				
Total 1.2-Dichloroethene	10	U	10	U	10	U				
Chloroform	10	U	10	U	10	U				
1.2-Dichloroethane	10	U	10	U	10	U				
2-Butanone	10	UJ	10	U	10	UJ				
1.1.1-Trichloroethane	10	U	10	U	10	U				
Carbon Tetrachloride	10	U	10	U	10	U				
Bromodichloromethane	10	U	10	U	10	U				
1.2-Dichloropropane	10	U	10	U	10	U				
Cis-1.3-Dichloropropene	10	U	10	U	10	U				
Trichloroethene	10	U	10	U	10	U				
Dibromochloromethane	10	U	10	U	10	U				
1.1.2-Trichloroethane	10	U	10	U	10	U				
Benzene	10	U	10	U	10	U				
Trans-1.3-Dichloropropene	10	U	10	U	10	U				
Bromoform	10	U	10	U	10	U				
4-Methyl-2-pentanone	10	U	10	U	10	U				
2-Hexanone	10	U	10	U	10	U				
Tetrachloroethene	10	U	10	U	10	U				
1.1.2.2-Tetrachloroethane	10	U	10	U	10	U				
Toluene	10	U	10	U	10	U				
Chlorobenzene	10	U	10	U	10	U				
Ethylbenzene	10	U	10	U	10	U				
Styrene	10	U	10	U	10	U				
Xylene (total)	10	U	10	U	10	U				

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
SDG: EBDX2
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Number of Soil Samples : 0
Number of Water Samples :3

Sample Number:	EBDX2		EBDX2MS		EBDX2MSD		EBDX3		EBWB2	
Sampling Location:	G101		G101		G101		G102		G105	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/14/99		04/15/99	
Time Sampled:	12:00		12:00		12:00		10:00		11:00	
%Moisture:										
PH:										
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	10	R	87	J	91	J	10	R	10	R
bis(2-Chloroethyl)ether	10	R	20	R	20	R	10	R	10	R
2-Chlorophenol	10	R	85	J	91	J	10	R	10	R
1,3-Dichlorobenzene	10	R	20	R	20	R	10	R	10	R
1,4-Dichlorobenzene	10	R	48	J	45	J	10	R	10	R
1,2-Dichlorobenzene	10	R	20	R	20	R	10	R	10	R
2-Methylphenol	10	R	20	R	20	R	10	R	10	R
2,2'-oxybis(1-chloropropane)	10	R	20	R	20	R	10	R	10	R
4-Methylphenol	10	R	20	R	20	R	10	R	10	R
N-Nitroso-di-n-propylamine	10	R	69	J	74	J	10	R	10	R
Hexachloroethane	10	R	20	R	20	R	10	R	10	R
Nitrobenzene	10	R	20	R	20	R	10	R	10	R
Isophorone	10	R	20	R	20	R	10	R	10	R
2-Nitrophenol	10	R	20	R	20	R	10	R	10	R
2,4-Dimethylphenol	10	R	20	R	20	R	10	R	10	R
bis(2-Chloroethoxy)methane	10	R	20	R	20	R	10	R	10	R
2,4-Dichlorophenol	10	R	20	R	20	R	10	R	10	R
1,2,4-Trichlorobenzene	10	R	52	J	49	J	10	R	10	R
Naphthalene	10	R	20	R	20	R	10	R	10	R
4-Chloroaniline	10	R	20	R	20	R	10	R	10	R
Hexachlorobutadiene	10	R	20	R	20	R	10	R	10	R
4-Chloro-3-methylphenol	10	R	96	J	120	J	10	R	10	R
2-Methylnaphthalene	10	R	34	J	40	J	10	R	10	R
Hexachlorocyclopentadiene	10	R	20	R	20	R	10	R	10	R
2,4,6-Trichlorophenol	10	R	20	R	20	R	10	R	10	R
2,4,5-Trichlorophenol	25	R	50	R	50	R	25	R	25	R
2-Chloronaphthalene	10	R	20	R	20	R	10	R	10	R
2-Nitroaniline	25	R	50	R	50	R	25	R	25	R
Dimethylphthalate	10	R	20	R	20	R	10	R	10	R
Acenaphthylene	10	R	20	R	20	R	10	R	10	R
2,6-Dinitrotoluene	10	R	20	R	20	R	10	R	10	R
3-Nitroaniline	25	R	50	R	50	R	25	R	25	R

Semivolatile Analysis Data - SBLKFH
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBDX2

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.53	2.000	J
	UNKNOWN HALOGENATED	2.60	3.000	J

Analytical Results (Qualified Data) Page __ of __

Case #: 26925 SDG: EBDX2

Site: DIAMOND SCRAP YARD Number of Soil Samples : 0

Lab. : AATSLA Number of Water Samples :3

Reviewer:

Date:

Sample Number:	EBDX2		EBDX2MS		EBDX2MSD		EBDX3		EBWB1	
Sampling Location:	G101		G101		G101		G102		G104	
Matrix:	Water		Water		Water		Water		Water	
Units:	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/14/99		04/14/99	
Time Sampled:	12:00		12:00		12:00		10:00		16:15	
%Moisture:										
PH:										
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Chloromethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Bromomethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Vinyl Chloride	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Chloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Methylene Chloride	10	UJ	10	UJ	10	UJ	10	UJ	1	J
Acetone	30	UJ	30	UJ	28	UJ	29	UJ	10	UJ
Carbon Disulfide	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1-Dichloroethene	10	UJ	54	J	58	J	10	UJ	10	UJ
1,1-Dichloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Total 1,2-Dichloroethene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Chloroform	10	UJ	10	UJ	10	UJ	8	J	10	UJ
1,2-Dichloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1,1-Trichloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Tetrachloride	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Bromodichloromethane	10	UJ	10	UJ	10	UJ	4	J	10	UJ
1,1,2,2-Tetrachloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,2-Dichloropropane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Trichloroethene	10	UJ	51	J	56	J	10	UJ	10	UJ
Dibromochloromethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1,2-Trichloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Benzene	10	UJ	55	J	60	J	10	UJ	3	J
Trans-1,3-Dichloropropene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Bromoform	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
4-Methyl-2-pentanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
2-Hexanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Tetrachloroethene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1,2,2-Tetrachloroethane	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Toluene	10	UJ	52	J	56	J	10	UJ	10	UJ
Chlorobenzene	10	UJ	50	J	53	J	10	UJ	10	UJ
Ethylbenzene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Styrene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Xylene (total)	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ

Volatile Analysis Data - VBLKAG
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBDX2
LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
112-30-1	1-DECANOL	17.22	47.000	JN

FILE NAME: EBDX2.SDG DATE: 05/24/99 TIME: 13:07 CADRE98 PAGE: 1

Volatile Analysis Data - EBDX2
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBDX2
LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

FILE NAME: EBDX2.SDG DATE: 05/24/99 TIME: 13:07 CADRE98 PAGE: 2

Volatile Analysis Data - EBDX3
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBDX2
LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

FILE NAME: EBDX2.SDG DATE: 05/24/99 TIME: 13:07 CADRE98 PAGE: 3

Volatile Analysis Data - EBWB1
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBDX2
LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
1634-04-4	PROPANE, 2-METHOXY-2-METHYL-	7.32	45.000	JN

FILE NAME: EBDX2.SDG DATE: 05/24/99 TIME: 13:07 CADRE98 PAGE: 4

Semivolatile Analysis Data - EBDX2
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBDX2
LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	11.05	6.000	J
	UNKNOWN	11.17	13.000	J
	UNKNOWN	11.92	1.000	J
	UNKNOWN	12.03	10.000	J

FILE NAME: EBDX2.SDG DATE: 05/24/99 TIME: 13:07 CADRE98 PAGE: 5

Ca Number :26952
Site Name: Diamond Scrap Yard (IL)

SDG Number: EBDX2
Laboratory: AATS

storage blank. Hits are flagged "J" and non-detects are not flagged.

Methylene Chloride
EBWB1

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY
No problems found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE
No problems found for this qualification.

7. FIELD BLANK AND FIELD DUPLICATE
None were listed on the COC.

8. INTERNAL STANDARDS
No problems found for this qualification.

9. COMPOUND IDENTIFICATION
After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS
The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EBDX3
Chloroform, Bromodichloromethane

EBWB1
Methylene Chloride, Benzene

VBLKAG, VHBLKAI
Methylene Chloride

VBLKAI
Acetone

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

SBLKFH
Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate

Reviewed By: M. Kaminsky Lockheed-Martin/ESAT
Date: June 2, 1999

Case Number :26952 **SDG Number: EBDX2**
Site Name: Diamond Scrap Yard (IL) **Laboratory: AATS**

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

EBDX2, EBDX2MSD
Endrin aldehyde

EBDX2MS
Methoxychlor

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

EBDX2MS
Heptachlor, Methoxychlor

EBDX2MSD
Endrin aldehyde

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION
The pH is listed on the CADRE Form Is.

Reviewed By: M. Kaminsky Lockheed-Martin/ESAT
Date: June 2, 1999

Case Number :26952
Si Name: Diamond Scrap Yard (IL)

SDG Number: EBDX2
Laboratory: AATS

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ". However, the qualification for non-detects remains as stated above in section #1.

Chloromethane, Acetone, 2-Butanone
EBWB1, VBLKAI, VHBLKAI

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2, SBLKFH

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 "UJ".

Hexachlorocyclopentadiene
EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2, SBLKFH

The following semivolatile samples are associated with a continuing calibration relative response factor (RRF50) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
SBLKFH

The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria.
Hits are qualified "J" and non-detects are flagged "UJ". However, the qualification for non-detects remains as stated above in section #1.

Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 3,3'-Dichlorobenzidine, Di-n-octylphthalate

Reviewed By: M. Kaminsky Lockheed-Martin/ESAT
Date: June 2, 1999

Case Number :26952 SDG Number: EBDX2
Site Name: Diamond Scrap Yard (IL) Laboratory: AATS

EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2

Benzo(g,h,i)perylene
SBLKFH

4. BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are biased high and qualified "U" and non-detects are not flagged. However, the qualification for non-detects remains as stated above in section #1.

Acetone
EBDX2, EBDX2MS, EBDX2MSD, EBDX3

The blank associated with the following sample was qualified "R" during a previous qualification. Hits and non-detects are not flagged.

EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2
2,4-Dinitrophenol

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

Acetone
EBWB1

The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged. Hits are qualified "J" and non-detects are flagged "UJ". However, the qualification for non-detects remains as stated above in section #1.

Di-n-butylphthalate
EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2

bis(2-Ethylhexyl)phthalate
EBDX2MSD

The following volatile samples are associated with a contaminated

Case Number :26952
Si Name: Diamond Scrap Yard (IL)

SDG Number: EBDX2
Laboratory: AATS

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

Four (4) water samples, numbered EBDX2-3, EBWB1-2, were collected on April 14th, 1999. The lab received the samples on April 16th, 1999 in good condition. EBDX2-3 were analyzed for the full list of organic analytes. Sample EBWB1 was just analyzed for voaltiles and EBWB2 was analyzed for semi-volatiles and pesticide/PCBs. All were analyzed according to CLP SOW OLMO3.2 3/90.

Reviewed By: M. Kaminsky Lockheed-Martin/ESAT
Date: June 2, 1999

Case Number :26952 SDG Number: EBDX2
Site Name: Diamond Scrap Yard (IL) Laboratory: AATS

1. HOLDING TIME

The following preserved volatile water samples are outside primary holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ". Results are biased low.

EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB1

The following semivolatile water samples are outside expanded extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "R". Results are qualified low.

EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2

The following pesticide water samples are outside expanded extraction holding time criteria.
Hits are qualified "J" and non-detects are qualified "R".
Results are biased low.

EBDX2, EBDX2MS, EBDX2MSD, EBDX3, EBWB2

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria.
Hits are qualified "J" and non-detects are flagged "UJ". However, the qualification for non-detects remains as stated above in section #1.

Acetone
EBDX2, EBDX2MS, EBDX2MSD, EBDX3, VBLKAG

The following volatile 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 "UJ". However, the qualification for non-detects remains as stated above in section #1.

Acetone
EBWB1, VBLKAI, VHBLKAI

Reviewed By: M. Kaminsky Lockheed-Martin/ESAT
Date: June 2, 1999

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on May 24, 1999

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Technical Support Section

for Steve Ostrodka
Richard L Byrnes
6/4/99

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Diamond Scrap Yard (IL)

CASE NUMBER: 26925 SDG NUMBER: EBDX2

Number and Type of Samples: 4 (WATER)

Sample Numbers: EBDX2-3 EBWB1-2

Laboratory: AATS Hrs. for Review: 8 + 1

Following are our findings:
the volatile data is useable and acceptable with the qualifications described in the attached narrative. Because extraction holding times were exceeded for semivolatile and pesticide/PCB samples, detects are estimated (J) and non-detects are unusable.

Richard L Byrnes

CC: Regional TPO
Cecilia Moore
SM-5J

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10

Instrument Detection Limits (Quarterly)

am Name: SOUTHWEST_LAB_OF_OK
Lab Code: SWOK Case No.: 26925
ICP ID Number:
Flame AA ID Number : PS200A
Furnace AA ID Number :

Contract: 68-D5-0136
SAS No.:
Date: 04/06/99

SDG No.: MEAMY1

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	254.00		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

omments:

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10
Instrument Detection Limits (Quarterly)

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1
ICP ID Number: Date: 01/18/99
Flame AA ID Number : LACHAT
Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide	578.00		10	1.0	CA

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MEAMY3D

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136

Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1

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		118.3340	B	113.6220	B	4.1		P
Antimony		5.0000	U	5.0000	U			P
Arsenic	10.0	16.1310		16.0560		0.5		P
Barium	200.0	387.0200		387.9350		0.2		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		1.0000	U	1.0000	U			P
Calcium		96039.8750		96143.2920		0.1		P
Chromium		1.0000	U	1.0000	U			P
Cobalt		1.0000	U	1.0000	U			P
Copper		7.7540	B	6.7150	B	14.4		P
Iron		24417.2130		24422.4390		0.0		P
Lead		2.0000	U	2.0000	U			P
Magnesium		33576.4880		33703.9670		0.4		P
Manganese		640.9620		640.8880		0.0		P
Mercury	0.2	0.5370		0.1000	U	200.0	*	CV
Nickel		1.0880	B	1.7460	B	46.4		P
Potassium		2465.7430	B	2403.7410	B	2.5		P
Selenium		3.0000	U	3.0000	U			P
Silver		2.0000	U	2.0000	U			P
Sodium	5000.0	22898.4020		22023.3590		3.9		P
Thallium		3.2230	B	4.3210	B	29.1		P
Vanadium		2.6640	B	3.0920	B	14.9		P
Zinc	20.0	26.8560		35.4120		27.5		P
Cyanide		1.0000	U	1.7170	B	200.0		CA

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10
Instrument Detection Limits (Quarterly)

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1
ICP ID Number: TJA_ET1 Date: 04/06/99
Flame AA ID Number :
Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	9.0	P
Antimony	217.59		60	5.0	P
Arsenic	189.04		10	2.0	P
Barium	445.40		200	1.0	P
Beryllium	313.40		5	1.0	P
Cadmium	226.50		5	1.0	P
Calcium	317.92		5000	19.0	P
Chromium	267.72		10	1.0	P
Cobalt	228.62		50	1.0	P
Copper	324.75		25	3.0	P
Iron	259.61		100	13.0	P
Lead	220.35		3	2.0	P
Magnesium	279.08		5000	55.0	P
Manganese	257.61		15	1.0	P
Mercury			0.2		NR
Nickel	231.60		40	1.0	P
Potassium	776.49		5000	19.0	P
Selenium	203.99		5	3.0	P
Silver	328.07		10	2.0	P
Sodium	589.00		5000	42.0	P
Thallium	190.86		10	3.0	P
Vanadium	292.40		50	1.0	P
Zinc	213.86		20	4.0	P
Cyanide			10		NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEAMY3S

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEAMY1
Matrix: __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	1921.0970		118.3340	B	2000.00	90.1		P
Antimony	75-125	449.7750		5.0000	U	500.00	90.0		P
Arsenic	75-125	59.2350		16.1310		40.00	107.8		P
Barium	75-125	2169.2940		387.0200		2000.00	89.1		P
Beryllium	75-125	52.7660		1.0000	U	50.00	105.5		P
Cadmium	75-125	44.6080		1.0000	U	50.00	89.2		P
Calcium									NR
Chromium	75-125	179.9250		1.0000	U	200.00	90.0		P
Cobalt	75-125	445.3280		1.0000	U	500.00	89.1		P
Copper	75-125	221.4100		7.7540	B	250.00	85.5		P
Iron		24403.6630		24417.2130		1000.00	-1.4		P
Lead	75-125	18.6920		2.0000	U	20.00	93.5		P
Magnesium									NR
Manganese	75-125	1066.6060		640.9620		500.00	85.1		P
Mercury	75-125	0.9560		0.5370		0.50	83.8		CV
Nickel	75-125	451.9750		1.0880	B	500.00	90.2		P
Potassium									NR
Selenium	75-125	13.3870		3.0000	U	10.00	133.9	N	P
Silver	75-125	46.7820		2.0000	U	50.00	93.6		P
Sodium									NR
Thallium	75-125	48.5540		3.2230	B	50.00	90.7		P
Vanadium	75-125	441.0620		2.6640	B	500.00	87.7		P
Zinc	75-125	485.2060		26.8560		500.00	91.7		P
Cyanide	75-125	104.5410		1.0000	U	100.00	104.5		CA

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEAMY3A

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136

Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1

Matrix: WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium		11.91		3.00	U	10.0	119.1		P
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

4.0

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3
BLANKS

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEAMY1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
[illegible]											NR
[illegible]											NR
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.10	U	CV
Nickel											NR
Potassium											NR
Selenium	3.0	U	3.0	U	3.0	U	3.0	U			P
Silver											NR
Sodium	42.0	U	42.0	U	42.0	U					P
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

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3
BLANKS

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEAMY1

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel											NR
Potassium											NR
Selenium			3.0	U							P
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFB5

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136

Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1

Matrix (soil/water): WATER Lab Sample ID: 38101.06

Level (low/med): LOW Date Received: 04/16/99

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	1.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	24.5	B		P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	13.1	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	55.0	U		P
7439-96-5	Manganese	1.0	U		P
7439-97-6	Mercury	0.10	U	*	CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	19.0	U		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	231	B		P
7440-28-0	Thallium	4.4	B		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	4.4	B		P
	Cyanide	1.2	B		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3
BLANKS

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEAMY1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.0	U	9.0	U	9.1	B	15.1	B	9.00	U	P
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.00	U	P
Arsenic	2.0	U	-2.1	B	2.0	U	-2.7	B	-2.17	B	P
Barium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Calcium	19.0	U	19.0	U	19.0	U	19.0	U	19.00	U	P
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Copper	3.0	U	3.0	U	3.0	U	3.0	U	3.00	U	P
·on	13.0	U	13.0	U	13.0	U	13.0	U	13.00	U	P
·ead	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Magnesium	55.0	U	55.0	U	55.0	U	55.0	U	55.00	U	P
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.10	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Potassium	19.0	U	-29.5	B	19.0	U	-28.0	B	19.00	U	P
Selenium	3.0	U	3.0	U	3.6	B	3.0	U	3.00	U	P
Silver	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Sodium	42.0	U	42.0	U	42.0	U	42.0	U	44.68	B	P
Thallium	3.0	U	3.0	U	3.0	U	3.0	U	5.73	B	P
Vanadium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.00	U	P
Cyanide	1.0	U	1.0	B	1.0	U	1.0	U	1.00	U	CA

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFB1

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136

Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1

Matrix (soil/water): WATER Lab Sample ID: 38101.04

Level (low/med): LOW Date Received: 04/16/99

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	24.6			P
7440-39-3	Barium	383			P
7440-41-7	Beryllium	2.8	B		P
7440-43-9	Cadmium	4.3	B		P
7440-70-2	Calcium	309000			P
7440-47-3	Chromium	33.3			P
7440-48-4	Cobalt	11.8	B		P
7440-50-8	Copper	106			P
7439-89-6	Iron	50600			P
7439-92-1	Lead	967			P
7439-95-4	Magnesium	193000			P
7439-96-5	Manganese	1980			P
7439-97-6	Mercury	0.31		*	CV
7440-02-0	Nickel	33.0	B		P
7440-09-7	Potassium	36800			P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	135000			P
7440-28-0	Thallium	5.0	B		P
7440-62-2	Vanadium	39.6	B		P
7440-66-6	Zinc	1500			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFB2

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1
Matrix (soil/water): WATER Lab Sample ID: 38101.05
Level (low/med): LOW Date Received: 04/16/99
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	254			P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	163	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	158000			P
7440-47-3	Chromium	5.1	B		P
7440-48-4	Cobalt	9.6	B		P
7440-50-8	Copper	21.7	B		P
7439-89-6	Iron	4210			P
7439-92-1	Lead	6.7			P
7439-95-4	Magnesium	77000			P
7439-96-5	Manganese	1270			P
7439-97-6	Mercury	0.10	U	*	CV
7440-02-0	Nickel	12.3	B		P
7440-09-7	Potassium	6780			P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	102000			P
7440-28-0	Thallium	5.0	B		P
7440-62-2	Vanadium	2.9	B		P
7440-66-6	Zinc	39.6			P
	Cyanide	1.9	B		CA

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

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEAMY2

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1
Matrix (soil/water): WATER Lab Sample ID: 38101.02
Level (low/med): LOW Date Received: 04/16/99
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	316			P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	5.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	48900			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	1190			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	18400			P
7439-96-5	Manganese	86.3			P
7439-97-6	Mercury	0.10	U	*	CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	1680	B		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	13.1	B		P
	Cyanide	1.6	B		CA

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

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEAMY3

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEAMY1
Matrix (soil/water): WATER Lab Sample ID: 38101.03
Level (low/med): LOW Date Received: 04/16/99
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	118	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	16.1			P
7440-39-3	Barium	387			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	96000			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	7.8	B		P
7439-89-6	Iron	24400			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	33600			P
7439-96-5	Manganese	641			P
7439-97-6	Mercury	0.54		*	CV
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	2470	B		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	22900			P
7440-28-0	Thallium	3.2	B		P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	26.9			P
	Cyanide	1.0	U		CA

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

Comments:

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.:MEAMY1

SOW No.: ILM04.0

EPA Sample No.	Lab Sample ID
MEAMY1	38101.01
MEAMY2	38101.02
MEAMY3	38101.03
MEAMY3D	38101.03D
MEAMY3S	38101.03S
MEBFB1	38101.04
MEBFB2	38101.05
MEBFB5	38101.06

MAY 21 1999

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Deborah J. Inman

Date: May 14, 1999 Title: Inorganic Program Manager

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEAMY1

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D5-0136
Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEAMY1
Matrix (soil/water): WATER Lab Sample ID: 38101.01
Level (low/med): LOW__ Date Received: 04/16/99
% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	331			P
7440-36-0	Antimony_	5.0	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	65.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium__	1.0	U		P
7440-70-2	Calcium__	162000			P
7440-47-3	Chromium_	2.3	B		P
7440-48-4	Cobalt___	3.5	B		P
7440-50-8	Copper___	5.9	B		P
7439-89-6	Iron_____	3160			P
7439-92-1	Lead_____	2.4	B		P
7439-95-4	Magnesium	69700			P
7439-96-5	Manganese	421			P
7439-97-6	Mercury__	0.10	U	*	CV
7440-02-0	Nickel___	5.7	B		P
7440-09-7	Potassium	6400			P
7782-49-2	Selenium_	6.4		N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	654000			P
7440-28-0	Thallium_	3.4	B		P
7440-62-2	Vanadium_	2.1	B		P
7440-66-6	Zinc_____	21.7			P
	Cyanide__	6.3	B		CA

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

Comments:

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14
ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: LACHAT_____ Method: CA

Start Date: 04/23/99 End Date: 04/23/99

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MEBFJ3	1.00	1219																									X
MEBFJ4	1.00	1220																									X
MEBFJ5	1.00	1221																									X
MEBFJ6	1.00	1222																									X
CCV	1.00	1222																									X
CCB	1.00	1223																									X

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on May 21, 1999

FROM: Stephen L. Ostrodka, Chief (HSRL-5J)
Superfund Technical Support Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Diamond Scrap Yard (IL)

CASE NUMBER: 26925 SDG NUMBER: MEAMY1

Number and Type of Samples: 6 (water)

Sample Numbers: MEAMY1-3 MEBFB1-2, 5

Laboratory: SWOK Hrs. for Review:

Following are our findings:

RECEIVED
MAY 26 1999
IEPA-BOL-FSRS

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

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14
ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: PS200A_____ Method: CV

Start Date: 04/27/99 End Date: 04/27/99

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1243																									
CCV	1.00	1245																X									
CCB	1.00	1248																X									
ZZZZZZ	1.00	1251																									
PBS	1.00	1253																X									
LCSS	10.00	1256																X									
MEBFH1	1.00	1259																X									
MEBFH2	1.00	1301																X									
MEBFH2S	1.00	1304																X									
MEBFH2D	1.00	1307																X									
MEBFH3	1.00	1309																X									
MEBFH4	1.00	1312																X									
MEBFH5	1.00	1314																X									
	1.00	1317																X									
CCB	1.00	1320																X									
MEBFH6	1.00	1323																X									
MEBFH7	1.00	1325																X									
MEBFH8	1.00	1328																X									
MEBFH9	1.00	1331																X									
MEBFJ0	1.00	1333																X									
MEBFJ1	1.00	1336																X									
MEBFJ2	1.00	1339																X									
MEBFJ3	1.00	1341																X									
MEBFJ4	1.00	1344																X									
MEBFJ5	1.00	1347																X									
CCV	1.00	1349																X									
CCB	1.00	1352																X									
MEBFJ6	1.00	1355																X									
CCV	1.00	1357																X									
CCB	1.00	1400																X									

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14
ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: LACHAT_____ Method: CA

Start Date: 04/23/99 End Date: 04/23/99

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S200	1.00	1147		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S150	1.00	1148		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S100	1.00	1149		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S50	1.00	1150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S10	1.00	1151		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S5	1.00	1152		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S0	1.00	1153		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
ICV	1.00	1157		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
ICB	1.00	1157		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCV	1.00	1158		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCB	1.00	1159		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
PBS	1.00	1201		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
SS	1.00	1202		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ZZZZ	1.00	1202		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MEBFH1	1.00	1203		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH2	1.00	1204		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH2D	1.00	1205		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCV	1.00	1205		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCB	1.00	1206		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH2S	1.00	1208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH3	1.00	1209		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH4	1.00	1210		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH5	1.00	1210		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH6	1.00	1211		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH7	1.00	1212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH8	1.00	1213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFH9	1.00	1213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCV	1.00	1214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCB	1.00	1215		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFJ0	1.00	1217		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFJ1	1.00	1218		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEBFJ2	1.00	1219		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: TJA ET1_____ Method: P_

Start Date: 05/03/99 End Date: 05/03/99

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1912				X							X				X									X	
S	1.00	1918				X							X				X									X	
ICV	1.00	1924				X							X				X									X	
ICB	1.00	1930				X							X				X									X	
CRI	1.00	1937				X							X				X									X	
ICSA	1.00	1943				X							X				X									X	
ICSAB	1.00	1950				X							X				X									X	
CCV	1.00	1956				X							X				X									X	
CCB	1.00	2003				X							X				X									X	
MEBFH7	10.00	2009											X													X	
MEBFJ4	5.00	2016																								X	
MEBFJ5	5.00	2022																								X	
[illegible]H2A	1.00	2029				X							X				X										
[illegible]Z	1.00	2035																									
ZZZZZZ	1.00	2043																									
CCV	1.00	2050				X							X				X									X	
CCB	1.00	2056				X							X				X									X	
ZZZZZZ	1.00	2103																									
ZZZZZZ	1.00	2109																									
ZZZZZZ	1.00	2118																									
CRI	1.00	2125				X							X				X									X	
ICSA	1.00	2131				X							X				X									X	
ICSAB	1.00	2138				X							X				X									X	
CCV	1.00	2144				X							X				X									X	
CCB	1.00	2151				X							X				X									X	

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: PS200A_____ Method: CV

Start Date: 04/27/99 End Date: 04/27/99

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1002		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S0.2	1.00	1005		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S0.5	1.00	1007		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S1	1.00	1010		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S5	1.00	1013		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S10	1.00	1015		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICV	1.00	1021		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICB	1.00	1024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CRA	1.00	1026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1029		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1032		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1147		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1152		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1155		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1158		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1203		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1206		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1211		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1216		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1219		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1222		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1224		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1227		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1229		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1235		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1237		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1240		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: TJA ET1_____ Method: P_

Start Date: 05/02/99 End Date: 05/03/99

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	2220		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.00	2226		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICV	1.00	2232		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB	1.00	2238		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CRI	1.00	2246			X	X		X	X		X	X	X		X		X	_	X		X	X		X	X	X	_
ICSA	1.00	2252		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	2259		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	2305		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	2312		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
PBS	1.00	2318		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
LCSS	1.00	2325		X	X	X	X	X	X		X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
LCSS	5.00	2331								X								_									_
MEBFH1	1.00	2338		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH2	1.00	2344		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH2D	1.00	2351		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH2S	1.00	2357			X	X	X	X	X		X	X	X		X		X	_	X		X	X		X	X	X	_
MEBFH3	1.00	0004		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH2L	5.00	0011		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	0018																_									_
CCV	1.00	0025		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	0031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH4	1.00	0038		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH5	1.00	0044		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH6	1.00	0051		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH7	1.00	0058		X	X	X	X	X	X	X	X	X		X	X	X	X	_	X	X	X	X	X	X	X		_
MEBFH8	1.00	0104		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MEBFH9	1.00	0111		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	0118																_									_
CRI	1.00	0125		_	X	X	_	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICSA	1.00	0131		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	0138		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	0144		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
																		_									_

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925_ SAS No.: _____ SDG No.:MEBFH1

Instrument ID Number: TJA ET1_____ Method: P_

Start Date: 05/02/99 End Date: 05/03/99

EPA Sample No.	D/F	Time	% R	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
				Analytes																							
CCB	1.00	0151		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBFJ0	1.00	0157		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBFJ1	1.00	0204		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBFJ2	1.00	0211		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBFJ3	1.00	0217		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBFJ4	1.00	0224		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
MEBFJ5	1.00	0230		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
MEBFJ6	1.00	0237		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	0244																									
CCV	1.00	0251		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	0258		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	0304			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	0311		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	0317		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	0324		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	0330		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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PREPARATION LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.:_26925 SAS No.: _____ SDG No.:MEBFH1

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	04/27/99	0.20	100
MEBFH1	04/27/99	0.20	100
MEBFH2	04/27/99	0.20	100
MEBFH2D	04/27/99	0.20	100
MEBFH2S	04/27/99	0.20	100
MEBFH3	04/27/99	0.20	100
MEBFH4	04/27/99	0.22	100
MEBFH5	04/27/99	0.24	100
MEBFH6	04/27/99	0.20	100
MEBFH7	04/27/99	0.20	100
MEBFH8	04/27/99	0.20	100
MEBFH9	04/27/99	0.23	100
MEBFJ0	04/27/99	0.20	100
MEBFJ1	04/27/99	0.22	100
MEBFJ2	04/27/99	0.20	100
MEBFJ3	04/27/99	0.20	100
MEBFJ4	04/27/99	0.25	100
MEBFJ5	04/27/99	0.21	100
MEBFJ6	04/27/99	0.20	100
PBS	04/27/99	0.20	100

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PREPARATION LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.:_26925 SAS No.: _____ SDG No.:MEBFH1

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	04/22/99	1.00	50
MEBFH1	04/22/99	1.01	50
MEBFH2	04/22/99	1.01	50
MEBFH2D	04/22/99	1.01	50
MEBFH2S	04/22/99	1.01	50
MEBFH3	04/22/99	1.04	50
MEBFH4	04/22/99	1.05	50
MEBFH5	04/22/99	1.02	50
MEBFH6	04/22/99	1.01	50
MEBFH7	04/22/99	1.02	50
MEBFH8	04/22/99	1.02	50
MEBFH9	04/22/99	1.04	50
MEBFJ0	04/22/99	1.02	50
MEBFJ1	04/22/99	1.04	50
MEBFJ2	04/22/99	1.05	50
MEBFJ3	04/22/99	1.02	50
MEBFJ4	04/22/99	1.05	50
MEBFJ5	04/22/99	1.01	50
MEBFJ6	04/22/99	1.01	50
PBS	04/22/99	1.00	50

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Instrument Detection Limits (Quarterly)

ame: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1
ICP ID Number: _____ Date: 04/23/99
Flame AA ID Number : LACHAT_____
Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide	578.00		10	2.0	CA

omments:

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PREPARATION LOG

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.:_26925 SAS No.: _____ SDG No.:MEBFH1

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	04/26/99	1.00	200
MEBFH1	04/26/99	1.01	200
MEBFH2	04/26/99	1.00	200
MEBFH2D	04/26/99	1.00	200
MEBFH2S	04/26/99	1.00	200
MEBFH3	04/26/99	1.01	200
MEBFH4	04/26/99	1.02	200
MEBFH5	04/26/99	1.01	200
MEBFH6	04/26/99	1.02	200
MEBFH7	04/26/99	1.01	200
MEBFH8	04/26/99	1.02	200
MEBFH9	04/26/99	1.01	200
MEBFJ0	04/26/99	1.01	200
MEBFJ1	04/26/99	1.01	200
MEBFJ2	04/26/99	1.03	200
MEBFJ3	04/26/99	1.01	200
MEBFJ4	04/26/99	1.00	200
MEBFJ5	04/26/99	1.00	200
MEBFJ6	04/26/99	1.03	200
PBS	04/26/99	1.00	200

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Instrument Detection Limits (Quarterly)

ame: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1
ICP ID Number: TJA_ET1_____ Date: 04/08/99
Flame AA ID Number : _____
Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	9.0	P
Antimony	217.58		60	5.0	P
Arsenic	189.04		10	2.0	P
Barium	493.41		200	1.0	P
Beryllium	313.04		5	1.0	P
Cadmium	228.80		5	1.0	P
Calcium	317.93		5000	19.0	P
Chromium	267.72		10	1.0	P
Cobalt	228.62		50	1.0	P
Copper	324.75		25	3.0	P
Iron	259.94		100	13.0	P
Lead	220.35		3	2.0	P
Magnesium	279.08		5000	55.0	P
Manganese	257.61		15	1.0	P
Mercury			0.2		NR
Nickel	221.60		40	1.0	P
Potassium	776.49		5000	19.0	P
Selenium	203.99		5	3.0	P
Silver	328.07		10	2.0	P
Sodium	588.99		5000	42.0	P
Thallium	190.86		10	3.0	P
Vanadium	292.40		50	1.0	P
Zinc	213.86		20	4.0	P
Cyanide			10		NR

omments:

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Instrument Detection Limits (Quarterly)

Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1
ICP ID Number: _____ Date: 04/06/99
Flame AA ID Number : PS200A_____
Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	254.00		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:

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LABORATORY CONTROL SAMPLE

ame: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1

Solid LCS Source: EPA0287_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				325.0	256.0		193.1	424.2	78.8
Antimony				211.0	220.7		129.4	297.2	104.6
Arsenic				917.0	917.1		613.6	1247.2	100.0
Barium				4.8	6.4	B	2.5	8.1	133.3
Beryllium				19.4	20.0		15.3	22.2	103.1
Cadmium				45.4	41.9		32.1	51.1	92.3
Calcium				196200.0	200272.5		142933.0	225376.0	102.1
Chromium				99.6	104.2		77.8	115.2	104.6
Cobalt				144.0	137.6		115.4	165.6	95.6
Copper				6910.0	7020.3		5727.3	7633.1	101.6
Iron				22430.0	18963.0		16831.3	25193.0	84.5
Lead				236.0	213.8		167.6	280.5	90.6
Magnesium				118100.0	115720.8		97493.0	128886.0	98.0
Manganese				208.0	216.1		167.9	234.4	103.9
[illegible]ry				12.7	10.5		7.8	16.9	82.7
[illegible]l				60.9	55.1		43.5	70.1	90.5
Potassium				50.0	59.9	B	0.0	379.3	119.8
Selenium				39.2	38.0		17.6	56.4	96.9
Silver				22.2	20.9		13.2	28.5	94.1
Sodium				50.0	287.5	B	0.0	277.4	575.0
Thallium				39.0	39.9		24.6	51.6	102.3
Vanadium				65.8	69.1		53.0	78.6	105.0
Zinc				187.0	157.4		127.7	222.1	84.2
Cyanide				5.6	6.7		4.1	7.1	119.6

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ICP SERIAL DILUTION

EPA SAMPLE NO.

MEBFH2L

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	21681.34		22778.50		5.1		P
Antimony	8.02	B	25.00	U	100.0		P
Arsenic	58.46		53.29		8.8		P
Barium	566.00		584.77	B	3.3		P
Beryllium	6.52		6.87	B	5.4		P
Cadmium	7.16		7.81	B	9.1		P
Calcium	121908.17		128980.88		5.8		P
Chromium	55.81		58.67		5.1		P
Cobalt	19.23	B	22.14	B	15.1		P
Copper	260.66		267.62		2.7		P
Iron	104652.58		109733.30		4.9		P
Lead	2065.12		2216.98		7.4		P
Magnesium	52822.27		54500.38		3.2		P
Manganese	1276.77		1335.54		4.6		P
Mercury							NR
Nickel	62.25		64.67	B	3.9		P
Potassium	3392.22	B	3905.76	B	15.1	E	P
Selenium	3.74	B	15.00	U	100.0		P
Silver	2.00	U	10.00	U			P
Sodium	3049.04	B	3215.30	B	5.5		P
Thallium	3.05	B	15.00	U	100.0		P
Vanadium	88.54		94.77	B	7.0		P
Zinc	2731.38		2969.12		8.7		P
Cyanide							NR

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5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEBFH2A

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1

Matrix: ____SOIL_____ Level (low/med): LOW_____

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic		208.78		58.46		117.0	128.5		P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper		828.95		260.66		521.0	109.1		P
Iron									NR
Lead									NR
[illegible]gnesium									NR
[illegible]nese		3832.82		1276.77		2550.0	100.2		P
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

omments:

4.0

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6
DUPLICATES

EPA SAMPLE NO.

MEBFH2D

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _78.4 % Solids for Duplicate: __78.4

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5530.9536		5069.2867		8.7		P
Antimony		2.0467	B	2.2806	B	10.8		P
Arsenic		14.9140		13.7480		8.1		P
Barium	51.0204	144.3888		131.9870		9.0		P
Beryllium	1.2755	1.6638		1.5202		9.0		P
Cadmium	1.2755	1.8263		1.6834		8.1		P
Calcium		31099.0219		28504.4474		8.7		P
Chromium		14.2365		12.9883		9.2		P
Cobalt		4.9064	B	4.5015	B	8.6		P
Copper		66.4954		60.6982		9.1		P
Iron		26697.0862		24415.3758		8.9		P
Lead		526.8153		483.6298		8.5		P
Magnesium		13475.0696		12321.1755		8.9		P
Manganese		325.7056		297.8143		8.9		P
Mercury	0.1276	0.3801		0.3960		4.1		CV
Nickel	10.2041	15.8793		14.5135		9.0		P
Potassium		865.3622	B	802.9082	B	7.5		P
Selenium	1.2755	0.9533	B	1.3033		31.0		P
Silver		0.5102	U	0.5102	U			P
Sodium		777.8176	B	720.5061	B	7.7		P
Thallium		0.7770	B	1.5023	B	63.6		P
Vanadium	12.7551	22.5870		20.7418		8.5		P
Zinc		696.7804		638.5967		8.7		P
Cyanide		0.4331	B	0.5156	B	17.4		CA

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3
BLANKS

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			9.0	U	9.0	U					P
Antimony			5.0	U	5.0	U					P
Arsenic			-2.1	B	-2.4	B					P
Barium			1.0	U	1.0	U					P
Beryllium			1.0	U	1.0	U					P
Cadmium			1.0	U	1.0	U					P
Calcium			19.0	U	19.0	U					P
Chromium			1.0	U	1.0	U					P
Cobalt			1.0	U	1.0	U					P
Copper			3.0	U	3.0	U					P
Iron			13.0	U	13.0	U					P
d[illegible]			2.0	U	2.0	U					P
nesg[illegible]sium			55.0	U	55.0	U					P
Manganese			1.0	U	1.0	U					P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			1.0	U	1.0	U					P
Potassium			19.0	U	19.0	U					P
Selenium			3.0	U	3.0	U					P
Silver			2.0	U	2.0	U					P
Sodium			42.0	U	42.0	U					P
Thallium			3.0	U	3.0	U					P
Vanadium			1.0	U	1.0	U					P
Zinc			4.0	U	4.0	U					P
Cyanide			2.0	U							CA

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEBFH2S

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1
Matrix: SOIL Level (low/med): LOW
% Solids for Sample: 78.4

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	111.4913		2.0467	B	127.55	85.8		P
Arsenic	75-125	21.6901		14.9140		10.20	66.4	N	P
Barium	75-125	625.9633		144.3888		510.20	94.4		P
Beryllium	75-125	16.1709		1.6638		12.76	113.7		P
Cadmium	75-125	13.8202		1.8263		12.76	94.0		P
Calcium									NR
Chromium	75-125	63.3089		14.2365		51.02	96.2		P
Cobalt	75-125	132.1258		4.9064	B	127.55	99.7		P
Copper	75-125	102.1135		66.4954		63.78	55.8	N	P
Iron									NR
Lead		319.7071		526.8153		5.10	-4060.9		P
Magnesium									NR
Manganese	75-125	316.3482		325.7056		127.55	-7.3	N	P
Mercury	75-125	0.9885		0.3801		0.64	95.1		CV
Nickel	75-125	140.2276		15.8793		127.55	97.5		P
Potassium									NR
Selenium	75-125	3.4860		0.9533	B	2.55	99.3		P
Silver	75-125	13.0112		0.5102	U	12.76	102.0		P
Sodium									NR
Thallium	75-125	13.1577		0.7770	B	12.76	97.0		P
Vanadium	75-125	144.6156		22.5870		127.55	95.7		P
Zinc		551.7439		696.7804		127.55	-113.7		P
Cyanide	75-125	6.0197		0.4331	B	6.31	88.5		CA

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ6

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.16
Level (low/med): LOW Date Received: 04/16/99
% Solids: 85.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1940			P
7440-36-0	Antimony	4.7	B		P
7440-38-2	Arsenic	4.1		N	P
7440-39-3	Barium	21.4	B		P
7440-41-7	Beryllium	2.9			P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	45600			P
7440-47-3	Chromium	17.4			P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	304		N	P
7439-89-6	Iron	12800			P
7439-92-1	Lead	153			P
7439-95-4	Magnesium	25100			P
7439-96-5	Manganese	425		N	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	26.1			P
7440-09-7	Potassium	220	B	E	P
7782-49-2	Selenium	0.69	U		P
7440-22-4	Silver	0.46	U		P
7440-23-5	Sodium	1230			P
7440-28-0	Thallium	0.69	U		P
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	2070			P
	Cyanide	0.22	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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3
BLANKS

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.: MEBFH1

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.0	U	9.0	U	9.0	U	9.0	U	1.80	U	P
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	1.00	U	P
Arsenic	2.0	U	2.0	U	-3.1	B	2.0	U	-0.60	B	P
Barium	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Calcium	19.0	U	19.0	U	19.0	U	19.0	U	3.80	B	P
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Copper	3.0	U	3.0	U	3.0	U	3.0	U	0.60	U	P
Iron	13.0	U	13.0	U	13.0	U	13.0	U	4.83	B	P
Lead	2.0	U	2.0	U	2.0	U	2.0	U	0.40	U	P
Magnesium	55.0	U	55.0	U	55.0	U	55.0	U	11.00	U	P
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Mercury	0.1	B	0.1	B	0.1	B	0.1	B	0.05	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Potassium	19.0	U	19.0	U	19.0	U	19.0	U	6.87	B	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	0.60	U	P
Silver	2.0	U	2.0	U	2.0	U	2.0	U	0.40	U	P
Sodium	42.0	U	42.0	U	42.0	U	42.0	U	10.20	B	P
Thallium	3.0	U	3.0	U	3.0	U	3.0	U	0.81	B	P
Vanadium	1.0	U	1.0	U	1.0	U	1.0	U	0.20	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	1.18	B	P
Cyanide	2.0	U	2.0	B	2.0	U	2.0	U	0.11	B	CA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ4

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.14
Level (low/med): LOW Date Received: 04/16/99
% Solids: 81.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2630			P
7440-36-0	Antimony	13.4	B		P
7440-38-2	Arsenic	2.9		N	P
7440-39-3	Barium	109			P
7440-41-7	Beryllium	4.9			P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	5.0	B		P
7440-50-8	Copper	3320		N	P
7439-89-6	Iron	15100			P
7439-92-1	Lead	355			P
7439-95-4	Magnesium	59900			P
7439-96-5	Manganese	825		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	47.8			P
7440-09-7	Potassium	264	B	E	P
7782-49-2	Selenium	0.73	U		P
7440-22-4	Silver	0.86	B		P
7440-23-5	Sodium	1820			P
7440-28-0	Thallium	0.80	B		P
7440-62-2	Vanadium	7.8	B		P
7440-66-6	Zinc	3750			P
	Cyanide	0.22	B		CA

olor Before: BROWN Clarity Before: Texture: MEDIUM
olor After: YELLOW Clarity After: Artifacts:

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ5

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.15
Level (low/med): LOW Date Received: 04/16/99
% Solids: 84.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3070			P
7440-36-0	Antimony	6.6	B		P
7440-38-2	Arsenic	7.5		N	P
7440-39-3	Barium	32.7	B		P
7440-41-7	Beryllium	4.3			P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	46600			P
7440-47-3	Chromium	15.5			P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Copper	739		N	P
7439-89-6	Iron	24500			P
7439-92-1	Lead	497			P
7439-95-4	Magnesium	26600			P
7439-96-5	Manganese	589		N	P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	36.0			P
7440-09-7	Potassium	367	B	E	P
7782-49-2	Selenium	0.71	U		P
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	1800			P
7440-28-0	Thallium	0.71	U		P
7440-62-2	Vanadium	8.4	B		P
7440-66-6	Zinc	3420			P
	Cyanide	0.41	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ2

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.12
Level (low/med): LOW Date Received: 04/16/99
% Solids: 83.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1910			P
7440-36-0	Antimony	1.9	B		P
7440-38-2	Arsenic	14.8		N	P
7440-39-3	Barium	16.6	B		P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	8.0			P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	87.1		N	P
7439-89-6	Iron	13300			P
7439-92-1	Lead	56.9			P
7439-95-4	Magnesium	49500			P
7439-96-5	Manganese	554		N	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	12.3			P
7440-09-7	Potassium	384	B	E	P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	1000	B		P
7440-28-0	Thallium	0.70	U		P
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	942			P
	Cyanide	0.21	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ3

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.13
Level (low/med): LOW Date Received: 04/16/99
% Solids: 82.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1360			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	5.1		N	P
7440-39-3	Barium	12.9	B		P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	59200			P
7440-47-3	Chromium	18.9			P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	47.9		N	P
7439-89-6	Iron	18700			P
7439-92-1	Lead	95.1			P
7439-95-4	Magnesium	34400			P
7439-96-5	Manganese	351		N	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	15.7			P
7440-09-7	Potassium	264	B	E	P
7782-49-2	Selenium	0.72	U		P
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	512	B		P
7440-28-0	Thallium	0.72	U		P
7440-62-2	Vanadium	6.4	B		P
7440-66-6	Zinc	275			P
	Cyanide	0.28	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ0

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.10
Level (low/med): LOW Date Received: 04/16/99
% Solids: 80.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5740			P
7440-36-0	Antimony	1.6	B		P
7440-38-2	Arsenic	8.4		N	P
7440-39-3	Barium	97.0			P
7440-41-7	Beryllium	0.67	B		P
7440-43-9	Cadmium	2.0			P
7440-70-2	Calcium	16800			P
7440-47-3	Chromium	18.0			P
7440-48-4	Cobalt	8.4	B		P
7440-50-8	Copper	116		N	P
7439-89-6	Iron	18000			P
7439-92-1	Lead	234			P
7439-95-4	Magnesium	10100			P
7439-96-5	Manganese	612		N	P
7439-97-6	Mercury	0.57			CV
7440-02-0	Nickel	21.6			P
7440-09-7	Potassium	802	B	E	P
7782-49-2	Selenium	0.74	U		P
7440-22-4	Silver	0.49	U		P
7440-23-5	Sodium	642	B		P
7440-28-0	Thallium	1.3	B		P
7440-62-2	Vanadium	16.0			P
7440-66-6	Zinc	522			P
	Cyanide	0.57	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFJ1

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.11
Level (low/med): LOW Date Received: 04/16/99
% Solids: 91.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1120			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	2.1	B	N	P
7440-39-3	Barium	6.9	B		P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	47500			P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	7.0		N	P
7439-89-6	Iron	5420			P
7439-92-1	Lead	4.4			P
7439-95-4	Magnesium	29000			P
7439-96-5	Manganese	327		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	5.9	B		P
7440-09-7	Potassium	236	B	E	P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.43	U		P
7440-23-5	Sodium	409	B		P
7440-28-0	Thallium	0.65	U		P
7440-62-2	Vanadium	4.6	B		P
7440-66-6	Zinc	30.8			P
	Cyanide	0.12	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH8

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.08
Level (low/med): LOW Date Received: 04/16/99
% Solids: 90.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8580			P
7440-36-0	Antimony	9.6	B		P
7440-38-2	Arsenic	14.2		N	P
7440-39-3	Barium	327			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	15.8			P
7440-70-2	Calcium	56300			P
7440-47-3	Chromium	50.7			P
7440-48-4	Cobalt	6.3	B		P
7440-50-8	Copper	654		N	P
7439-89-6	Iron	44900			P
7439-92-1	Lead	677			P
7439-95-4	Magnesium	18900			P
7439-96-5	Manganese	629		N	P
7439-97-6	Mercury	1.2			CV
7440-02-0	Nickel	52.0			P
7440-09-7	Potassium	442	B	E	P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	699	B		P
7440-28-0	Thallium	0.65	U		P
7440-62-2	Vanadium	11.9			P
7440-66-6	Zinc	1180			P
	Cyanide	0.77			CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH9

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.09
Level (low/med): LOW Date Received: 04/16/99
% Solids: 87.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	875			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	2.5		N	P
7440-39-3	Barium	7.1	B		P
7440-41-7	Beryllium	0.23	U		P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	12.4		N	P
7439-89-6	Iron	5140			P
7439-92-1	Lead	9.1			P
7439-95-4	Magnesium	32500			P
7439-96-5	Manganese	318		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	196	B	E	P
7782-49-2	Selenium	0.68	U		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	431	B		P
7440-28-0	Thallium	0.68	U		P
7440-62-2	Vanadium	5.6	B		P
7440-66-6	Zinc	35.2			P
	Cyanide	0.14	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH6

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.06
Level (low/med): LOW Date Received: 04/16/99
% Solids: 87.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25800			P
7440-36-0	Antimony	8.7	B		P
7440-38-2	Arsenic	15.2		N	P
7440-39-3	Barium	269			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	7.1			P
7440-70-2	Calcium	38000			P
7440-47-3	Chromium	168			P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	1320		N	P
7439-89-6	Iron	119000			P
7439-92-1	Lead	760			P
7439-95-4	Magnesium	19900			P
7439-96-5	Manganese	1170		N	P
7439-97-6	Mercury	2.9			CV
7440-02-0	Nickel	191			P
7440-09-7	Potassium	332	B	E	P
7782-49-2	Selenium	147			P
7440-22-4	Silver	0.62	B		P
7440-23-5	Sodium	469	B		P
7440-28-0	Thallium	1.4	B		P
7440-62-2	Vanadium	20.7			P
7440-66-6	Zinc	1220			P
	Cyanide	0.55	B		CA

olor Before: BROWN Clarity Before: Texture: MEDIUM
olor After: YELLOW Clarity After: Artifacts:

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH7

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.07
Level (low/med): LOW Date Received: 04/16/99
% Solids: 81.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	142000			P
7440-36-0	Antimony	69.1			P
7440-38-2	Arsenic	16.6		N	P
7440-39-3	Barium	616			P
7440-41-7	Beryllium	7.3			P
7440-43-9	Cadmium	66.4			P
7440-70-2	Calcium	31500			P
7440-47-3	Chromium	377			P
7440-48-4	Cobalt	14.0			P
7440-50-8	Copper	40700		N	P
7439-89-6	Iron	44000			P
7439-92-1	Lead	3630			P
7439-95-4	Magnesium	15600			P
7439-96-5	Manganese	1310		N	P
7439-97-6	Mercury	2.1			CV
7440-02-0	Nickel	372			P
7440-09-7	Potassium	432	B	E	P
7782-49-2	Selenium	10.6			P
7440-22-4	Silver	28.0			P
7440-23-5	Sodium	706	B		P
7440-28-0	Thallium	0.72	U		P
7440-62-2	Vanadium	37.5			P
7440-66-6	Zinc	11100			P
	Cyanide	1.3			CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH4

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.04
Level (low/med): LOW Date Received: 04/16/99
% Solids: 83.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6980			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	8.0		N	P
7440-39-3	Barium	52.0			P
7440-41-7	Beryllium	0.66	B		P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	46900			P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	45.1		N	P
7439-89-6	Iron	17900			P
7439-92-1	Lead	28.6			P
7439-95-4	Magnesium	26700			P
7439-96-5	Manganese	614		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	22.3			P
7440-09-7	Potassium	957	B	E	P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	465	B		P
7440-28-0	Thallium	0.77	B		P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	248			P
	Cyanide	0.14	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH5

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.05
Level (low/med): LOW Date Received: 04/16/99
% Solids: 78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7470			P
7440-36-0	Antimony	8.2	B		P
7440-38-2	Arsenic	12.3		N	P
7440-39-3	Barium	216			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	6.5			P
7440-70-2	Calcium	60600			P
7440-47-3	Chromium	52.0			P
7440-48-4	Cobalt	10.2	B		P
7440-50-8	Copper	403		N	P
7439-89-6	Iron	64700			P
7439-92-1	Lead	834			P
7439-95-4	Magnesium	33800			P
7439-96-5	Manganese	624		N	P
7439-97-6	Mercury	1.8			CV
7440-02-0	Nickel	71.2			P
7440-09-7	Potassium	501	B	E	P
7782-49-2	Selenium	0.75	U		P
7440-22-4	Silver	0.88	B		P
7440-23-5	Sodium	468	B		P
7440-28-0	Thallium	0.75	U		P
7440-62-2	Vanadium	14.1			P
7440-66-6	Zinc	2070			P
	Cyanide	0.64			CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH2

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.02
Level (low/med): LOW Date Received: 04/16/99
% Solids: 78.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5530			P
7440-36-0	Antimony	2.0	B		P
7440-38-2	Arsenic	14.9		N	P
7440-39-3	Barium	144			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	1.8			P
7440-70-2	Calcium	31100			P
7440-47-3	Chromium	14.2			P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	66.5		N	P
7439-89-6	Iron	26700			P
7439-92-1	Lead	527			P
7439-95-4	Magnesium	13500			P
7439-96-5	Manganese	326		N	P
7439-97-6	Mercury	0.38			CV
7440-02-0	Nickel	15.9			P
7440-09-7	Potassium	865	B	E	P
7782-49-2	Selenium	0.95	B		P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	778	B		P
7440-28-0	Thallium	0.78	B		P
7440-62-2	Vanadium	22.6			P
7440-66-6	Zinc	697			P
	Cyanide	0.43	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH3

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.03
Level (low/med): LOW Date Received: 04/16/99
% Solids: 88.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1190			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	3.6		N	P
7440-39-3	Barium	16.6	B		P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	77900			P
7440-47-3	Chromium	3.9			P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	8.3		N	P
7439-89-6	Iron	6320			P
7439-92-1	Lead	4.7			P
7439-95-4	Magnesium	48700			P
7439-96-5	Manganese	589		N	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	7.5	B		P
7440-09-7	Potassium	274	B	E	P
7782-49-2	Selenium	0.67	U		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	426	B		P
7440-28-0	Thallium	0.67	U		P
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	40.3			P
	Cyanide	0.13	B		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136

Lab Code: SWOK__ Case No.: 26925 SAS No.: _____ SDG No.:MEBFH1

SOW No.: ILM04.0

EPA Sample No.	Lab Sample ID
MEBFH1	38088.01
MEBFH2	38088.02
MEBFH2D	38088.02D
MEBFH2S	38088.02S
MEBFH3	38088.03
MEBFH4	38088.04
MEBFH5	38088.05
MEBFH6	38088.06
MEBFH7	38088.07
MEBFH8	38088.08
MEBFH9	38088.09
MEBFJ0	38088.10
MEBFJ1	38088.11
MEBFJ2	38088.12
MEBFJ3	38088.13
MEBFJ4	38088.14
MEBFJ5	38088.15
MEBFJ6	38088.16

MAY 21 1999

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

BATCH_ID'S: ICP_=_660425I3

MERCURY_=_990427HG5

CYANIDE_=_6604221202

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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Deborah J. Inman

Date: May 17, 1999 Title: Inorganics Program Manager

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEBFH1

Lab Name: SOUTHWEST_LAB_OF_OKLAHOMA Contract: 68-D5-0136
Lab Code: SWOK Case No.: 26925 SAS No.: SDG No.: MEBFH1
Matrix (soil/water): SOIL Lab Sample ID: 38088.01
Level (low/med): LOW Date Received: 04/16/99
% Solids: 80.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6820			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	9.5		N	P
7440-39-3	Barium	105			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	17500			P
7440-47-3	Chromium	20.4			P
7440-48-4	Cobalt	9.7	B		P
7440-50-8	Copper	107		N	P
7439-89-6	Iron	19900			P
7439-92-1	Lead	230			P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	681		N	P
7439-97-6	Mercury	0.48			CV
7440-02-0	Nickel	22.5			P
7440-09-7	Potassium	890	B	E	P
7782-49-2	Selenium	0.74	U		P
7440-22-4	Silver	0.49	U		P
7440-23-5	Sodium	395	B		P
7440-28-0	Thallium	0.74	U		P
7440-62-2	Vanadium	18.6			P
7440-66-6	Zinc	326			P
	Cyanide	0.63			CA

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

Comments:

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

Semivolatile Analysis Data - EBWB7
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
2531-84-2	PHENANTHRENE, 2-METHYL-	8.63	110.000	JN
	UNKNOWN	8.65	120.000	J
57-10-3	HEXADECANOIC ACID	8.70	200.000	JN
50-29-3	CHLOROPHENOTHANE	10.95	380.000	JN
	UNKNOWN	10.98	150.000	J
	UNKNOWN	12.78	410.000	J
	UNKNOWN	13.05	380.000	J
192-97-2	BENZO[E]PYRENE	13.28	260.000	JN
	UNKNOWN	15.42	530.000	J
	UNKNOWN	15.75	290.000	J
	UNKNOWN	16.27	400.000	J
	UNKNOWN	16.35	560.000	J
	UNKNOWN	17.22	150.000	J
	UNKNOWN	17.42	270.000	J

FILE NAME: EBWB7.SDG DATE: 05/24/99 TIME: 13:05 CADRE98 PAGE: 1

Semivolatile Analysis Data - EBWB8
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
719-22-2	2,5-CYCLOHEXADIENE-1,4-DIONE	5.90	82.000	JN

FILE NAME: EBWB7.SDG DATE: 05/24/99 TIME: 13:05 CADRE98 PAGE: 2

Semivolatile Analysis Data - EBWB9
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
103-65-1	BENZENE, PROPYL-	2.93	33000.000	JN
95-36-3	1,2,4-TRIMETHYLBENZENE	3.38	3900.000	JN
91-17-8	NAPHTHALENE, DECAHYDRO-	3.58	5200.000	JN
	UNKNOWN	3.88	4200.000	J
	UNKNOWN	3.98	4900.000	J
95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	4.12	11000.000	JN
119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	4.18	2900.000	JN
	UNKNOWN	4.48	3300.000	J
	UNKNOWN	4.55	4800.000	J
	UNKNOWN	4.82	7700.000	J
	UNKNOWN	5.17	3500.000	J
571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	5.92	3500.000	JN
1127-76-0	NAPHTHALENE, 1-ETHYL-	6.02	4400.000	JN
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.60	7600.000	JN
2131-42-2	NAPHTHALENE, 1,6,7-TRIMETHYL	6.68	8300.000	JN
	UNKNOWN	7.07	4800.000	J
490-65-3	NAPHTHALENE, 1-METHYL-7-(1-M	7.43	4500.000	JN
1730-37-6	9H-FLUORENE, 1-METHYL-	7.52	3500.000	JN
	UNKNOWN	7.73	2900.000	J
	UNKNOWN	8.38	3500.000	J
30995-64-3	METHYLDIBENZOTHIOPHENE	8.48	6700.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.70	5900.000	JN
832-64-4	PHENANTHRENE, 4-METHYL-	8.75	5400.000	JN
	UNKNOWN	8.88	6300.000	J
1207-15-4	2,8-DIMETHYLDIBENZO(B,D)THIO	9.03	3500.000	JN
3674-69-9	PHENANTHRENE, 4,5-DIMETHYL-	9.30	4200.000	JN
1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.35	5200.000	JN
3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.47	6800.000	JN
3674-65-5	PHENANTHRENE, 2,3,5-TRIMETHY	10.02	590.000	JN
	UNKNOWN	10.07	790.000	J

Semivolatile Analysis Data - EBWC6
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
95-13-6	INDENE	3.52	89.000	JN
581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	5.68	110.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.62	96.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.67	150.000	JN
57-10-3	HEXADECANOIC ACID	8.68	210.000	JN
3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.40	100.000	JN
789-02-6	O,P'-DDT	10.95	98.000	JN
	UNKNOWN	12.78	460.000	J
	UNKNOWN	13.05	1200.000	J
198-55-0	PERYLENE	13.27	210.000	JN
	UNKNOWN	15.42	470.000	J
	UNKNOWN	15.60	220.000	J
	UNKNOWN	15.75	200.000	J
	UNKNOWN	16.27	370.000	J
	UNKNOWN	16.35	620.000	J
	UNKNOWN	17.42	350.000	J

Semivolatile Analysis Data - EBWC7
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
111-46-6	ETHANOL, 2,2'-OXYBIS-	2.98	120.000	JN
	UNKNOWN	10.98	210.000	J

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Semivolatile Analysis Data - EBWD2
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
111-46-6	ETHANOL, 2,2'-OXYBIS-	2.98	160.000	JN
116-02-9	CYCLOHEXANOL, 3,3,5-TRIMETHY	3.52	110.000	JN
54676-39-0	CYCLOHEXANE, 2-BUTYL-1,1,3-T	4.45	83.000	JN
95-16-9	BENZOTHIAZOLE	4.53	120.000	JN
90-12-0	NAPHTHALENE, 1-METHYL-	5.03	93.000	JN
575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	5.68	86.000	JN
490-65-3	NAPHTHALENE, 1-METHYL-7-(1-M	7.33	88.000	JN
78-51-3	ETHANOL, 2-BUTOXY-, PHOSPHAT	10.98	290.000	JN
	UNKNOWN	12.77	150.000	J
198-55-0	PERYLENE	13.27	120.000	JN
	UNKNOWN	13.57	99.000	J
	UNKNOWN	14.10	3000.000	J
	UNKNOWN	15.60	80.000	J
	UNKNOWN	17.22	85.000	J

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Semivolatile Analysis Data - EBWC4
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
111-46-6	ETHANOL, 2,2'-OXYBIS-	2.98	160.000	JN
1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	3.50	77.000	JN
	UNKNOWN	10.33	110.000	J
	UNKNOWN	10.88	170.000	J
	UNKNOWN	10.98	220.000	J

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Semivolatile Analysis Data - EBWC5
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
3029-08-8	1,1'-BIPHENYL, 2,2'-DICHLORO	6.92	150.000	JN
	UNKNOWN	14.50	90.000	J

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Semivolatile Analysis Data - EBWC0
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	8.35	82.000	J
57-10-3	HEXADECANOIC ACID	8.73	92.000	JN

Semivolatile Analysis Data - EBWC1
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.88	560.000	JN
540-97-6	CYCLOHEXASILOXANE, DODECAMET	4.82	320.000	JN
90-12-0	NAPHTHALENE, 1-METHYL-	5.02	260.000	JN
91-64-5	2H-1-BENZOPYRAN-2-ONE	5.82	920.000	JN
610-48-0	ANTHRACENE, 1-METHYL-	8.65	400.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.68	550.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.73	540.000	JN
	UNKNOWN	9.83	510.000	J

Semivolatile Analysis Data - EBWC2
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
98-86-2	ACETOPHENONE	3.60	150.000	JN
541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.88	80.000	JN
91-57-6	NAPHTHALENE, 2-METHYL-	5.02	160.000	JN
581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	5.57	130.000	JN
581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	5.67	180.000	JN
569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	5.70	140.000	JN
573-98-8	NAPHTHALENE, 1,2-DIMETHYL-	5.82	110.000	JN
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.47	120.000	JN
2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	6.58	76.000	JN
643-58-3	1,1'-BIPHENYL, 2-METHYL-	6.87	100.000	JN
	UNKNOWN	6.93	160.000	J
7320-53-8	DIBENZOFURAN, 4-METHYL-	6.97	80.000	JN
1921-70-6	PENTADECANE, 2,6,10,14-TETRA	7.22	160.000	JN
21895-16-9	BENZENE, 1-METHYL-3-[(4-METH	7.65	82.000	JN
486-25-9	9H-FLUOREN-9-ONE	7.72	120.000	JN
132-65-0	DIBENZOTHIOPHENE	7.83	150.000	JN
	UNKNOWN	7.88	100.000	J
2531-84-2	PHENANTHRENE, 2-METHYL-	8.65	170.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.68	340.000	JN
832-69-9	PHENANTHRENE, 1-METHYL-	8.73	300.000	JN
41464-42-0	1,1'-BIPHENYL, 2,3',5,5'-TET	8.92	120.000	JN
612-94-2	NAPHTHALENE, 2-PHENYL-	9.05	120.000	JN
41464-41-9	1,1'-BIPHENYL, 2,2',5,6-TETR	9.10	280.000	JN
32598-[illegible]3	1,1'-BIPHENYL, 3,3',4,4'-TET	9.53	200.000	JN
	UNKNOWN	9.77	230.000	J
38380-03-9	1,1'-BIPHENYL, 2,3,3',4',6-P	9.83	360.000	JN

Semivolatile Analysis Data - EBWD0
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
90-12-0	NAPHTHALENE, 1-METHYL-	5.02	94.000	JN
883-20-5	PHENANTHRENE, 9-METHYL-	8.65	95.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.68	97.000	JN
	UNKNOWN	8.73	120.000	J
84-65-1	9,10-ANTHRACENEDIONE	9.10	170.000	JN
83-46-5	.BETA.-SITOSTEROL	15.63	1200.000	JN
	UNKNOWN	17.50	180.000	J

Semivolatile Analysis Data - EBWD1
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
111-46-6	ETHANOL, 2,2'-OXYBIS-	2.97	170.000	JN
95-16-9	BENZOTHIAZOLE	4.52	260.000	JN
132-65-0	DIBENZOTHIOPHENE	7.85	130.000	JN
832-69-9	PHENANTHRENE, 1-METHYL-	8.65	160.000	JN
832-71-3	PHENANTHRENE, 3-METHYL-	8.68	200.000	JN
57-10-3	HEXADECANOIC ACID	8.75	200.000	JN
149-30-4	2-MERCAPTOBENZOTHIAZOLE	9.02	82.000	JN
35465-71-5	2-PHENYLNAPHTHALENE	9.05	120.000	JN
84-65-1	9,10-ANTHRACENEDIONE	9.10	110.000	JN
	UNKNOWN	9.83	200.000	J
243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	10.08	90.000	JN
238-84-6	11H-BENZO[A]FLUORENE	10.25	130.000	JN
243-17-4	11H-BENZO[B]FLUORENE	10.40	410.000	JN
205-12-9	7H-BENZO[C]FLUORENE	10.48	250.000	JN
3442-78-2	PYRENE, 2-METHYL-	10.53	170.000	JN
78-51-3	ETHANOL, 2-BUTOXY-, PHOSPHAT	11.05	200.000	JN
239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	11.25	150.000	JN
32-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	11.40	230.000	JN
192-97-2	BENZO[E]PYRENE	13.35	260.000	JN

Semivolatile Analysis Data - EBWC3
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	9.07	1600.000	J
	UNKNOWN	9.17	2000.000	J
	UNKNOWN	11.18	3300.000	J
	UNKNOWN	14.33	5000.000	J

Semivolatile Analysis Data - EBWB9DL
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	3.65	13000.000	JN
90-12-0	NAPHTHALENE, 1-METHYL-	5.02	18000.000	JN
40650-41-7	1H-INDENE, 2,3-DIHYDRO-1,1,5	5.07	8600.000	JN
	UNKNOWN	5.18	11000.000	J
20027-77-4	NAPHTHALENE, 1,2,3,4-TETRAHY	5.48	15000.000	JN
939-27-5	NAPHTHALENE, 2-ETHYL-	5.52	14000.000	JN
575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	5.58	40000.000	JN
582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	5.68	50000.000	JN
571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	5.72	55000.000	JN
575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	5.82	21000.000	JN
	UNKNOWN	5.85	15000.000	J
569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	5.92	18000.000	JN
2027-17-0	NAPHTHALENE, 2-(1-METHYLETHY	6.20	15000.000	JN
2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.48	20000.000	JN
2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	6.60	12000.000	JN
1812-51-7	1,1'-BIPHENYL, 2-ETHYL-	6.62	11000.000	JN
643-93-6	1,1'-BIPHENYL, 3-METHYL-	6.85	13000.000	JN
	UNKNOWN	7.52	41000.000	J
	UNKNOWN	7.65	10000.000	J
4612-63-9	9H-FLUORENE, 2,3-DIMETHYL-	8.15	12000.000	JN
4612-63-9	9H-FLUORENE, 2,3-DIMETHYL-	8.18	15000.000	JN
4612-63-9	9H-FLUORENE, 2,3-DIMETHYL-	8.32	25000.000	JN
16587-52-3	DIBENZOTHIOPHENE, 3-METHYL-	8.43	19000.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.65	18000.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.68	20000.000	JN
832-69-9	PHENANTHRENE, 1-METHYL-	8.80	20000.000	JN
52251-71-5	ANTHRACENE, 2-ETHYL-	9.25	14000.000	JN
1576 -6	PHENANTHRENE, 3,6-DIMETHYL-	9.32	13000.000	JN
3674 -6	PHENANTHRENE, 2,5-DIMETHYL-	9.42	27000.000	JN
3674-73-5	PHENANTHRENE, 2,3,5-TRIMETHY	10.05	12000.000	JN

Semivolatile Analysis Data - EBWC8
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
613-12-7	ANTHRACENE, 2-METHYL-	8.65	300.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.68	330.000	JN
203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	8.80	850.000	JN
84-65-1	9,10-ANTHRACENEDIONE	9.10	340.000	JN
2381-21-7	PYRENE, 1-METHYL-	10.38	520.000	JN
243-17-4	11H-BENZO[B]FLUORENE	10.48	430.000	JN

Semivolatile Analysis Data - EBWCORE
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
57-10-3	HEXADECANOIC ACID	8.73	82.000	JN

Semivolatile Analysis Data - EBWC1RE
Tentatively Identified Compounds

CASE NO: 26925 LABORATORY: AATS
SDG NO: EBWB7

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.88	490.000	JN
540-97-6	CYCLOHEXASILOXANE, DODECAMET	4.82	280.000	JN
91-64-5	2H-1-BENZOPYRAN-2-ONE	5.82	850.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.65	510.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.68	560.000	JN
2531-84-2	PHENANTHRENE, 2-METHYL-	8.73	480.000	JN
3674-65-5	PHENANTHRENE, 2,3-DIMETHYL-	9.42	270.000	JN
	UNKNOWN	9.72	310.000	J
	UNKNOWN	9.83	350.000	J
3442-78-2	PYRENE, 2-METHYL-	10.55	580.000	JN

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Semivolatile Analysis Data - EBWC2DL
Tentatively Identified Compounds

CASE NO: 26925 LABORATORY: AATS
SDG NO: EBWB7

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.58	180.000	J
90-12-0	NAPHTHALENE, 1-METHYL-	5.02	180.000	JN
581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	5.68	210.000	JN
132-65-0	DIBENZOTHIOPHENE	7.83	160.000	JN
832-71-3	PHENANTHRENE, 3-METHYL-	8.65	200.000	JN
832-64-4	PHENANTHRENE, 4-METHYL-	8.68	310.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.75	290.000	JN
33284-52-5	1,1'-BIPHENYL, 3,3',5,5'-TET	8.92	160.000	JN
41464-41-9	1,1'-BIPHENYL, 2,2',5,6-TETR	9.10	280.000	JN
41464-49-7	1,1'-BIPHENYL, 2,3,3',5'-TET	9.55	230.000	JN
	UNKNOWN	9.78	340.000	J
38380-01-7	1,1'-BIPHENYL, 2,2',4,4',5-P	9.83	730.000	JN

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Semivolatile Analysis Data - EBWDORE
Tentatively Identified Compounds

CASE NO: 26925 LABORATORY: AATS
SDG NO: EBWB7

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
832-71-3	PHENANTHRENE, 3-METHYL-	8.65	99.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.68	89.000	JN
57-10-3	HEXADECANOIC ACID	8.75	130.000	JN
84-65-1	9,10-ANTHRACENEDIONE	9.10	180.000	JN
83-47-6	.GAMMA.-SITOSTEROL	15.67	1300.000	JN
	UNKNOWN	17.53	660.000	J

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Semivolatile Analysis Data - EBWD1RE
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
111-46-6	ETHANOL, 2,2'-OXYBIS-	2.98	160.000	JN
95-16-9	BENZOTHIAZOLE	4.52	260.000	JN
132-65-0	DIBENZOTHIOPHENE	7.83	120.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.65	130.000	JN
779-02-2	ANTHRACENE, 9-METHYL-	8.68	170.000	JN
57-10-3	HEXADECANOIC ACID	8.77	160.000	JN
	UNKNOWN	9.83	140.000	J
243-17-4	11H-BENZO[B]FLUORENE	10.40	170.000	JN
238-84-6	11H-BENZO[A]FLUORENE	10.50	220.000	JN
3442-78-2	PYRENE, 2-METHYL-	10.55	90.000	JN
	UNKNOWN	11.07	150.000	J

Semivolatile Analysis Data - EBWC3DL
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	9.15	3000.000	J
	UNKNOWN	11.32	8500.000	J
2883-70-7	ANTHRACENE, 9-DODECYL-	13.48	5400.000	JN
	UNKNOWN	13.92	15000.000	J
	UNKNOWN	14.28	15000.000	J
	UNKNOWN	14.70	7600.000	J

Semivolatile Analysis Data - EBWC8RE
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
832-64-4	PHENANTHRENE, 4-METHYL-	8.50	330.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.53	390.000	JN
203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	8.67	970.000	JN
84-65-1	9,10-ANTHRACENEDIONE	8.95	470.000	JN
	UNKNOWN	9.67	290.000	J
2381-21-7	PYRENE, 1-METHYL-	10.08	350.000	JN
238-84-6	11H-BENZO[A]FLUORENE	10.23	920.000	JN
205-12-9	7H-BENZO[C]FLUORENE	10.32	570.000	JN
3353-12-6	PYRENE, 4-METHYL-	10.38	400.000	JN
239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	11.08	470.000	JN
	UNKNOWN	11.57	400.000	J
	UNKNOWN	12.65	250.000	J
192-97-2	BENZO[E]PYRENE	12.93	240.000	JN
198-55-0	PERYLENE	13.13	990.000	JN
	UNKNOWN	13.95	290.000	J
191-26-4	DIBENZO[DEF,MNO]CHRYSENE	14.53	320.000	JN
	UNKNOWN	16.03	290.000	J

Semivolatile Analysis Data - EBWC9
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
779-02-2	ANTHRACENE, 9-METHYL-	8.53	84.000	JN
3442-78-2	PYRENE, 2-METHYL-	10.23	150.000	JN
243-17-4	11H-BENZO[B]FLUORENE	10.33	86.000	JN
192-97-2	BENZO[E]PYRENE	13.15	260.000	JN
	UNKNOWN	14.32	100.000	J
	UNKNOWN	14.53	96.000	J

Semivolatile Analysis Data - EBWC9RE
Tentatively Identified Compounds

CASE NO: 26925
SDG NO: EBWB7

LABORATORY: AATS

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
779-02-2	ANTHRACENE, 9-METHYL-	8.50	82.000	JN
613-12-7	ANTHRACENE, 2-METHYL-	8.53	82.000	JN
238-84-6	11H-BENZO[A]FLUORENE	10.23	130.000	JN
243-17-4	11H-BENZO[B]FLUORENE	10.33	86.000	JN
	UNKNOWN	11.90	130.000	J
198-55-0	PERYLENE	13.15	260.000	JN

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Number of Soil Samples : 16
Number of Water Samples : 0

Sample Number:	EBWB7		EBWB8		EBWB8MS		EBWB8MSD		EBWB9	
Sampling Location:	X101		X102		X102		X102		X103	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:00		16:30		16:30		16:30		13:00	
%Moisture:	21		16		16		16		16	
PH:	7.2		7.9		7.9		7.9		7.4	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	420	U	390	U	1900		1600		390	U
bis(2-Chloroethyl)ether	420	U	390	U	390	U	390	U	390	U
2-Chlorophenol	420	U	390	U	1800		1500		390	U
1,3-Dichlorobenzene	420	U	390	U	390	U	390	U	390	U
1,4-Dichlorobenzene	420	U	390	UJ	1200		880		390	U
1,2-Dichlorobenzene	420	U	390	U	390	U	390	U	390	U
2-Methylphenol	420	U	390	U	390	U	390	U	390	U
2,2'-oxybis(1-chloropropan	420	U	390	U	390	U	390	U	390	U
4-Methylphenol	420	U	390	U	390	U	390	U	390	U
N-Nitroso-di-n-propylamine	420	U	390	U	1400		1000		390	U
Hexachloroethane	420	U	390	U	390	U	390	U	390	U
Nitrobenzene	420	U	390	U	390	U	390	U	390	U
Isophorone	420	U	390	U	390	U	390	U	390	U
2-Nitrophenol	420	U	390	U	390	U	390	U	390	U
2,4 methylphenol	420	U	390	U	390	U	390	U	390	U
bis(2-Chloroethoxy)methane	420	U	390	U	390	U	390	U	390	U
2,4-Dichlorophenol	420	U	390	U	390	U	390	U	390	U
1,2,4-Trichlorobenzene	420	U	390	UJ	1300		990		390	U
Naphthalene	420	U	390	U	390	U	390	U	8200	J
4-Chloroaniline	420	U	390	U	390	U	390	U	390	U
Hexachlorobutadiene	420	U	390	U	390	U	390	U	390	U
4-Chloro-3-methylphenol	420	U	390	U	1800		1800		390	U
2-Methylnaphthalene	420	U	390	U	390	U	700		32000	J
Hexachlorocyclopentadiene	420	UJ	390	UJ	390	UJ	390	UJ	390	R
2,4,6-Trichlorophenol	420	U	390	U	390	U	390	U	390	R
2,4,5-Trichlorophenol	1000	U	990	U	990	U	990	U	990	R
2-Chloronaphthalene	420	U	390	U	390	U	390	U	390	R
2-Nitroaniline	1000	U	990	U	990	U	990	U	990	R
Dimethylphthalate	420	U	390	U	390	U	390	U	390	R
Acenaphthylene	420	U	390	U	390	U	390	U	390	R
2,6-Dinitrotoluene	420	U	390	U	390	U	390	U	390	R
3-Nitroaniline	1000	U	990	U	990	U	990	U	990	R

Sample Number:	EBWB7		EBWB8		EBWB8MS		EBWB8MSD		EBWB9	
Sampling Location:	X101		X102		X102		X102		X103	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:00		16:30		16:30		16:30		13:00	
%Moisture:										
PH:	7.2		7.9		7.9		7.9		7.4	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	420	U	390	U	1300		1200		14000	J
2,4-Dinitrophenol	1000	R	990	R	990	R	990	R	990	R
4-Nitrophenol	1000	U	990	U	1800		2000		990	R
Dibenzofuran	420	U	390	U	390	U	390	U	28000	J
2,4-Dinitrotoluene	420	U	390	U	1400		1400		390	R
Diethylphthalate	420	U	390	U	390	U	390	U	390	R
4-Chlorophenyl-phenylether	420	U	390	U	390	U	390	U	390	R
Fluorene	420	U	390	U	390	U	390	U	30000	J
4-Nitroaniline	1000	U	990	U	990	U	990	U	990	R
4,6-Dinitro-2-methylphenol	1000	U	990	U	990	U	990	U	990	UJ
N-Nitrosodiphenylamine	420	U	390	U	390	U	390	U	390	UJ
4-Bromophenyl-phenylether	420	U	390	U	390	U	390	U	390	UJ
Hexachlorobenzene	420	U	390	U	390	U	390	U	390	UJ
Pentachlorophenol	1000	U	990	U	1800		1400		990	UJ
Phenanthrene	310	J	390	U	390	U	54	J	15000	J
Anthracene	52	J	390	U	390	U	390	U	390	UJ
Carbazole	420	U	390	U	390	U	390	U	390	UJ
Di-n-butylphthalate	88	J	47	J	57	J	50	J	390	UJ
Fluoranthene	610		390	U	43	J	85	J	800	J
Pyrene	540		390	U	1100		1300		2600	
Butylbenzylphthalate	360	J	390	U	390	U	390	U	390	U
3,3'-Dichlorobenzidine	420	U	390	U	390	U	390	U	390	U
Benzo(a)anthracene	290	J	390	U	390	U	44	J	100	J
Chrysene	380	J	390	U	390	U	52	J	360	J
bis(2-Ethylhexyl)phthalate	190	J	390	U	43	J	54	J	48	J
Di-n-octylphthalate	420	U	390	U	390	U	390	U	390	U
Benzo(b)fluoranthene	330	J	390	U	390	U	63	J	390	U
Benzo(k)fluoranthene	320	J	390	U	390	U	33	J	390	U
Benzo(a)pyrene	330	J	390	U	390	U	38	J	390	U
Indeno(1,2,3-cd)pyrene	230	J	390	U	390	U	390	U	390	U
Dibenz(a,h)anthracene	90	J	390	U	390	U	390	U	390	U
Benzo(g,h,i)perylene	260	J	390	U	390	U	390	U	390	U

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWB9DL		EBWC0		EBWC0RE		EBWC1		EBWC1RE	
Sampling Location:	X103		X104		X104		X105		X105	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/15/99		04/15/99	
Time Sampled:	13:00		16:45		16:45		09:00		09:00	
%Moisture:	16		16		16		21		21	
PH:	7.4		7.4		7.4		7.5		7.5	
Dilution Factor:	30.0		1.0		1.0		3.0		3.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	12000	UJ	390	U	390	U	1200	U	1200	U
bis(2-Chloroethyl)ether	12000	UJ	390	U	390	U	1200	U	1200	U
2-Chlorophenol	12000	UJ	390	U	390	U	1200	U	1200	U
1,3-Dichlorobenzene	12000	UJ	390	U	390	U	1200	U	1200	U
1,4-Dichlorobenzene	12000	UJ	390	U	390	U	1200	U	1200	U
1,2-Dichlorobenzene	12000	UJ	390	U	390	U	1200	U	1200	U
2-Methylphenol	12000	UJ	390	U	390	U	1200	U	1200	U
2,2 [illegible]ybis(1-chloropropan	12000	UJ	390	U	390	U	1200	U	1200	U
4-Me[illegible]ylphenol	12000	UJ	390	U	390	U	1200	U	1200	U
N-Nitroso-di-n-propylamine	12000	UJ	390	U	390	U	1200	U	1200	U
Hexachloroethane	12000	UJ	390	U	390	U	1200	U	1200	U
Nitrobenzene	12000	UJ	390	U	390	U	1200	U	1200	UJ
Isophorone	12000	UJ	390	U	390	U	1200	U	1200	UJ
2-Nitrophenol	12000	UJ	390	U	390	U	1200	U	1200	UJ
2,4-Dimethylphenol	12000	UJ	390	U	390	U	1200	U	1200	UJ
bis(2-Chloroethoxy)methane	12000	UJ	390	U	390	U	1200	U	1200	UJ
2,4-Dichlorophenol	12000	UJ	390	U	390	U	1200	U	1200	UJ
1,2,4-Trichlorobenzene	12000	UJ	390	U	390	U	1200	U	1200	UJ
Naphthalene	15000	J	390	U	390	U	310	J	290	J
4-Chloroaniline	12000	UJ	390	U	390	U	1200	U	1200	UJ
Hexachlorobutadiene	12000	UJ	390	U	390	U	1200	U	1200	UJ
4-Chloro-3-methylphenol	12000	UJ	390	U	390	U	1200	U	1200	UJ
2-Methylnaphthalene	70000	J	390	U	390	U	400	J	340	J
Hexachlorocyclopentadiene	12000	UJ	390	UJ	390	UJ	1200	UJ	1200	UJ
2,4,6-Trichlorophenol	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
2,4,5-Trichlorophenol	30000	UJ	990	UJ	990	U	3200	U	3200	UJ
2-Chloronaphthalene	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
2-Nitroaniline	30000	UJ	990	UJ	990	U	3200	U	3200	UJ
Dimethylphthalate	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
Acenaphthylene	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
2,6-Dinitrotoluene	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
3-Nitroaniline	30000	UJ	990	UJ	990	U	3200	U	3200	UJ

Sample Number:	EBWB9DL		EBWC0		EBWC0RE		EBWC1		EBWC1RE	
Sampling Location:	X103		X104		X104		X105		X105	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/15/99		04/15/99	
Time Sampled:	13:00		16:45		16:45		09:00		09:00	
%Moisture:										
PH:	7.4		7.4		7.4		7.5		7.5	
Dilution Factor:	30.0		1.0		1.0		3.0		3.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	6300	J	390	UJ	390	U	300	J	280	J
2,4-Dinitrophenol	30000	R	990	R	990	R	3200	R	3200	R
4-Nitrophenol	30000	UJ	990	UJ	990	U	3200	U	3200	UJ
Dibenzofuran	10000	J	390	UJ	390	U	210	J	180	J
2,4-Dinitrotoluene	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
Diethylphthalate	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
4-Chlorophenyl-phenylether	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
Fluorene	11000	J	390	UJ	390	U	380	J	340	J
4-Nitroaniline	30000	UJ	990	UJ	990	U	3200	U	3200	UJ
4,6-Dinitro-2-methylphenol	30000	UJ	990	UJ	990	U	3200	U	3200	UJ
N-Nitrosodiphenylamine	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
4-Bromophenyl-phenylether	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
Hexachlorobenzene	12000	UJ	390	UJ	390	U	1200	U	1200	UJ
Pentachlorophenol	30000	UJ	990	UJ	990	U	3200	U	3200	UJ
Phenanthrene	23000	J	50	J	47	J	3900		3800	J
Anthracene	12000	UJ	390	UJ	390	U	980	J	900	J
Carbazole	12000	UJ	390	UJ	390	U	500	J	460	J
Di-n-butylphthalate	12000	UJ	52	J	55	J	660	J	640	J
Fluoranthene	12000	UJ	80	J	69	J	5200		5500	J
Pyrene	5100	J	150	J	140	J	9100	J	7200	J
Butylbenzylphthalate	12000	UJ	61	J	65	J	4300	J	3700	J
3,3'-Dichlorobenzidine	12000	UJ	390	R	390	UJ	1200	UJ	1200	R
Benzo(a)anthracene	12000	UJ	46	J	43	J	3000	J	2900	J
Chrysene	12000	UJ	79	J	78	J	3600	J	3400	J
bis(2-Ethylhexyl)phthalate	12000	UJ	160	J	150	J	6200	J	5700	J
Di-n-octylphthalate	12000	R	130	J	150	J	1200	R	140	J
Benzo(b)fluoranthene	12000	R	100	J	100	J	4300	J	3900	J
Benzo(k)fluoranthene	12000	R	49	J	43	J	2300	J	2200	J
Benzo(a)pyrene	12000	R	68	J	48	J	3000	J	2800	J
Indeno(1,2,3-cd)pyrene	12000	R	52	J	44	J	1400	J	1400	J
Dibenz(a,h)anthracene	12000	R	390	R	390	R	890	J	680	J
Benzo(g,h,i)perylene	12000	R	71	J	66	J	1800	J	1800	J

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Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWC2		EBWC2DL		EBWC3		EBWC3DL		EBWC4	
Sampling Location:	X106		X106		X107		X107		X108	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/15/99		04/15/99	
Time Sampled:	09:15		09:15		09:45		09:45		09:30	
%Moisture:	11		11		21		21		12	
PH:	7.8		7.8		7.5		7.5		7.7	
Dilution Factor:	1.0		2.0		5.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	100	J	120	J	2100	U	4200	U	380	U
bis(2-Chloroethyl)ether	370	U	740	U	2100	U	4200	U	380	U
2-Chlorophenol	370	U	740	U	2100	U	4200	U	380	U
1,3-Dichlorobenzene	370	U	740	U	2100	U	4200	U	380	U
1,4-Dichlorobenzene	370	U	740	U	2100	U	4200	U	380	U
1,2-Dichlorobenzene	370	U	740	U	2100	U	4200	U	380	U
2-Methylphenol	370	U	740	U	2100	U	4200	U	380	U
2,2 xybis(1-chloropropan	370	U	740	U	2100	U	4200	U	380	U
4-Me ylphenol	370	U	740	U	2100	U	4200	U	380	U
N-Nitroso-di-n-propylamine	370	U	740	U	2100	U	4200	U	380	U
Hexachloroethane	370	U	740	U	2100	U	4200	U	380	U
Nitrobenzene	370	U	740	U	2100	U	4200	U	380	U
Isophorone	370	U	740	U	2100	U	4200	U	380	U
2-Nitrophenol	370	U	740	U	2100	U	4200	U	380	U
2,4-Dimethylphenol	370	U	740	U	2100	U	4200	U	380	U
bis(2-Chloroethoxy)methane	370	U	740	U	2100	U	4200	U	380	U
2,4-Dichlorophenol	370	U	740	U	2100	U	4200	U	380	U
1,2,4-Trichlorobenzene	370	U	740	U	2100	U	4200	U	380	U
Naphthalene	220	J	240	J	2100	U	4200	U	50	J
4-Chloroaniline	370	U	740	U	2100	U	4200	U	380	U
Hexachlorobutadiene	370	U	740	U	2100	U	4200	U	380	U
4-Chloro-3-methylphenol	370	U	740	U	2100	U	4200	U	380	U
2-Methylnaphthalene	160		260	J	2100	U	4200	U	67	J
Hexachlorocyclopentadiene	370	UJ	740	UJ	2100	UJ	4200	UJ	380	UJ
2,4,6-Trichlorophenol	370	U	740	U	2100	U	4200	U	380	U
2,4,5-Trichlorophenol	930	U	1900	U	5200	U	10000	U	940	U
2-Chloronaphthalene	370	U	740	U	2100	U	4200	U	380	U
2-Nitroaniline	930	U	1900	U	5200	U	10000	U	940	U
Dimethylphthalate	370	U	740	U	2100	U	4200	U	380	U
Acenaphthylene	370	U	740	U	2100	U	4200	U	380	U
2,6-Dinitrotoluene	370	U	740	U	2100	U	4200	U	380	U
3-Nitroaniline	930	U	1900	U	5200	U	10000	U	940	U

Sample Number:	EBWC2		EBWC2DL		EBWC3		EBWC3DL		EBWC4	
Sampling Location:	X106		X106		X107		X107		X108	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/15/99		04/15/99	
Time Sampled:	09:15		09:15		09:45		09:45		09:30	
%Moisture:										
PH:	7.8		7.8		7.5		7.5		7.7	
Dilution Factor:	1.0		2.0		5.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	170	J	180	J	2100	U	4200	U	380	U
2,4-Dinitrophenol	930	R	1900	R	5200	R	10000	R	940	R
4-Nitrophenol	930	U	1900	U	5200	U	10000	U	940	U
Dibenzofuran	140	J	150	J	2100	U	4200	U	380	U
2,4-Dinitrotoluene	370	U	740	U	2100	U	4200	U	380	U
Diethylphthalate	370	U	140	J	2100	U	4200	U	380	U
4-Chlorophenyl-phenylether	370	U	740	U	2100	U	4200	U	380	U
Fluorene	190	J	210	J	2100	U	4200	U	380	U
4-Nitroaniline	930	U	1900	U	5200	U	10000	U	940	U
4,6-Dinitro-2-methylphenol	930	UJ	1900	U	5200	U	10000	U	940	U
N-Nitrosodiphenylamine	370	UJ	740	U	2100	U	4200	U	380	U
4-Bromophenyl-phenylether	370	UJ	740	U	2100	U	4200	U	380	U
Hexachlorobenzene	370	UJ	740	U	2100	U	4200	U	380	U
Pentachlorophenol	930	UJ	1900	U	5200	U	10000	U	940	U
Phenanthrene	1900	J	2200		2100	U	4200	U	380	U
Anthracene	350	J	390	J	2100	U	4200	U	380	U
Carbazole	170	J	210	J	2100	U	4200	U	380	U
Di-n-butylphthalate	140	J	180	J	2100	U	4200	U	66	J
Fluoranthene	1500	J	1700		2100	U	4200	U	380	U
Pyrene	2900	J	3100	J	340	J	430	J	41	J
Butylbenzylphthalate	1000	J	1200	J	2100	UJ	4200	UJ	380	U
3,3'-Dichlorobenzidine	370	R	740	UJ	2100	UJ	4200	UJ	380	U
Benzo(a)anthracene	1100	J	1100	J	2100	UJ	4200	UJ	380	U
Chrysene	1100	J	1200	J	2100	UJ	4200	UJ	380	U
bis(2-Ethylhexyl)phthalate	650	J	760	J	1800	J	2500	J	210	J
Di-n-octylphthalate	370	R	740	R	470	J	4200	R	380	U
Benzo(b)fluoranthene	1400	J	1000	J	2100	R	4200	R	380	U
Benzo(k)fluoranthene	690	J	1000	J	2100	R	4200	R	380	U
Benzo(a)pyrene	830	J	820	J	2100	R	4200	R	380	U
Indeno(1,2,3-cd)pyrene	500	J	530	J	2100	R	4200	R	380	U
Dibenz(a,h)anthracene	240	J	190	J	2100	R	4200	R	380	U
Benzo(g,h,i)perylene	550	J	550	J	2100	R	4200	R	380	U

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Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWC5		EBWC6		EBWC7		EBWC8		EBWC8RE	
Sampling Location:	X109		X110		X111		X201		X201	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/14/99		04/14/99	
Time Sampled:	10:30		12:00		12:00		16:00		16:00	
%Moisture:	17		20		13		16		16	
PH:	8		7.3		8.1		7.8		7.8	
Dilution Factor:	1.0		1.0		1.0		3.0		3.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	400	U	410	U	380	U	1200	U	1200	U
bis(2-Chloroethyl)ether	400	U	410	U	380	U	1200	U	1200	U
2-Chlorophenol	400	U	410	U	380	U	1200	U	1200	U
1,3-Dichlorobenzene	400	U	410	U	380	U	1200	U	1200	U
1,4-Dichlorobenzene	400	U	410	U	380	U	1200	U	1200	U
1,2-Dichlorobenzene	400	U	410	U	380	U	1200	U	1200	U
2-Methylphenol	400	U	410	U	380	U	1200	U	1200	U
2,2' ybis(1-chloropropan	400	U	410	U	380	U	1200	U	1200	UJ
4-Me..ylphenol	400	U	410	U	380	U	1200	U	1200	U
N-Nitroso-di-n-propylamine	400	U	410	U	380	U	1200	U	1200	U
Hexachloroethane	400	U	410	U	380	U	1200	U	1200	U
Nitrobenzene	400	U	410	U	380	U	1200	U	1200	U
Isophorone	400	U	410	U	380	U	1200	U	1200	U
2-Nitrophenol	400	U	410	U	380	U	1200	U	1200	U
2,4-Dimethylphenol	400	U	410	U	380	U	1200	U	1200	U
bis(2-Chloroethoxy)methane	400	U	410	U	380	U	1200	U	1200	U
2,4-Dichlorophenol	400	U	410	U	380	U	1200	U	1200	U
1,2,4-Trichlorobenzene	400	U	410	U	380	U	1200	U	1200	U
Naphthalene	400	U	45	J	380	U	1200	U	1200	U
4-Chloroaniline	400	U	410	U	380	U	1200	U	1200	U
Hexachlorobutadiene	400	U	410	U	380	U	1200	U	1200	U
4-Chloro-3-methylphenol	400	U	410	U	380	U	1200	U	1200	U
2-Methylnaphthalene	400	U	100	J	380	U	1200	U	1200	U
Hexachlorocyclopentadiene	400	UJ	410	UJ	380	UJ	1200	UJ	1200	UJ
2,4,6-Trichlorophenol	400	U	410	U	380	U	1200	U	1200	U
2,4,5-Trichlorophenol	1000	U	1000	U	950	U	3000	U	3000	U
2-Chloronaphthalene	400	U	410	U	380	U	1200	U	1200	U
2-Nitroaniline	1000	U	1000	U	950	U	3000	U	3000	U
Dimethylphthalate	400	U	410	U	380	U	1200	U	1200	U
Acenaphthylene	400	U	44	J	380	U	1200	U	1200	U
2,6-Dinitrotoluene	400	U	410	U	380	U	1200	U	1200	U
3-Nitroaniline	1000	U	1000	U	950	U	3000	U	3000	U

Sample Number:	EBWC5		EBWC6		EBWC7		EBWC8		EBWC8RE	
Sampling Location:	X109		X110		X111		X201		X201	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/14/99		04/14/99	
Time Sampled:	10:30		12:00		12:00		16:00		16:00	
%Moisture:										
PH:	8		7.3		8.1		7.8		7.8	
Dilution Factor:	1.0		1.0		1.0		3.0		3.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	400	U	410	U	380	U	330	J	420	J
2,4-Dinitrophenol	1000	R	1000	R	950	R	3000	R	3000	R
4-Nitrophenol	1000	U	1000	U	950	U	3000	U	3000	U
Dibenzofuran	400	U	410	U	380	U	260	J	310	J
2,4-Dinitrotoluene	400	U	410	U	380	U	1200	U	1200	U
Diethylphthalate	400	U	410	U	380	U	1200	U	1200	U
4-Chlorophenyl-phenylether	400	U	410	U	380	U	1200	U	1200	U
Fluorene	400	U	410	U	380	U	500	J	600	J
4-Nitroaniline	1000	U	1000	U	950	U	3000	U	3000	U
4,6-Dinitro-2-methylphenol	1000	U	1000	U	950	U	3000	U	3000	UJ
N-Nitrosodiphenylamine	400	U	410	U	380	U	1200	U	1200	U
4-Bromophenyl-phenylether	400	U	410	U	380	U	1200	U	1200	U
Hexachlorobenzene	400	U	410	U	380	U	1200	U	1200	UJ
Pentachlorophenol	1000	U	1000	U	950	U	3000	U	3000	U
Phenanthrene	130	J	250	J	380	U	4900		5700	
Anthracene	400	U	410	U	380	U	780	J	840	J
Carbazole	400	U	410	U	380	U	520	J	610	J
Di-n-butylphthalate	52	J	100	J	59	J	1200	U	1200	U
Fluoranthene	120	J	460		380	U	4400		6400	
Pyrene	120	J	480		380	U	6100	J	5600	
Butylbenzylphthalate	400	U	180	J	380	U	1200	UJ	1200	U
3,3'-Dichlorobenzidine	400	U	410	U	380	U	1200	UJ	1200	U
Benzo(a)anthracene	55	J	250	J	380	U	1800	J	2200	
Chrysene	77	J	330	J	380	U	2100	J	2500	
bis(2-Ethylhexyl)phthalate	58	J	160	J	43	J	230	J	190	J
Di-n-octylphthalate	400	U	410	U	380	U	1200	R	1200	UJ
Benzo(b)fluoranthene	55	J	240	J	380	U	2200	J	1800	J
Benzo(k)fluoranthene	60	J	280	J	380	U	1400	J	2000	J
Benzo(a)pyrene	62	J	250	J	380	U	1800	J	1800	J
Indeno(1,2,3-cd)pyrene	400	U	180	J	380	U	830	J	1200	J
Dibenz(a,h)anthracene	400	U	72	J	380	U	440	J	390	J
Benzo(g,h,i)perylene	44	J	200	J	380	U	830	J	1200	J

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Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWC9		EBWC9RE		EBWD0		EBWD0RE		EBWD1	
Sampling Location:	X202		X202		X203		X203		X204	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	14:30		14:30		14:15		14:15		11:00	
%Moisture:	18		18		22		22		16	
PH:	7.7		7.7		7.5		7.5		7.7	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	400	U	400	U	420	U	420	U	390	U
bis(2-Chloroethyl)ether	400	U	400	U	420	U	420	U	390	U
2-Chlorophenol	400	U	400	U	420	U	420	U	390	U
1,3-Dichlorobenzene	400	U	400	U	420	U	420	U	390	U
1,4-Dichlorobenzene	54	J	48	J	420	U	420	U	390	U
1,2-Dichlorobenzene	400	U	400	U	420	U	420	U	390	U
2-Methylphenol	400	U	400	U	420	U	420	U	390	U
2,2' [illegible]ybis(1-chloropropan	400	UJ	400	UJ	420	U	420	U	390	U
4-Me[illegible]ylphenol	400	U	400	U	76	J	75	J	390	U
N-Nitroso-di-n-propylamine	400	U	400	U	420	U	420	U	390	U
Hexachloroethane	400	U	400	U	420	U	420	U	390	U
Nitrobenzene	400	U	400	U	420	U	420	U	390	U
Isophorone	400	U	400	U	420	U	420	U	390	U
2-Nitrophenol	400	U	400	U	420	U	420	U	390	U
2,4-Dimethylphenol	400	U	400	U	420	U	420	U	390	U
bis(2-Chloroethoxy)methane	400	U	400	U	420	U	420	U	390	U
2,4-Dichlorophenol	400	U	400	U	420	U	420	U	390	U
1,2,4-Trichlorobenzene	400	U	400	U	420	U	420	U	390	U
Naphthalene	400	U	400	U	420	U	420	U	84	J
4-Chloroaniline	400	U	400	U	420	U	420	U	390	U
Hexachlorobutadiene	400	U	400	U	420	U	420	U	390	U
4-Chloro-3-methylphenol	400	U	400	U	420	U	420	U	390	U
2-Methylnaphthalene	400	U	400	U	83	J	79	J	72	J
Hexachlorocyclopentadiene	400	UJ	400	UJ	420	UJ	420	UJ	390	UJ
2,4,6-Trichlorophenol	400	U	400	U	420	U	420	U	390	UJ
2,4,5-Trichlorophenol	1000	U	1000	U	1100	U	1100	U	990	UJ
2-Chloronaphthalene	400	U	400	U	420	U	420	U	390	UJ
2-Nitroaniline	1000	U	1000	U	1100	U	1100	U	990	UJ
Dimethylphthalate	400	U	400	U	420	U	420	U	390	UJ
Acenaphthylene	400	U	400	U	420	U	420	U	390	UJ
2,6-Dinitrotoluene	400	U	400	U	420	U	420	U	390	UJ
3-Nitroaniline	1000	U	1000	U	1100	U	1100	U	990	UJ

Sample Number:	EBWC9		EBWC9RE		EBWD0		EBWD0RE		EBWD1	
Sampling Location:	X202		X202		X203		X203		X204	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/14/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	14:30		14:30		14:15		14:15		11:00	
%Moisture:										
PH:	7.7		7.7		7.5		7.5		7.7	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	88	J	83	J	83	J	82	J	120	J
2,4-Dinitrophenol	1000	R	1000	R	1100	R	1100	R	990	R
4-Nitrophenol	1000	U	1000	U	1100	U	1100	U	990	UJ
Dibenzofuran	55	J	51	J	420	U	420	U	74	J
2,4-Dinitrotoluene	400	U	400	U	420	U	420	U	390	UJ
Diethylphthalate	400	U	400	U	420	U	420	U	390	UJ
4-Chlorophenyl-phenylether	400	U	400	U	420	U	420	U	390	UJ
Fluorene	97	J	100	J	71	J	64	J	140	J
4-Nitroaniline	1000	U	1000	U	1100	U	1100	U	990	UJ
4,6-Dinitro-2-methylphenol	1000	UJ	1000	UJ	1100	UJ	1100	U	990	UJ
N-Nitrosodiphenylamine	400	UJ	400	UJ	420	UJ	420	U	390	UJ
4-Bromophenyl-phenylether	400	UJ	400	UJ	420	UJ	420	U	390	UJ
Hexachlorobenzene	400	UJ	400	UJ	420	UJ	420	U	390	UJ
Pentachlorophenol	1000	UJ	1000	UJ	1100	UJ	1100	U	990	UJ
Phenanthrene	960	J	900	J	770	J	720		1600	J
Anthracene	210	J	200	J	120	J	110	J	300	J
Carbazole	110	J	110	J	85	J	70	J	160	J
Di-n-butylphthalate	68	J	61	J	56	J	57	J	60	J
Fluoranthene	1200	J	1200	J	930	J	750		1800	J
Pyrene	1100	J	1100	J	1300	J	1400	J	2200	J
Butylbenzylphthalate	400	UJ	400	UJ	420	UJ	420	UJ	390	UJ
3,3'-Dichlorobenzidine	400	UJ	400	UJ	420	UJ	420	UJ	390	UJ
Benzo(a)anthracene	500	J	460	J	390	J	370	J	880	J
Chrysene	540	J	530	J	540	J	500	J	1000	J
bis(2-Ethylhexyl)phthalate	130	J	120	J	310	J	330	J	150	J
Di-n-octylphthalate	400	UJ	400	UJ	57	J	420	R	390	R
Benzo(b)fluoranthene	400	J	470	J	690	J	520	J	1200	J
Benzo(k)fluoranthene	470	J	340	J	330	J	410	J	640	J
Benzo(a)pyrene	440	J	440	J	450	J	400	J	800	J
Indeno(1,2,3-cd)pyrene	300	J	270	J	200	J	210	J	410	J
Dibenz(a,h)anthracene	140	J	99	J	99	J	100	J	220	J
Benzo(g,h,i)perylene	310	J	280	J	220	J	230	J	410	J

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Case #: 26925
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Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWD1RE		EBWD2		SBLKFC					
Sampling Location:	X204		X205							
Matrix:	Soil		Soil		Soil					
Units:	ug/kg		ug/kg		ug/kg					
Date Sampled:	04/14/99		04/14/99							
Time Sampled:	11:00		10:45							
%Moisture:	16		16							
PH:	7.7		7.2							
Dilution Factor:	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	390	U	390	U	330	U				
bis(2-Chloroethyl)ether	390	U	390	U	330	U				
2-Chlorophenol	390	U	390	U	330	U				
1,3-Dichlorobenzene	390	U	390	U	330	U				
1,4-Dichlorobenzene	390	U	390	U	330	U				
1,2-Dichlorobenzene	390	U	390	U	330	U				
2-Methylphenol	390	U	390	U	330	U				
2,2 ybis(1-chloropropan	390	U	390	U	330	U				
4-Methylphenol	390	U	390	U	330	U				
N-Nitroso-di-n-propylamine	390	U	390	U	330	U				
Hexachloroethane	390	U	390	U	330	U				
Nitrobenzene	390	U	390	U	330	U				
Isophorone	390	U	390	U	330	U				
2-Nitrophenol	390	U	390	U	330	U				
2,4-Dimethylphenol	390	U	390	U	330	U				
bis(2-Chloroethoxy)methane	390	U	390	U	330	U				
2,4-Dichlorophenol	390	U	390	U	330	U				
1,2,4-Trichlorobenzene	390	U	390	U	330	U				
Naphthalene	79	J	390	U	330	U				
4-Chloroaniline	390	U	390	U	330	U				
Hexachlorobutadiene	390	U	390	U	330	U				
4-Chloro-3-methylphenol	390	U	390	U	330	U				
2-Methylnaphthalene	68	J	56	J	330	U				
Hexachlorocyclopentadiene	390	UJ	390	UJ	330	UJ				
2,4,6-Trichlorophenol	390	U	390	U	330	U				
2,4,5-Trichlorophenol	990	U	990	U	830	U				
2-Chloronaphthalene	390	U	390	U	330	U				
2-Nitroaniline	990	U	990	U	830	U				
Dimethylphthalate	390	U	390	U	330	U				
Acenaphthylene	390	U	390	U	330	U				
2,6-Dinitrotoluene	390	U	390	U	330	U				
3-Nitroaniline	990	U	990	U	830	U				

Sample Number:	EBWD1RE		EBWD2		SBLKFC					
Sampling Location:	X204		X205							
Matrix:	Soil		Soil		Soil					
Units:	ug/kg		ug/kg		ug/kg					
Date Sampled:	04/14/99		04/14/99							
Time Sampled:	11:00		10:45							
%Moisture:										
PH:	7.7		7.2							
Dilution Factor:	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	110	J	390	U	330	U				
2,4-Dinitrophenol	990	R	990	R	830	R				
4-Nitrophenol	990	U	990	U	830	U				
Dibenzofuran	69	J	390	U	330	U				
2,4-Dinitrotoluene	390	U	390	U	330	U				
Diethylphthalate	390	U	390	U	330	U				
4-Chlorophenyl-phenylether	390	U	390	U	330	U				
Fluorene	120	J	41	J	330	U				
4-Nitroaniline	990	U	990	U	830	U				
4,6-Dinitro-2-methylphenol	990	U	990	U	830	U				
N-Nitrosodiphenylamine	390	U	390	U	330	U				
4-Bromophenyl-phenylether	390	U	390	U	330	U				
Hexachlorobenzene	390	U	390	U	330	U				
Pentachlorophenol	990	U	990	U	830	U				
Phenanthrene	1400		130	J	330	U				
Anthracene	280	J	40	J	330	U				
Carbazole	140	J	390	U	330	U				
Di-n-butylphthalate	55	J	74	J	330	U				
Fluoranthene	1300		190	J	330	U				
Pyrene	2400	J	190	J	330	U				
Butylbenzylphthalate	390	UJ	390	U	330	U				
3,3'-Dichlorobenzidine	390	UJ	390	U	330	U				
Benzo(a)anthracene	800	J	120	J	330	U				
Chrysene	880	J	150	J	330	U				
bis(2-Ethylhexyl)phthalate	140	J	70	J	330	U				
Di-n-octylphthalate	390	R	390	U	330	U				
Benzo(b)fluoranthene	1100	J	91	J	330	U				
Benzo(k)fluoranthene	590	J	130	J	330	U				
Benzo(a)pyrene	680	J	130	J	330	U				
Indeno(1,2,3-cd)pyrene	340	J	55	J	330	U				
Dibenz(a,h)anthracene	160	J	390	U	330	U				
Benzo(g,h,i)perylene	370	J	58	J	330	U				

Case #: 26925
Site:
Lab. :
Reviewer:
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SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Number of Soil Samples : 16
Number of Water Samples 0

Sample Number:	EBWB7		EBWB8		EBWB8MS		EBWB8MSD		EBWB9	
Sampling Location:	X101		X102		X102		X102		X103	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:00		16:30		16:30		16:30		13:00	
%Moisture:	21		16		16		16		16	
PH:	7.2		7.9		7.9		7.9		7.5	
Dilution Factor:	5.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	11	U	2.0	U	2.0	U	2.0	U	2.0	R
beta-BHC	11	U	2.0	U	0.37	J	2.0	U	1.6	J
delta-BHC	11	U	2.0	U	2.0	U	2.0	U	2.0	R
gamma-BHC (Lindane)	11	U	2.0	U	26		26		2.0	R
Heptachlor	11	U	2.0	U	24		25		2.0	R
Aldrin	11	U	2.0	U	25		26		2.0	R
Heptachlor Epoxide	11	U	2.0	U	2.0	U	2.0	U	2.0	R
Endosulfan I	11	U	2.0	U	2.0	U	2.0	U	2.0	R
Dieldrin	12	J	3.9	U	51		53		3.9	R
4,4'-DDE	73		0.075	J	0.65	J	0.77	J	3.9	R
Endrin	21	U	0.22	J	56		59		3.9	R
Endosulfan II	21	U	3.9	U	3.9	U	3.9	U	3.9	R
4,4'-DDD	21	U	3.9	U	0.38	J	3.9	U	1.1	J
Endosulfan Sulfate	18	J	3.9	U	3.9	U	3.9	U	3.9	R
4,4'-DDT	93	J	3.9	U	59		62		3.9	R
Methoxychlor	110	U	20	U	20	U	20	U	20	R
Endrin Ketone	21	U	3.9	U	0.22	J	0.66	J	3.9	R
Endrin Aldehyde	24		3.9	U	3.9	U	3.9	U	3.9	R
alpha-Chlordane	11	U	2.0	U	2.0	U	2.0	U	2.0	R
gamma-Chlordane	2.2	J	2.0	U	2.0	U	2.0	U	0.27	J
Toxaphene	1100	U	200	U	200	U	200	U	200	R
Aroclor-1016	210	U	39	U	39	U	39	U	39	R
Aroclor-1221	420	U	80	U	80	U	80	U	80	R
Aroclor-1232	210	U	39	U	39	U	39	U	39	R
Aroclor-1242	210	U	39	U	39	U	39	U	39	R
Aroclor-1248	210	U	39	U	39	U	39	U	39	R
Aroclor-1254	507	J	39	U	39	U	39	U	39	R
Aroclor-1260	536		39	U	39	U	39	U	39	R

Analytical Results (Qualified Data) Page __ of __

Case #: 26925 SDG: EBWB7
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Sample Number:	EBWB9RE		EBWC0		EBWC1		EBWC2		EBWC2DL	
Sampling Location:	X103		X104		X105		X106		X106	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/14/99		04/14/99		04/15/99		04/15/99		04/15/99	
Time Sampled:	13:00		16:45		09:00		09:15		09:15	
%Moisture:	16		16		21		11		11	
PH:	7.5		7.4		7.5		7.8		7.8	
Dilution Factor:	1.0		1.0		5.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.42	J	2.0	U	11	U	1.6	J	19	U
beta-BHC	3.3		0.66	J	9.2	J	1.9	U	17	J
delta-BHC	2.0	R	2.0	U	11	U	1.9	U	19	U
gamma-BHC (Lindane)	2.0	R	2.0	U	11	U	1.9	U	19	U
Heptachlor	2.0	R	2.0	U	11	U	1.9	U	19	U
Aldrin	2.0	R	2.0	U	11	U	1.9	U	19	U
Heptachlor Epoxide	2.0	R	0.13	J	11	U	3.0	J	19	U
Endosulfan I	2.0	R	0.38	J	6.8	J	1.9	U	19	U
Dieldrin	3.9	R	1.4	J	28	J	130	J	140	J
4,4'-DDE	3.9	R	3.2	J	64	J	120	J	140	J
Endrin	0.34	J	3.9	U	21	U	3.7	U	37	U
Endosulfan II	3.9	R	3.9	U	16	J	3.7	U	37	U
4,4'-DDD	3.9	R	1.0	J	23	J	3.7	U	37	U
Endosulfan Sulfate	3.9	R	1.6	J	25	J	88	J	94	J
4,4'-DDT	3.9	R	3.9	J	14	J	43	J	12	J
Methoxychlor	20	R	20	U	110	U	19	U	190	U
Endrin Ketone	3.9	R	0.48	J	21	U	17	J	37	U
Endrin Aldehyde	3.9	R	1.8	J	73	J	110	J	81	J
alpha-Chlordane	2.0	R	0.64	J	11	U	1.9	U	19	U
gamma-Chlordane	2.0	R	0.35	J	16	J	45	J	53	J
Toxaphene	200	R	200	U	1100	U	190	U	1900	U
Aroclor-1016	39	R	39	U	127	J	584	J	855	J
Aroclor-1221	80	R	80	U	420	U	75	U	750	U
Aroclor-1232	39	R	39	U	210	U	37	U	370	U
Aroclor-1242	39	R	39	U	210	U	37	U	370	U
Aroclor-1248	39	R	39	U	210	U	37	U	370	U
Aroclor-1254	39	R	39	J	1311	J	3786	J	4231	J
Aroclor-1260	39	R	39	U	1048	J	2191	J	2453	J

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWC3		EBWC3DL		EBWC4		EBWC5		EBWC6	
Sampling Location:	X107		X107		X108		X109		X110	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/15/99		04/15/99		04/15/99		04/15/99	
Time Sampled:	09:45		09:45		09:30		10:30		12:00	
%Moisture:	21		21		12		17		20	
PH:	7.5		7.5		7.7		8		7.3	
Dilution Factor:	1.0		10.0		1.0		2.0		5.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	2.0	J	22	U	0.39	J	4.1	U	11	U
beta-BHC	2.2	UJ	22	U	1.3	J	4.1	U	11	U
delta-BHC	2.2	UJ	22	U	1.9	U	4.1	U	11	U
gamma-BHC (Lindane)	2.2	UJ	22	U	1.9	U	4.1	U	11	U
Heptachlor	2.2	UJ	22	U	0.76	J	4.1	U	11	U
Aldrin	2.2	UJ	22	U	1.9	U	4.1	U	11	U
Heptachlor Epoxide	2.2	UJ	22	U	1.9	U	4.1	U	11	U
End lfan I	2.2	UJ	22	U	1.9	U	4.1	U	11	U
Die in	76	J	91	J	9.0	J	15	J	9.5	J
4,4'-DDE	75	J	88	J	8.3	J	14	J	78	J
Endrin	4.2	UJ	42	U	3.8	U	8.0	U	21	U
Endosulfan II	4.2	UJ	42	U	3.8	U	8.0	U	21	U
4,4'-DDD	4.2	UJ	42	U	7.4	J	4.9	J	21	U
Endosulfan Sulfate	46	J	91	J	6.5	J	5.6	J	18	J
4,4'-DDT	4.2	UJ	42	U	2.1	J	2.6	J	110	J
Methoxychlor	34	J	220	U	19	U	41	U	110	U
Endrin Ketone	6.8	J	42	U	0.54	J	8.0	U	21	U
Endrin Aldehyde	58	J	98	J	6.8	J	7.6	J	23	J
alpha-Chlordane	2.2	UJ	22	U	1.9	U	4.1	U	11	U
gamma-Chlordane	40	J	47	J	3.2	J	5.0	J	1.6	J
Toxaphene	220	UJ	2200	U	190	U	410	U	1100	U
Aroclor-1016	814	J	829	J	131	J	704		210	U
Aroclor-1221	85	UJ	850	U	76	U	160	U	420	U
Aroclor-1232	42	UJ	420	U	38	U	80	U	210	U
Aroclor-1242	42	UJ	420	U	38	U	80	U	210	U
Aroclor-1248	2244	J	2736	J	347		785		210	U
Aroclor-1254	2031	J	2933	J	231	J	362	J	448	J
Aroclor-1260	1014	J	1643	J	141	J	153	J	427	J

Analytical Results (Qualified Data) Page __ of __

Case #: 26925 SDG: EBWB7
Site: DIAMOND SCRAP YARD
Lab. : AATSLA
Reviewer:
Date:

Sample Number:	EBWC7		EBWC8		EBWC9		EBWD0		EBWD1	
Sampling Location:	X111		X201		X202		X203		X204	
Matrix:	Soil		Soil		Soil		Soil		Soil	
Units:	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled:	04/15/99		04/14/99		04/14/99		04/14/99		04/14/99	
Time Sampled:	12:00		16:00		14:30		14:15		11:00	
%Moisture:	13		16		18		22		16	
PH:	8.1		7.8		7.7		7.5		7.7	
Dilution Factor:	1.0		1.0		2.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	2.0	U	0.30	J	4.2	U	1.4	J	0.78	J
beta-BHC	2.0	U	2.0	U	2.9	J	3.1	J	4.8	J
delta-BHC	2.0	U	2.0	U	4.2	U	2.2	U	2.0	U
gamma-BHC (Lindane)	2.0	U	2.0	U	4.2	U	2.2	U	2.0	U
Heptachlor	2.0	U	2.0	U	4.2	U	2.2	U	2.0	U
Aldrin	2.0	U	2.0	U	4.2	U	2.2	U	2.0	U
Heptachlor Epoxide	2.0	U	5.7	J	4.2	U	0.33	J	2.0	U
Endosulfan I	2.0	U	2.0	U	4.2	U	2.2	U	2.0	U
Dieldrin	3.8	U	4.8	J	2.2	J	4.4	J	7.1	J
4,4'-DDE	0.34	J	14	J	25	J	22	J	15	J
Endrin	0.081	J	4.2		8.0	U	1.4	J	3.9	U
Endosulfan II	3.8	U	3.9	U	8.0	U	0.67	J	3.9	U
4,4'-DDD	0.15	J	25		36		42	J	15	J
Endosulfan Sulfate	3.8	U	0.67	J	8.0	U	0.89	J	5.0	J
4,4'-DDT	3.3	J	19	J	55	J	22	J	16	J
Methoxychlor	20	U	20	U	41	U	22	U	20	U
Endrin Ketone	3.8	U	1.9	J	8.0	U	0.97	J	2.1	J
Endrin Aldehyde	3.8	U	0.59	J	8.0	U	1.9	J	9.9	J
alpha-Chlordane	2.0	U	3.8	J	4.2	U	2.4	J	2.0	U
gamma-Chlordane	2.0	U	2.7	J	4.2	U	2.2	U	3.6	J
Toxaphene	200	U	200	U	410	U	220	U	200	U
Aroclor-1016	38	U	39	U	80	U	42	U	98	J
Aroclor-1221	77	U	80	U	160	U	86	U	80	U
Aroclor-1232	38	U	39	U	80	U	42	U	39	U
Aroclor-1242	38	U	39	U	80	U	42	U	39	U
Aroclor-1248	38	U	39	U	80	U	42	U	39	U
Aroclor-1254	38	U	39	U	80	U	42	U	259	J
Aroclor-1260	38	U	39	U	80	U	42	U	183	J

Analytical Results (Qualified Data) Page __ of __

Case #: 26925
Site:
Lab. :
Reviewer:
Date:

SDG: EBWB7
DIAMOND SCRAP YARD
AATSLA

Sample Number:	EBWD2		PBLK1							
Sampling Location:	X205									
Matrix:	Soil		Soil							
Units:	ug/kg		ug/kg							
Date Sampled:	04/14/99									
Time Sampled:	10:45									
%Moisture:	16									
PH:	7.2		0							
Dilution Factor:	1.0		1.0							
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.29	J	1.7	U						
beta-BHC	1.2	J	1.7	U						
delta-BHC	2.0	U	1.7	U						
gamma-BHC (Lindane)	2.0	U	1.7	U						
Heptachlor	2.0	U	1.7	U						
Aldrin	2.0	U	1.7	U						
Heptachlor Epoxide	2.0	U	1.7	U						
Endosulfan I	2.0	U	1.7	U						
Dieldrin	1.4	J	3.3	U						
4,4'-DDE	6.3	J	3.3	U						
Endrin	0.32	J	3.3	U						
Endosulfan II	3.9	U	3.3	U						
4,4'-DDD	5.2		3.3	U						
Endosulfan Sulfate	3.9	U	3.3	U						
4,4'-DDT	9.3	J	3.3	U						
Methoxychlor	20	U	3.6	J						
Endrin Ketone	0.56	J	3.3	U						
Endrin Aldehyde	0.61	J	3.3	U						
alpha-Chlordane	2.0	U	1.7	U						
gamma-Chlordane	2.0	U	1.7	U						
Toxaphene	200	U	170	U						
Aroclor-1016	39	U	33	U						
Aroclor-1221	80	U	67	U						
Aroclor-1232	39	U	33	U						
Aroclor-1242	39	U	33	U						
Aroclor-1248	39	U	33	U						
Aroclor-1254	39	U	33	U						
Aroclor-1260	39	U	33	U						

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: IL/22

Case No: 26925 Site Name Location: Diamond Scrap Yard

Contractor or EPA Lab: AATS Data User: IEPA

No. of Samples: 16 Date Sampled or Data Received: 5-21-99

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: 16 No. of samples received: 16

Received by: Lynette Burnett Date: 5/21/99

Received by LSSS: Lynette Burnett Date: 5/21/99

Review started: 5/24/99 Reviewer Signature: W for Wilson

Total time spent on review: 16 Date review completed: 6/4/99

Copied by: Lynette Burnett Date: 6-16-99

Mailed to user by: Lynette Burnett Date: 6-16-99

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

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

_____

_____

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

Case Number :26925
Site Name: Dimond Scrap Yard

SDG Number: EBWB7
Laboratory: AATS

EBWD0
alpha-BHC, beta-BHC, Heptachlor epoxide, Dieldrin
4,4'-DDE, Endrin, Endosulfan II, Endosulfan sulfate
4,4'-DDT, Endrin ketone, Endrin aldehyde, alpha-Chlordane

EBWD1
alpha-BHC, beta-BHC, Dieldrin, 4,4'-DDE
Endosulfan sulfate, 4,4'-DDT, Endrin ketone, Endrin aldehyde
gamma-Chlordane, Aroclor-1016, Aroclor-1254

EBWD2
4,4'-DDE, Endrin, 4,4'-DDT, Endrin ketone
Endrin aldehyde

PBLK1
Methoxychlor

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

The pH values are reported at the top of each Analytical Results spreadsheet.

Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene and Phenanthrene exceeded the instrument's calibration range in semivolatile sample EBWB9. The results from the diluted sample EBWB9DL should be considered the final concentration for these analytes.

Dieldrin, 4,4'-DDE, Endrin aldehyde and gamma-Chlordane exceeded the instrumental's calibration range in pesticide samples EBWC2 and EBWC3. Endosulfan sulfate also exceeded the calibration range in sample EBWC2. The results from the diluted samples EBWC2DL and EBWC3DL should be considered the final concentration for these analytes.

Reviewed By: W. Ira Wilson - Lockheed Martin/ESAT
Date: June 10, 1999

Case Number :26925
Site Name: Dimond Scrap Yard

SDG Number: EBWB7
Laboratory: AATS

EBWC2
alpha-BHC, Heptachlor epoxide, Dieldrin, 4,4'-DDE
Endosulfan sulfate, 4,4'-DDT, Endrin ketone, Endrin aldehyde
gamma-Chlordane, Aroclor-1016

EBWC2DL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate,
4,4'-DDT, Endrin aldehyde, gamma-Chlordane, Aroclor-1016

EBWC3
alpha-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate,
Endrin ketone, gamma-Chlordane, Aroclor-1016, Aroclor-1248
Aroclor-1260

EBWC3DL
Dieldrin, 4,4'-DDE, Endosulfan sulfate,
gamma-Chlordane, Aroclor-1016, Aroclor-1248, Aroclor-1260

EBWC4
alpha-BHC, beta-BHC, Heptachlor, Dieldrin,
4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT,
Endrin ketone, Endrin aldehyde, gamma-Chlordane
Aroclor-1016, Aroclor-1254, Aroclor-1260

EBWC5
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate,
4,4'-DDT, gamma-Chlordane, Aroclor-1254
Aroclor-1260

EBWC6
Dieldrin, Endosulfan sulfate, 4,4'-DDT, Endrin aldehyde
gamma-Chlordane, Aroclor-1254, Aroclor-1260

EBWC7
4,4'-DDE, Endrin, 4,4'-DDD

EBWC8
alpha-BHC, Heptachlor epoxide, Dieldrin, 4,4'-DDE
Endosulfan sulfate, 4,4'-DDT, Endrin ketone, Endrin aldehyde
alpha-Chlordane, gamma-Chlordane

EBWC9
beta-BHC, Dieldrin, 4,4'-DDE, 4,4'-DDT

Reviewed By: W. Ira Wilson - Lockheed Martin/ESAT
Date: June 10, 1999

Case Number :26925
Site Name: Dimond Scrap Yard

SDG Number: EBWB7
Laboratory: AATS

EBWD1
alpha-BHC, Endrin ketone

EBWD2
alpha-BHC, beta-BHC, Dieldrin, Endrin
Endrin ketone, Endrin aldehyde

PBLK1
Methoxychlor

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

EBWB7
Dieldrin, Endosulfan sulfate, 4,4'-DDT, gamma-Chlordane
Aroclor-1254

EBWB8
4,4'-DDE, Endrin

EBWB8MS
beta-BHC, 4,4'-DDD, Endrin ketone

EBWB8MSD
4,4'-DDE, Endrin ketone

EBWB9
beta-BHC, gamma-Chlordane

EBWB9RE
alpha-BHC, Endrin

EBWC0
Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE
Endosulfan sulfate, 4,4'-DDT, Endrin ketone, alpha-Chlordane
gamma-Chlordane, Aroclor-1254

EBWC1
Endosulfan I, Dieldrin, Endosulfan II, 4,4'-DDD
Endosulfan sulfate, 4,4'-DDT, Endrin aldehyde
gamma-Chlordane, Aroclor-1016

Reviewed By: W. Ira Wilson - Lockheed Martin/ESAT
Date: June 10, 1999

Case Number :26925
Site Name: Dimond Scrap Yard

SDG Number: EBWB7
Laboratory: AATS

EBWC0
beta-BHC, Heptachlor epoxide, Endosulfan I, Dieldrin
4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone
Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

EBWC1
beta-BHC, Endosulfan I, Endosulfan II, 4,4'-DDT
Aroclor-1016

EBWC2
alpha-BHC

EBWC2DL
beta-BHC, 4,4'-DDT

EBWC3
alpha-BHC

EBWC4
alpha-BHC, beta-BHC, Heptachlor, 4,4'-DDT,
Endrin ketone

EBWC5
4,4'-DDD, Endosulfan sulfate, 4,4'-DDT,
Endrin aldehyde

EBWC6
Dieldrin, Endosulfan sulfate, gamma-Chlordane

EBWC7
4,4'-DDE, Endrin, 4,4'-DDD, 4,4'-DDT

EBWC8
alpha-BHC, Endosulfan sulfate, Endrin ketone
Endrin aldehyde

EBWC9
beta-BHC, Dieldrin

EBWD0
alpha-BHC, Heptachlor epoxide, Endrin, Endosulfan II
Endosulfan sulfate, Endrin ketone, Endrin aldehyde

Reviewed By: W. Ira Wilson - Lockheed Martin/ESAT
Date: June 10, 1999

Ca: Number :26925
Site Name: Dimond Scrap Yard

SDG Number: EBWB7
Laboratory: AATS

Anthracene, Carbazole, Di-n-butylphthalate, Benzo(a)anthracene
bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD1
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran
Fluorene, Anthracene, Carbazole, Di-n-butylphthalate
bis(2-Ethylhexyl)phthalate, Dibenz(a,h)anthracene

EBWD1RE
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran
Fluorene, Anthracene, Carbazole, Di-n-butylphthalate
bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD2
2-Methylnaphthalene, Fluorene, Phenanthrene, Anthracene
Di-n-butylphthalate, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

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

EBWB7
Dieldrin, Endosulfan sulfate, gamma-Chlordane

EBWB8
4,4'-DDE, Endrin

EBWB8MS
beta-BHC, 4,4'-DDE, 4,4'-DDD, Endrin ketone

EBWB8MSD
4,4'-DDE, Endrin ketone

EBWB9
beta-BHC, 4,4'-DDD, gamma-Chlordane

EBWB9RE
alpha-BHC, Endrin

Reviewed By: W. Ira Wilson - Lockheed Martin/ESAT
Date: June 10, 1999

Case Number :26925 SDG Number: EBWB7
Site Name: Dimond Scrap Yard Laboratory: AATS

bis(2-Ethylhexyl)phthalate

EBWC5
Phenanthrene, Di-n-butylphthalate, Fluoranthene, Pyrene
Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene

EBWC6
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Phenanthrene
Di-n-butylphthalate, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene
bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC7
Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate

EBWC8
Acenaphthene, Dibenzofuran, Fluorene, Anthracene
Carbazole, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

EBWC8RE
Acenaphthene, Dibenzofuran, Fluorene, Anthracene
Carbazole, bis(2-Ethylhexyl)phthalate, Dibenz(a,h)anthracene

EBWC9
1,4-Dichlorobenzene, Acenaphthene, Dibenzofuran, Fluorene
Anthracene, Carbazole, Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC9RE
1,4-Dichlorobenzene, Acenaphthene, Dibenzofuran, Fluorene
Anthracene, Carbazole, Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate
Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD0
4-Methylphenol, 2-Methylnaphthalene, Acenaphthene, Fluorene
Anthracene, Carbazole, Di-n-butylphthalate, Benzo(a)anthracene
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD0RE
4-Methylphenol, 2-Methylnaphthalene, Acenaphthene, Fluorene

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Acenaphthene, Dibenzofuran, Fluorene, Pyrene

EBWC0
Phenanthrene, Di-n-butylphthalate, Fluoranthene, Pyrene
Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EBWC0RE
Phenanthrene, Di-n-butylphthalate, Fluoranthene, Pyrene
Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EBWC1
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran
Fluorene, Anthracene, Carbazole, Di-n-butylphthalate
Dibenz(a,h)anthracene

EBWC1RE
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran
Fluorene, Anthracene, Carbazole, Di-n-butylphthalate
Di-n-octylphthalate, Dibenz(a,h)anthracene

EBWC2
Phenol, Naphthalene, 2-Methylnaphthalene, Acenaphthene
Dibenzofuran, Fluorene, Anthracene, Carbazole
Di-n-butylphthalate, Dibenz(a,h)anthracene

EBWC2DL
Phenol, Naphthalene, 2-Methylnaphthalene, Acenaphthene
Dibenzofuran, Diethylphthalate, Fluorene, Anthracene
Carbazole, Di-n-butylphthalate, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

EBWC3
Pyrene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate

EBWC3DL
Pyrene, bis(2-Ethylhexyl)phthalate

EBWC4
Naphthalene, 2-Methylnaphthalene, Di-n-butylphthalate, Pyrene

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EBWD1
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD1RE
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

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

EBWB7
Phenanthrene, Anthracene, Di-n-butylphthalate, Butylbenzylphthalate
Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

EBWB8
Di-n-butylphthalate

EBWB8MS
Di-n-butylphthalate, Fluoranthene, bis(2-Ethylhexyl)phthalate

EBWB8MSD
Phenanthrene, Di-n-butylphthalate, Fluoranthene, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene

EBWB9
Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

EBWB9DL

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EBWC0RE
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC1
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC1RE
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

EBWC2
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

EBWC2DL
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC3
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC3DL
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC8
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD0
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD0RE
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

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3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

EBWD0RE
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWD1
Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene
2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene
3-Nitroaniline, Acenaphthene, 4-Nitrophenol
Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether
Fluorene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1)
4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene
Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWD1RE
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

The following semivolatile samples have internal standard area counts outside expanded criteria. Hits are qualified "J" and non-detects are qualified "R".

EBWB9
Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene
2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene
3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol
Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether
Fluorene, 4-Nitroaniline

EBWB9DL
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC0
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

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Pentachlorophenol, Phenanthrene, Anthracene, Carbazole
Di-n-butylphthalate, Fluoranthene

EBWC2DL
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWC3
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWC3DL
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWC8
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWC8RE
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC9
4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene
Pentachlorophenol, Phenanthrene, Anthracene, Carbazole
Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate
3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWC9RE
4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene
Pentachlorophenol, Phenanthrene, Anthracene, Carbazole
Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate
3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EBWD0
4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene
Pentachlorophenol, Phenanthrene, Anthracene, Carbazole
Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate

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2,4-Dichlorophenol, 1,2,4-Trichlorobenzene, Naphthalene, 4-Chloroaniline
Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2-Methylnaphthalene, Hexachlorocyclopentadiene
2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline
Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline
Acenaphthene, 4-Nitrophenol, Dibenzofuran
2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene
4-Nitroaniline, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether
Hexachlorobenzene, Pentachlorophenol, Phenanthrene, Anthracene
Carbazole, Di-n-butylphthalate, Fluoranthene, Pyrene
Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene
bis(2-Ethylhexyl)phthalate

EBWC0
Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene
2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene
3-Nitroaniline, Acenaphthene, 4-Nitrophenol
Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether
Fluorene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1)
4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene
Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

EBWC0RE
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWC1
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate

EBWC1RE
Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol
bis(2-Chloroethoxy)methane, 1,2,4-Trichlorobenzene, Naphthalene
4-Chloroaniline, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2-Methylnaphthalene
Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene
2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene
3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol
Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether
Fluorene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1)
4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene
Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

EBWC2
4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene

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outside the lower limit of the criteria window, but greater than 10%. Hits are qualified "J" and non-detects are qualified "UJ". Results are biased low.

EBWC3

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are flagged "J" and non-detects are flagged "UJ" in the unspiked sample.

EBWB8MS, EBWB8MSD
1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene

The following pesticide matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Hits are flagged "J" and non-detects are not flagged in the unspiked sample.

EBWB8MS, EBWB8MSD
gamma-BHC (Lindane), Endrin, 4,4'-DDT

7. FIELD BLANK AND FIELD DUPLICATE

No field blanks or field duplicate samples were reported. Results are not qualified based upon the results of the field blanks or field duplicates.

8. INTERNAL STANDARDS

The following semivolatile samples have internal standard area counts that are outside the lower limit of primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

EBWB9
4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene
Pentachlorophenol, Phenanthrene, Anthracene, Carbazole
Di-n-butylphthalate, Fluoranthene

EBWB9DL
Phenol, bis(2-Chloroethyl)ether, 2-Chlorophenol, 1,3-Dichlorobenzene
1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 2-Methylphenol, 2,2'-oxybis(1-Chloropropane)
4-Methylphenol, N-Nitroso-di-n-propylamine, Hexachloroethane, Nitrobenzene
Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane

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EBWB7, EBWB8, EBWB8MS, EBWB8MSD, EBWB9, EBWB9DL, EBWC0, EBWC0RE, EBWC1, EBWC1RE, EBWC2, EBWC2DL, EBWC3, EBWC3DL, EBWC4, EBWC5, EBWC6, EBWC7, EBWC8, EBWC8RE, EBWC9, EBWC9RE, EBWD0, EBWD0RE, EBWD1, EBWD1RE, EBWD2.
2,4-Dinitrophenol

The following pesticide samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

EBWB8, EBWB9, EBWC1, EBWC3DL, EBWC4, EBWC5, EBWC7, EBWC8.
Methoxychlor

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following semivolatile samples have surrogate recoveries of less than 10% and a dilution factor which exceeds criteria.
Hits and non-detects are not flagged.

EBWC3, EBWC3DL

The following semivolatile samples have two or more base/neutral surrogate recoveries above the upper limit of the criteria window. Hits are biased high and qualified "J" and non-detects are not flagged.

EBWB9

The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window.
Hits are qualified "J" and non-detects are not flagged.

EBWC1, EBWC2, EBWC2DL, EBWC3DL, EBWC6, EBWD0
EBWD1

The following undiluted pesticide samples have surrogate percent recoveries of less than 10%.
Hits are qualified "J" and non-detects are qualified "R".

EBWB9, EBWB9RE

The following pesticide samples have surrogate percent recoveries

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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 "UJ".

Hexachlorocyclopentadiene
EBWB8MSD, EBWB9DL, EBWC0, EBWC0RE, EBWC1, EBWC1RE
EBWC2, EBWC2DL, EBWC3, EBWC3DL, EBWC8, EBWC8RE
EBWC9, EBWC9RE, EBWD0, EBWD0RE, EBWD1, EBWD1RE

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".

2,2'-oxybis(1-Chloropropane)
EBWC8RE, EBWC9, EBWC9RE

~~2,4-Dinitrophenol~~
RA 6/7/99 ~~EBWB8MSD, EBWB9DL, EBWC0, EBWC0RE, EBWC1, EBWC1RE~~
~~EBWC2, EBWC2DL, EBWC3, EBWC3DL, EBWC8, EBWC8RE~~
~~EBWC9, EBWC9RE, EBWD0, EBWD0RE, EBWD1, EBWD1RE~~

4,6-Dinitro-2-methylphenol
EBWC8RE, EBWC9, EBWC9RE

Hexachlorobenzene
EBWC8RE, EBWC9, EBWC9RE

Benzo(b)fluoranthene RA 6/7/99
EBWB8MSD, ~~EBWB9DL~~, EBWC0, EBWC0RE, EBWC1, EBWC1RE
EBWC2, EBWC2DL, ~~EBWC3, EBWC3DL~~, EBWC8, EBWD0
EBWD0RE, EBWD1, EBWD1RE RA 6/7/99

4. BLANKS

The blank associated with the following sample was qualified "R" during a previous qualification. Hits and non-detects are not flagged.

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1. HOLDING TIME

No problems found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

SYSTEM PERFORMANCE CRITERIA

No problems found for this qualification.

3. CALIBRATION

The following semivolatile samples are associated with an initial calibration with relative response factors (RRFs) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
EBWB7, EBWB8, EBWB8MS, EBWB9, EBWC4, EBWC5
EBWC6, EBWC7, EBWD2, SBLKFC

The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria.
Hits are qualified "J" and non-detects are flagged "UJ".

Hexachlorocyclopentadiene
EBWB7, EBWB8, EBWB8MS, EBWC4, EBWC5
EBWC6, EBWC7, EBWD2, SBLKFC

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
EBWB8MSD, EBWB9DL, EBWC0, EBWC0RE, EBWC1, EBWC1RE
EBWC2, EBWC2DL, EBWC3, EBWC3DL, EBWC8, EBWC8RE
EBWC9, EBWC9RE, EBWD0, EBWD0RE, EBWD1, EBWD1RE

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

Sixteen (16) soil samples, numbered EBWB7 - EBWB9, EBWC0 - EBWC9 and EBWD0 - EBWD2, were collected on 4/14 and 15/99. The lab received the samples on *4/16/99* in good condition. All samples were analyzed for the full list of organic analytes for semivolatile and pesticides/PCBs. All were analyzed according to CLP SOW *OLM03.2*, 3/90.

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Date: June 10, 1999

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: June 10, 1999

SUBJECT: Review of Data
Received for Review on May 21,1999

FROM: Stephen L. Ostrodka, Chief (SRT-4J) for Steve Ostrodka Richard L Bynum 6/7/99
Superfund Technical Support Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Dimond Scrap Yard (IL)

CASE NUMBER: 26925 SDG NUMBER: EBWB7

Number and Type of Samples: 16 (Soil)

Sample Numbers: EBWB7 - EBWB9, EBWC0 - EBWC9, EBWD0 - EBWD2.

Laboratory: AATS Hrs. for Review: 16.0

Following are our findings:
the data are acceptable and usable with the qualifications described in the attached narrative.
Richard L Bynum

CC: Cecilia L. Moore
Region 5 TPO
Mail Code: SM-5J

RECEIVED
JUN 21 1999
IEPA-BOL-FSRS

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904021

Sample wt/vol: 7.8 (g/mL) G Lab File ID: E0416C10

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.51	92	J
2.	UNKNOWN HYDROCARBON	6.80	16	J
3.	UNKNOWN HYDROCARBON	7.38	13	J
4.	UNKNOWN HYDROCARBON	9.18	7	J
5.	UNKNOWN HYDROCARBON	9.63	4	J
6.	UNKNOWN HYDROCARBON	10.08	4	J
7.	UNKNOWN HYDROCARBON	11.15	5	J
8.	UNKNOWN HYDROCARBON	12.25	5	J
9.	UNKNOWN HYDROCARBON	14.07	7	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904021

Sample wt/vol: 7.8 (g/mL) G Lab File ID: E0416C10

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	6	U
74-83-9	Bromomethane	6	~~U~~ R
75-01-4	Vinyl chloride	6	U
75-00-3	Chloroethane	6	U
75-09-2	Methylene chloride	6	U
67-64-1	Acetone	13	
75-15-0	Carbon disulfide	4	BJ
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone (MEK)	3	J
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon tetrachloride	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	6	U
591-78-6	2-Hexanone (MBK)	6	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	14	

SQ
6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904020

Sample wt/vol: 6.0 (g/mL) G Lab File ID: E0416C11

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	14	J
2.	UNKNOWN	5.51	22	J
3.	UNKNOWN HYDROCARBON	6.80	16	J
4.	UNKNOWN HYDROCARBON	7.38	14	J
5.	UNKNOWN HYDROCARBON	9.18	8	J
6.	UNKNOWN HYDROCARBON	10.07	8	J
7	UNKNOWN HYDROCARBON	11.15	6	J
	UNKNOWN HYDROCARBON	12.24	5	J
9.	UNKNOWN HYDROCARBON	14.07	8	J
10.	UNKNOWN HYDROCARBON	16.20	3	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904020

Sample wt/vol: 6.0 (g/mL) G Lab File ID: E0416C11

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

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

6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904019

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0416C05

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.51	69	J
2.	UNKNOWN HYDROCARBON	6.80	19	J
3.	UNKNOWN HYDROCARBON	7.38	19	J
4.	UNKNOWN HYDROCARBON	9.18	10	J
5.	UNKNOWN HYDROCARBON	9.63	5	J
6.	UNKNOWN HYDROCARBON	10.08	10	J
7	UNKNOWN HYDROCARBON	11.15	8	J
	UNKNOWN HYDROCARBON	12.24	7	J
9.	UNKNOWN	13.03	5	J
10.	UNKNOWN HYDROCARBON	14.08	8	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904019

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0416C05

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	~~U~~ R
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	45	
75-15-0	Carbon disulfide	8	BJ
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 (MEK)	10	
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	3	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U
591-78-6	2-Hexanone (MBK)	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	7	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	3	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	5	J

DR 6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904018

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0416C04

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.10	23	J
2.		UNKNOWN	5.51	22	J
3.		UNKNOWN HYDROCARBON	6.80	24	J
4.		UNKNOWN HYDROCARBON	7.38	19	J
5.		UNKNOWN HYDROCARBON	9.18	12	J
6.		UNKNOWN	9.62	8	J
		UNKNOWN HYDROCARBON	10.07	11	J
		UNKNOWN HYDROCARBON	11.15	9	J
9.		UNKNOWN HYDROCARBON	12.24	8	J
10.		UNKNOWN HYDROCARBON	14.07	12	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904018

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0416C04

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	~~U~~ R
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	16	
75-15-0	Carbon disulfide	6	BJ
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	2	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone (MEK)	3	J
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	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U
591-78-6	2-Hexanone (MBK)	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	4	J

DR 6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904017

Sample wt/vol: 5.7 (g/mL) G Lab File ID: E0416C07

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	17	J
2.	UNKNOWN	5.51	21	J
3.	UNKNOWN HYDROCARBON	6.80	21	J
4.	UNKNOWN HYDROCARBON	7.38	17	J
5.	UNKNOWN HYDROCARBON	9.18	10	J
6.	UNKNOWN HYDROCARBON	9.63	5	J
	UNKNOWN HYDROCARBON	10.08	10	J
	UNKNOWN HYDROCARBON	11.15	7	J
9.	UNKNOWN HYDROCARBON	12.25	8	J
10.	UNKNOWN HYDROCARBON	14.07	12	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904017

Sample wt/vol: 5.7 (g/mL) G Lab File ID: E0416C07

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	9	U
74-83-9	Bromomethane	9	~~U~~ R
75-01-4	Vinyl chloride	9	U
75-00-3	Chloroethane	9	U
75-09-2	Methylene chloride	9	U
67-64-1	Acetone	13	
75-15-0	Carbon disulfide	4	BJ
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
540-59-0	1,2-Dichloroethene (total)	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone (MEK)	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	9	U
591-78-6	2-Hexanone (MBK)	9	U
127-18-4	Tetrachloroethene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	9	U
1330-20-7	Xylene (total)	4	J

DQ
6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904104

Sample wt/vol: 7.0 (g/mL) G Lab File ID: E0419C12

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	6	J
2.	UNKNOWN	5.51	8	J
3.	UNKNOWN HYDROCARBON	6.82	5	J
4.	UNKNOWN HYDROCARBON	7.38	3	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904104

Sample wt/vol: 7.0 (g/mL) G Lab File ID: E0419C12

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904100

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E0419C08

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ . Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.10	16	J
2.		UNKNOWN	5.51	18	J
3.	75-07-0	ACETALDEHYDE	5.82	10	NJ
4.		UNKNOWN HYDROCARBON	6.81	21	J
5.		UNKNOWN HYDROCARBON	7.38	29	J
6.		UNKNOWN HYDROCARBON	9.18	11	J
7		UNKNOWN HYDROCARBON	10.08	13	J
8		UNKNOWN	14.07	23	J
9.	66-25-1	HEXANAL	16.95	75	NJ
10.	111-71-7	HEPTANAL	19.57	11	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904100

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E0419C08

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	110	
75-15-0	Carbon disulfide	6	BJ
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 (MEK)	16	
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	3	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone(MIBK)	10	U
591-78-6	2-Hexanone (MBK)	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	2	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904103

Sample wt/vol: 5.6 (g/mL) G Lab File ID: E0419C11

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	24	J
2.	UNKNOWN	5.51	28	J
3.	UNKNOWN HYDROCARBON	6.81	30	J
4.	UNKNOWN HYDROCARBON	7.38	25	J
5.	UNKNOWN HYDROCARBON	9.18	14	J
6.	UNKNOWN HYDROCARBON	10.08	14	J
7	UNKNOWN HYDROCARBON	11.15	9	J
8	UNKNOWN HYDROCARBON	12.24	10	J
9.	UNKNOWN	13.03	9	J
10.	UNKNOWN HYDROCARBON	14.08	13	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904103

Sample wt/vol: 5.6 (g/mL) G Lab File ID: E0419C11

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904102

Sample wt/vol: 5.5 (g/mL) G Lab File ID: D0420C04

Level: (low/med) MED Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/20/99

GC Column: DB-624,75M ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10(mL) Soil Aliquot Volume: 100(uL)

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	12.31	1900	J
2.		UNKNOWN HYDROCARBON	12.94	11000	J
3.		UNKNOWN HYDROCARBON	13.25	2800	J
4.		UNKNOWN HYDROCARBON	14.22	8100	J
5.		UNKNOWN HYDROCARBON	14.93	4200	J
6.		UNKNOWN	15.13	5300	J
7.		UNKNOWN HYDROCARBON	15.27	4700	J
		UNKNOWN HYDROCARBON	15.51	4900	J
9.		UNKNOWN HYDROCARBON	16.24	4300	J
10.		UNKNOWN HYDROCARBON	17.98	4900	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904102

Sample wt/vol: 5.5 (g/mL) G Lab File ID: D0420C04

Level: (low/med) MED Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/20/99

GC Column: DB-624,75M ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10(mL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	870	U
74-83-9	Bromomethane	870	U
75-01-4	Vinyl chloride	870	U
75-00-3	Chloroethane	870	U
75-09-2	Methylene chloride	870	U
67-64-1	Acetone	870	U
75-15-0	Carbon disulfide	870	U
75-35-4	1,1-Dichloroethene	870	U
75-34-3	1,1-Dichloroethane	870	U
540-59-0	1,2-Dichloroethene (total)	870	U
67-66-3	Chloroform	870	U
107-06-2	1,2-Dichloroethane	870	U
78-93-3	2-Butanone(MEK)	870	U
71-55-6	1,1,1-Trichloroethane	870	U
56-23-5	Carbon tetrachloride	870	U
75-27-4	Bromodichloromethane	870	U
78-87-5	1,2-Dichloropropane	870	U
10061-01-5	cis-1,3-Dichloropropene	870	U
79-01-6	Trichloroethene	870	U
124-48-1	Dibromochloromethane	870	U
79-00-5	1,1,2-Trichloroethane	870	U
71-43-2	Benzene	1600	
10061-02-6	trans-1,3-Dichloropropene	870	U
75-25-2	Bromoform	870	U
108-10-1	4-Methyl-2-pentanone(MIBK)	870	U
591-78-6	2-Hexanone(MBK)	870	U
127-18-4	Tetrachloroethene	870	U
79-34-5	1,1,2,2-Tetrachloroethane	870	U
108-88-3	Toluene	3600	
108-90-7	Chlorobenzene	870	U
100-41-4	Ethylbenzene	4900	
100-42-5	Styrene	870	U
1330-20-7	Xylene (total)	22000	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904101

Sample wt/vol: 4.6 (g/mL) G Lab File ID: E0419C09

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	5	J
2.	UNKNOWN HYDROCARBON	5.46	18	J
3.	UNKNOWN	10.97	3	J
4.	UNKNOWN	16.20	3	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904101

Sample wt/vol: 4.6 (g/mL) G Lab File ID: E0419C09

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	7	J
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene chloride	1	BJ
67-64-1	Acetone	120	
75-15-0	Carbon disulfide	2	BJ
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone (MEK)	17	
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	13	
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U
591-78-6	2-Hexanone (MBK)	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904099

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0419C06

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.11	11	J
2.	UNKNOWN	5.51	18	J
3.	UNKNOWN HYDROCARBON	6.82	10	J
4.	UNKNOWN HYDROCARBON	7.38	12	J
5.	UNKNOWN HYDROCARBON	9.19	5	J
6.	UNKNOWN	10.97	10	J
7	UNKNOWN	14.08	15	J
8	UNKNOWN HYDROCARBON	16.95	47	J
9. 111-71-7	HEPTANAL	19.58	6	NJ
10. 18829-55-5	2-HEPTENAL, (E)-	21.29	5	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904099

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0419C06

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	22	
74-83-9	Bromomethane	22	
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	130	
75-15-0	Carbon disulfide	2	BJ
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 (MEK)	26	
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	3	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone(MIBK)	10	U
591-78-6	2-Hexanone (MBK)	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	5	J
1330-20-7	Xylene (total)	3	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904098

Sample wt/vol: 4.6 (g/mL) G Lab File ID: E0419C05

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.11	12	J
2.	UNKNOWN HYDROCARBON	5.51	16	J
3.	UNKNOWN HYDROCARBON	6.81	14	J
4.	UNKNOWN HYDROCARBON	7.38	16	J
5.	UNKNOWN HYDROCARBON	9.19	6	J
6.	UNKNOWN HYDROCARBON	10.08	6	J
	UNKNOWN	14.08	8	J
8.	UNKNOWN	16.20	5	JB
9. 66-25-1	HEXANAL	16.95	28	NJ
10. 111-71-7	HEPTANAL	19.58	6	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904098

Sample wt/vol: 4.6 (g/mL) G Lab File ID: E0419C05

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene chloride	11	U
67-64-1	Acetone	84	
75-15-0	Carbon disulfide	4	BJ
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone (MEK)	16	
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	6	J
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U
591-78-6	2-Hexanone (MBK)	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	10	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	7	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904016

Sample wt/vol: 6.5 (g/mL) G Lab File ID: E0416C08

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.10	15	J
2.		UNKNOWN	5.51	16	J
3.		UNKNOWN HYDROCARBON	6.81	17	J
4.		UNKNOWN HYDROCARBON	7.38	15	J
5.		UNKNOWN HYDROCARBON	9.18	8	J
6.		UNKNOWN HYDROCARBON	10.08	6	J
[illegible]		UNKNOWN HYDROCARBON	11.15	4	J
[illegible]		UNKNOWN HYDROCARBON	12.25	5	J
9.		UNKNOWN HYDROCARBON	14.08	8	J
10.	66-25-1	HEXANAL	16.95	10	NJ
11.					
12.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904016

Sample wt/vol: 6.5 (g/mL) G Lab File ID: E0416C08

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

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

DR 6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103RE

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904015RE

Sample wt/vol: 5.3 (g/mL) G Lab File ID: E0421C04

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/21/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	14.12	2400	J
2.	UNKNOWN HYDROCARBON	14.97	2100	J
3.	UNKNOWN HYDROCARBON	15.23	1500	J
4.	UNKNOWN HYDROCARBON	15.69	2100	J
5.	UNKNOWN HYDROCARBON	16.00	1500	J
6.	UNKNOWN HYDROCARBON	16.31	1200	J
[illegible]	UNKNOWN HYDROCARBON	16.47	1700	J
[illegible]	UNKNOWN HYDROCARBON	16.73	1200	J
9.	UNKNOWN	16.95	1100	J
10.	UNKNOWN	18.43	1200	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103RE

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904015RE

Sample wt/vol: 5.3 (g/mL) G Lab File ID: E0421C04

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/21/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	9	U
74-83-9	Bromomethane	9	U
75-01-4	Vinyl chloride	9	U
75-00-3	Chloroethane	9	U
75-09-2	Methylene chloride	9	U
67-64-1	Acetone	76	J
75-15-0	Carbon disulfide	5	BJ
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
540-59-0	1,2-Dichloroethene (total)	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone (MEK)	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	5	J
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	9	U J
591-78-6	2-Hexanone (MBK)	9	U J
127-18-4	Tetrachloroethene	9	U J
79-34-5	1,1,2,2-Tetrachloroethane	9	U J
108-88-3	Toluene	14	J
108-90-7	Chlorobenzene	9	U J
100-41-4	Ethylbenzene	37	J
100-42-5	Styrene	9	U J
1330-20-7	Xylene (total)	8	J

DC 6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904015

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E0416C12

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	14.10	1600	J
2.	UNKNOWN HYDROCARBON	14.96	1800	J
3.	UNKNOWN HYDROCARBON	15.21	1300	J
4.	UNKNOWN HYDROCARBON	15.68	2000	J
5.	UNKNOWN HYDROCARBON	15.99	1200	J
6.	UNKNOWN HYDROCARBON	16.29	1100	J
	UNKNOWN HYDROCARBON	16.46	1400	J
	UNKNOWN	17.31	3000	J
9.	UNKNOWN	19.23	1500	J
10.	UNKNOWN	19.69	2300	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904015

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E0416C12

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	~~U~~ R
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	50	J
75-15-0	Carbon disulfide	6	BJ
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 (MEK)	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	9	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U
591-78-6	2-Hexanone (MBK)	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	25	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	17	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	12	J

SDC 6-9-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904014

Sample wt/vol: 6.3 (g/mL) G Lab File ID: E0416C09

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	4.59	54	J
2.	UNKNOWN	5.10	29	J
3.	UNKNOWN	5.52	42	J
4.	UNKNOWN HYDROCARBON	6.80	41	J
5.	UNKNOWN HYDROCARBON	7.38	35	J
6.	UNKNOWN HYDROCARBON	9.18	17	J
7	UNKNOWN	9.62	16	J
	UNKNOWN HYDROCARBON	10.07	20	J
9.	UNKNOWN HYDROCARBON	11.15	15	J
10.	UNKNOWN HYDROCARBON	14.07	17	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904014

Sample wt/vol: 6.3 (g/mL) G Lab File ID: E0416C09

Level: (low/med) LOW Date Received: 04/15/99

% Moisture: not dec. _____ Date Analyzed: 04/16/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	8	U
74-83-9	Bromomethane	8	~~U~~ R
75-01-4	Vinyl chloride	8	U
75-00-3	Chloroethane	8	U
75-09-2	Methylene chloride	8	U
67-64-1	Acetone	17	
75-15-0	Carbon disulfide	5	BJ
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone (MEK)	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	12	
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone (MIBK)	8	U
591-78-6	2-Hexanone (MBK)	8	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	14	
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	4	J
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	9	

5-9-99 DC

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904097

Sample wt/vol: 4.8 (g/mL) G Lab File ID: E0419C04

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.10	12	J
2.		UNKNOWN	5.51	16	J
3.	75-07-0	ACETALDEHYDE	5.83	9	NJ
4.		UNKNOWN HYDROCARBON	6.81	16	J
5.		UNKNOWN HYDROCARBON	7.38	26	J
6.		UNKNOWN HYDROCARBON	10.08	8	J
		UNKNOWN	14.07	23	J
		UNKNOWN	16.20	8	JB
9.	66-25-1	HEXANAL	16.95	120	NJ
10.	111-71-7	HEPTANAL	19.57	12	NJ
11.					
12.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0971905176

Lab Code: SPFLD Case No.: DIAMOND SAS No.: SDG No.: 904014

Matrix: (soil/water) SOIL Lab Sample ID: D904097

Sample wt/vol: 4.8 (g/mL) G Lab File ID: E0419C04

Level: (low/med) LOW Date Received: 04/16/99

% Moisture: not dec. _____ Date Analyzed: 04/19/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	120	
75-15-0	Carbon disulfide	6	BJ
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 (MEK)	17	
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	2	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U
591-78-6	2-Hexanone (MBK)	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	3	J

X201

Acetone coelutes with a TIC.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X202

Acetone coelutes with a TIC.
cis-1,2-Dichloroethene coelutes with MEK in the standard.
MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X203

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X204

Acetone coelutes with a TIC.
MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
1,2-Dichloroethane coelutes with Benzene in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X205

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

Gary Germann
GC/MS Supervisor

5/21/99
Date

X104

Acetone coelutes with a TIC.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X105

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X106

Bromomethane coelutes with a TIC.
MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.
Styrene coelutes with o-Xylene in the standard.

X107

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.

X108

Benzene coelutes with 1,2-Dichloroethane in the standard.
o-Xylene coelutes with Styrene in the standard.

X109

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard.

X110

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
o-Xylene coelutes with Styrene in the standard.

X111

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.

The first internal standard in all samples is different than that listed in the statement of work because the laboratory was not informed that these samples were CLP samples before analysis began.

The percent difference between the daily relative response factor and the average relative response factor for bromomethane on April 16 was greater than the 40% allowed by the statement of work. However, no bromomethane was found in any samples run that day.

VOLATILE FRACTION

The spectral disagreement for the following compounds is more than the 20% allowed when compared to the standard spectrum:

X101

MEK coelutes with cis-1,2-Dichloroethene in the standard.
Benzene coelutes with 1,2-Dichloroethane in the standard.
o-Xylene coelutes with Styrene in the standard.

X102

Acetone coelutes with a TIC.
Benzene coelutes with 1,2-Dichloroethane in the standard.
m & p-Xylenes coelutes with a TIC.
o-Xylene coelutes with Styrene in the standard.

X103

Acetone coelutes with a TIC.
Benzene coelutes with 1,2-Dichloroethane in the standard and with a TIC.
Ethylbenzene coelutes with a TIC.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard and with a TIC.

X103RE

Acetone coelutes with a TIC.
Benzene coelutes with 1,2-Dichloroethane in the standard and with a TIC.
Ethylbenzene coelutes with a TIC.
m & p-Xylenes coelute with a TIC.
o-Xylene coelutes with Styrene in the standard and with a TIC.

SDG NARRATIVE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
825 N. RUTLEDGE
SPRINGFIELD, ILLINOIS 62702
(217)-782-9873

Case:Diamond Scrap Yard

Sample Identification	IEPA Sample Number
X101	D904097
X102	D904014
X103	D904015
X103RE	D904015
X104	D904016
X105	D904098
X106	D904099
X107	D904101
X108	D904102
X109	D904103
X110	D904100
X111	D904104
X201	D904017
X202	D904018
X203	D904019
X204	D904020
X205	D904021
X104MS	D904016MS
X104MSD	D904016MSD
X108MS	D904102MS
X108MSD	D904102MSD
VBLKSL1	VBLK041699
VBLKSL2	VBLK041999
VBLKSL3	VBLK042199
VBLKSM	VBLK042099

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The matrix spikes X104MS and X104MSD were spiked with the complete standard instead of the five matrix compounds.

No two ounce jars for percent moisture determination were received. Therefore, no percent moisture calculations were performed.