

Contractor's Closeout Report

Soil Remediation
Operable Unit 1, Sites 21 and 78
MCB Camp Lejeune
Jacksonville, North Carolina

Contract No. N62470-93-D-3032
Delivery Order 0062

Volume II of II

Submitted to

Department of the Navy
Atlantic Division
Naval Facilities Engineering Command
Norfolk, VA

Submitted by



OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

5335 Triangle Parkway, Suite 450
Norcross, GA 30092

October 1996

OHM Project No. 16866

Appendix I

Analytical Data

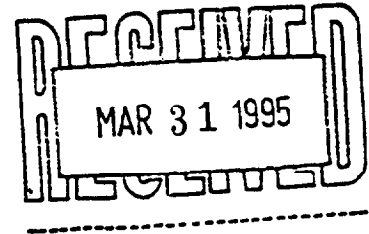
Appendix I.1
Waste Characterization Data



OHM Remediation
Services Corp.
A Subsidiary of OHM Corporation

ANALYTICAL DIVISION
Laboratory Analysis Report

Client: OHM Remediation Services Corp.
Southern Region (Norcross, GA)



Attn: Jim Dunn

Project: 16866N - NEESA; Camp Lejeune, Jacksonville, NC

Sample(s): CLJAOC1001 through CLJAOC4001

Sample Type(s): Solid

Analysis Performed: Conventionals, Metals, Organics and
RCRA TCLP Leachate Parameters

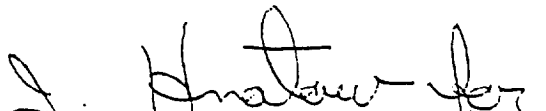
Date Sample Received: March 9, 1995

Date Order Received: March 9, 1995

Joblink(s): 617761

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Reviewed and Approved by:


Thomas E. Gran, Ph.D., Vice President

Date: March 29, 1995

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- o All solid sample results are reported on a "dry weight" basis.
- o The identity of all pesticide and herbicide compounds were confirmed by secondary column analysis.
- o Note any and all comments at the bottom of the tables in Appendix B and/or Appendix C.
- o Samples will be retained for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of \$5.00/ sample will be imposed for unreturned samples.

APPENDIX A
DATA SUMMARY REPORT

DATA SUMMARY REPORT

DATE: 03/28/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORP.

Sample Point ID:	CLJAOC1001	CLJAOC2001	CLJAOC3001	CLJAOC4001
ASC Sample Number:	JO0558	JO0559	JO0560	JO0561
Sample Date:	950308	950308	950308	950308
Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

Volatile Tentatively Identified Compounds , GC/MS, (CL1E)

Ethane, 1,1,2-trichloro-1,2,2-	mg/kg	.013 J	.061 J	.014 J	.071 J
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Semivolatile Tentatively Identified Compounds, GC/MS, (CL1F)

2-Pentanone, 4-hydroxy-4-methy	mg/kg	2.11 J	1.86 J	1.97 J	1.98 J
Butanoic acid	mg/kg	.144 J	-	-	-
Decanoic acid	mg/kg	.290 J	-	-	-
Hexadecanoic acid	mg/kg	.239 J	-	-	.263 J
Octadecanoic acid	mg/kg	.550 J	-	-	.796 J
Oleic Acid	mg/kg	.663 J	-	-	-
Oxacycloheptadecan-2-one	mg/kg	.269 J	-	-	-
Unk biphenyl	mg/kg	.164 J	-	-	-
Unk biphenyl	mg/kg	.162 J	-	-	-
Unk hydrocarbon	mg/kg	.222 J	-	-	.160 J
Unk hydrocarbon	mg/kg	.380 J	-	-	-
unknown	mg/kg	.578 J	2.52 J	.415 J	.137 J
unknown	mg/kg	-	1.03 J	2.62 J	-
unknown	mg/kg	-	2.30 J	-	-
unknown	mg/kg	-	1.60 J	-	-
unknown	mg/kg	-	4.73 J	-	-
unknown	mg/kg	-	1.48 J	-	-
unknown	mg/kg	-	3.12 J	-	-
4,7-Methano-1H-indene, 1,2,3,4	mg/kg	-	3.23 J	.704 J	-
Chlordane isomer	mg/kg	-	4.91 J	-	-
Chlordane isomer	mg/kg	-	7.45 J	-	-
Chlordene isomer	mg/kg	-	3.08 J	-	-
Chlordene isomer	mg/kg	-	3.94 J	-	-
Chlordene isomer	mg/kg	-	1.73 J	-	-
Chlorophenothane	mg/kg	-	1.95 J	-	-
Heptachlor	mg/kg	-	1.23 J	-	-
Mitotane	mg/kg	-	1.48 J	7.13 J	-
Mitotane	mg/kg	-	3.09 J	.400 J	-
Mitotane	mg/kg	-	-	11.6 J	-
Unk substituted aromatic	mg/kg	-	3.13 J	-	-
cis-Nonachlor	mg/kg	-	4.26 J	-	-
Benzene, 1,4-dichloro-2-(2-chl	mg/kg	-	-	.793 J	-

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Sample Date:	950308	950308	950308	950308
Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

Semivolatile Tentatively Identified Compounds, GC/MS, (CL1F)

Benzenemethanol, 2,4-dichloro-	mg/kg	-	-	.918 J	-
Chlorobenzilate	mg/kg	-	-	6.72 J	-
Methanone, (3-chlorophenyl) (4-	mg/kg	-	-	.863 J	-
O,p'-TDE olefin	mg/kg	-	-	1.61 J	-
O,p'-TDE olefin	mg/kg	-	-	1.27 J	-
O,p'-TDE olefin	mg/kg	-	-	.852 J	-
O,p'-TDE olefin	mg/kg	-	-	2.29 J	-
Pentadecane, 2,6,10,14-tetrame	mg/kg	-	-	.558 J	-
Technical chlorophenothane	mg/kg	-	-	2.13 J	-
o,p'-DDE	mg/kg	-	-	6.33 J	-
o,p'-DDT	mg/kg	-	-	3.00 J	-
o,p'-DDT	mg/kg	-	-	17.6 J	-
Benzene, 1,1'-methylenebis[4-c	mg/kg	-	-	-	.197 J

Conventional Data (CV10)

Flash Point, Seta Flash 60	Deg C	>60	>60	>60	>60
Free Liquid	%	PASS	PASS	PASS	PASS
Reactive Cyanide	mg/kg	<10.0	<10.0	<10.0	<10.0
Reactive Sulfide	mg/kg	<20.0	<20.0	<20.0	<20.0
Solids, Total	%	85.4	72.5	91.7	83.7
pH (Electrode)	std	8.42	8.23	8.74	7.98

Total Pesticide and PCB Analysis, GC, (GS05)

Aldrin	mg/kg	<.019	<.023	<.018	<.019
Alpha-BHC	mg/kg	<.019	<.023	<.018	<.019
Beta-BHC	mg/kg	<.019	<.023	<.018	<.019
Chlordane	mg/kg	<.193	108	14.6	<.195
4,4'-DDD	mg/kg	<.019	<.023	102	.142
4,4'-DDE	mg/kg	<.019	<.023	29.6	.146
4,4'-DDT	mg/kg	<.019	<.023	275	.502
Delta-BHC	mg/kg	<.019	<.023	<.018	<.019
Dieldrin	mg/kg	<.019	<.023	<.018	.125
Endosulfan sulfate	mg/kg	<.019	<.023	<.018	<.019
Endosulfan I	mg/kg	<.019	<.023	<.018	<.019
Endosulfan II	mg/kg	<.019	<.023	<.018	<.019

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Sample Date:	950308	950308	950308	950308
Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

Total Pesticide and PCB Analysis, GC, (GS05)

Endrin	mg/kg	<.019	<.023	<.018	<.019
Endrin aldehyde	mg/kg	<.019	<.023	<.018	<.019
Endrin ketone	mg/kg	<.019	<.023	<.018	<.019
Gamma-BHC	mg/kg	<.019	<.023	<.018	<.019
Heptachlor	mg/kg	<.019	<.023	<.018	<.019
Heptachlor epoxide	mg/kg	<.019	<.023	<.018	<.019
Methoxychlor	mg/kg	<.019	<.023	<.018	<.019
Toxaphene	mg/kg	<.386	<.460	<.355	<.389
Aroclor 1016	mg/kg	<1.95	<.230	<.177	<.195
Aroclor 1221	mg/kg	<1.95	<.230	<.177	<.195
Aroclor 1232	mg/kg	<1.95	<.230	<.177	<.195
Aroclor 1242	mg/kg	<1.95	<.230	<.177	<.195
Aroclor 1248	mg/kg	<1.95	<.230	<.177	<.195
Aroclor 1254	mg/kg	<1.95	<.230	<.177	<.195
Aroclor 1260	mg/kg	2.84	<.230	<.177	<.195

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250	<.250	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250	<.250	<.250

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Chlordane	mg/L	<.020	.022	<.020	<.020
Endrin	mg/L	<.002	<.002	<.002	<.002
Heptachlor	mg/L	<.002	<.002	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002	<.002	<.002
Lindane	mg/L	<.002	<.002	<.002	<.002
Methoxychlor	mg/L	<.002	<.002	<.002	<.002
Toxaphene	mg/L	<.040	<.040	<.040	<.040

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Sample Date:	950308	950308	950308	950308
Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

Target Analyte List Total Metals Analysis, (ME20)

		CLJAOC1001	CLJAOC2001	CLJAOC3001	CLJAOC4001
Aluminum	mg/kg	2390	2240	777	2280
Antimony	mg/kg	1.17	1.96	1.03	1.09
Arsenic	mg/kg	.884	1.05	.729	.615
Barium	mg/kg	13.1	50.7	14.1	20.1
Beryllium	mg/kg	.072	.076	.053	.026
Cadmium	mg/kg	.759	.726	.388	.320
Calcium	mg/kg	42400	44200	127000	2150
Chromium	mg/kg	7.03	13.3	6.94	3.78
Cobalt	mg/kg	.343	.969	.153	.216
Copper	mg/kg	5.67	7.02	26.7	7.53
Iron	mg/kg	2220	4180	1950	2180
Lead	mg/kg	22.4	114	43.9	55.8
Magnesium	mg/kg	753	2120	1460	126
Manganese	mg/kg	30.2	34.2	21.8	9.80
Mercury	mg/kg	.029	.020	.013	.092
Nickel	mg/kg	1.38	4.01	1.34	.939
Potassium	mg/kg	177	142	149	106
Selenium	mg/kg	<.141	<.166	<.142	<.149
Silver	mg/kg	<.247	<.291	<.206	<.247
Sodium	mg/kg	84.9	98.6	159	10.5
Thallium	mg/kg	<.228	<.268	<.229	<.241
Vanadium	mg/kg	6.95	6.71	4.13	3.26
Zinc	mg/kg	31.4	293	34.5	56.1

RCRA TCLP Leachate Metals Analysis, (ME52)

		CLJAOC1001	CLJAOC2001	CLJAOC3001	CLJAOC4001
Arsenic	mg/L	<.049	<.049	<.049	<.049
Barium	mg/L	.487	.634	.278	.517
Cadmium	mg/L	.024	.007	.005	.004
Chromium	mg/L	<.005	<.005	<.005	<.005
Lead	mg/L	.039	.092	<.027	.033
Mercury	mg/L	<.001	<.001	<.001	<.001
Selenium	mg/L	<.035	<.035	<.035	<.035
Silver	mg/L	<.009	<.009	<.009	<.009

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Sample Date:	950308	950308	950308	950308
Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

Target Compound List Base/Neutral/Acid Analysis, MS, (MS22)

Acenaphthene	mg/kg	<.386	<.455	<.363	<.395
Acenaphthylene	mg/kg	<.386	<.455	<.363	<.395
Anthracene	mg/kg	<.386	<.455	<.363	<.395
Benzo (a) anthracene	mg/kg	<.386	<.455	<.363	<.395
Benzo (b) fluoranthene	mg/kg	.470	<.455	<.363	<.395
Benzo (k) fluoranthene	mg/kg	<.386	<.455	<.363	<.395
Benzo (a) pyrene	mg/kg	<.386	<.455	<.363	<.395
bis (2-Chloroethoxy) methane	mg/kg	<.386	<.455	<.363	<.395
bis (2-Ethylhexyl) phthalate	mg/kg	<.386	<.455	<.363	1.17
Carbazole	mg/kg	<.386	<.455	<.363	<.395
4-Chloroaniline	mg/kg	<.386	<.455	<.363	<.395
2-Chloronaphthalene	mg/kg	<.386	<.455	<.363	<.395
2-Chlorophenol	mg/kg	<.386	<.455	<.363	<.395
Chrysene	mg/kg	<.386	<.455	<.363	<.395
Dibenzo (a, h) anthracene	mg/kg	<.386	<.455	<.363	<.395
Dibenzofuran	mg/kg	<.386	<.455	<.363	<.395
1, 2-Dichlorobenzene	mg/kg	<.386	<.455	<.363	<.395
1, 3-Dichlorobenzene	mg/kg	<.386	<.455	<.363	<.395
1, 4-Dichlorobenzene	mg/kg	<.386	<.455	<.363	<.395
3, 3'-Dichlorobenzidine	mg/kg	<.386	<.455	<.363	<.395
2, 4-Dichlorophenol	mg/kg	<.386	<.455	<.363	<.395
2, 4-Dimethylphenol	mg/kg	<.386	<.455	<.363	<.395
2, 4-Dinitrophenol	mg/kg	<1.93	<2.27	<1.82	<1.97
2, 4-Dinitrotoluene	mg/kg	<.386	<.455	<.363	<.395
2, 6-Dinitrotoluene	mg/kg	<.386	<.455	<.363	<.395
Fluoranthene	mg/kg	<.386	<.455	<.363	<.395
Fluorene	mg/kg	<.386	<.455	<.363	<.395
Hexachlorobenzene	mg/kg	<.386	<.455	<.363	<.395
Hexachlorobutadiene	mg/kg	<.386	<.455	<.363	<.395
Hexachlorocyclopentadiene	mg/kg	<.386	<.455	<.363	<.395
Hexachloroethane	mg/kg	<.386	<.455	<.363	<.395
Indeno (1, 2, 3-cd) pyrene	mg/kg	<.386	<.455	<.363	<.395
Isophorone	mg/kg	<.386	<.455	<.363	<.395
2-Methylnaphthalene	mg/kg	<.386	<.455	<.363	<.395
2-Methylphenol	mg/kg	<.386	<.455	<.363	<.395

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Sample Date:	950308	950308	950308	950308
Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

Target Compound List Base/Neutral/Acid Analysis, MS, (MS22)

4-Methylphenol	mg/kg	<.386	<.455	<.363	<.395
N-Nitrosodiphenylamine	mg/kg	<.386	<.455	<.363	<.395
Naphthalene	mg/kg	<.386	<.455	<.363	<.395
2-Nitroaniline	mg/kg	<.386	<.455	<.363	<.395
3-Nitroaniline	mg/kg	<.386	<.455	<.363	<.395
4-Nitroaniline	mg/kg	<.386	<.455	<.363	<.395
Nitrobenzene	mg/kg	<.386	<.455	<.363	<.395
2-Nitrophenol	mg/kg	<.386	<.455	<.363	<.395
4-Nitrophenol	mg/kg	<1.93	<2.27	<1.82	<1.97
Pentachlorophenol	mg/kg	<.386	<.455	<.363	<.395
Phenanthrene	mg/kg	<.386	<.455	<.363	<.395
Phenol	mg/kg	<.386	<.455	<.363	<.395
Pyrene	mg/kg	<.386	<.455	<.363	<.395
1,2,4-Trichlorobenzene	mg/kg	<.386	<.455	<.363	<.395
2,4,5-Trichlorophenol	mg/kg	<.386	<.455	<.363	<.395
2,4,6-Trichlorophenol	mg/kg	<.386	<.455	<.363	<.395
2,2'-oxybis(1-Chloropropene)	mg/kg	<.386	<.455	<.363	<.395
4,6-Dinitro-2-methylphenol	mg/kg	<.964	<1.14	<.908	<.987
4-Bromophenyl-phenylether	mg/kg	<.386	<.455	<.363	<.395
4-Chloro-3-methylphenol	mg/kg	<.386	<.455	<.363	<.395
4-Chlorophenyl-phenylether	mg/kg	<.386	<.455	<.363	<.395
Benzo(g,h,i)perylene	mg/kg	<.386	<.455	<.363	<.395
Butylbenzylphthalate	mg/kg	<.386	<.455	<.363	<.395
Di-n-butylphthalate	mg/kg	<.386	<.455	<.363	<.395
Di-n-octylphthalate	mg/kg	<.386	<.455	<.363	<.395
Diethylphthalate	mg/kg	<.386	<.455	<.363	<.395
Dimethylphthalate	mg/kg	<.386	<.455	<.363	<.395
N-Nitroso-di-n-propylamine	mg/kg	<.386	<.455	<.363	<.395
bis(2-Chloroethyl)ether	mg/kg	<.386	<.455	<.363	<.395

DATA SUMMARY REPORT

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Facility Code:	016866N	016866N	016866N	016866N

Parameters Units

RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

2,4-Dinitrotoluene	mg/L	<.100	<.100	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100	<.100	<.100
Pyridine	mg/L	<.100	<.100	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100

Target Compound List Volatile Analysis, MS, (MV20)

Acetone	mg/kg	<.011	<.013	<.010	<.011
Benzene	mg/kg	<.006	<.007	<.005	<.006
Bromoform	mg/kg	<.006	<.007	<.005	<.006
Carbon disulfide	mg/kg	<.006	<.007	<.005	<.006
Carbon tetrachloride	mg/kg	<.006	<.007	<.005	<.006
Chlorobenzene	mg/kg	<.006	<.007	<.005	<.006
Chlorodibromomethane	mg/kg	<.006	<.007	<.005	<.006
Chloroethane	mg/kg	<.006	<.007	<.005	<.006
Chloroform	mg/kg	<.006	<.007	<.005	<.006
Dichlorobromomethane	mg/kg	<.006	<.007	<.005	<.006
1,1-Dichloroethane	mg/kg	<.006	<.007	<.005	<.006
1,2-Dichloroethane	mg/kg	<.006	<.007	<.005	<.006
1,1-Dichloroethylene	mg/kg	<.006	<.007	<.005	<.006
1,2-Dichloropropane	mg/kg	<.006	<.007	<.005	<.006
cis-1,3-Dichloropropylene	mg/kg	<.006	<.007	<.005	<.006
trans-1,3-Dichloropropylene	mg/kg	<.006	<.007	<.005	<.006
Ethylbenzene	mg/kg	<.006	<.007	<.005	<.006
2-Hexanone	mg/kg	<.006	<.007	<.005	<.006
Methyl bromide	mg/kg	<.006	<.007	<.005	<.006
Methyl chloride	mg/kg	<.006	<.007	<.005	<.006
Methylene chloride	mg/kg	.037	.053	.017	.029
Methyl ethyl ketone	mg/kg	<.006	<.007	<.005	<.006

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Parameters Units

Target Compound List Volatile Analysis, MS, (MV20)

Methyl-iso-butyl ketone	mg/kg	<.011	<.013	<.010	<.011
Styrene	mg/kg	<.006	<.007	<.005	<.006
1,1,2,2-Tetrachloroethane	mg/kg	<.006	<.007	<.005	<.006
Tetrachloroethylene	mg/kg	<.006	<.007	<.005	<.006
Toluene	mg/kg	<.006	<.007	<.005	<.006
1,2-Trans-dichloroethylene	mg/kg	<.006	<.007	<.005	<.006
1,1,1-Trichloroethane	mg/kg	<.006	<.007	<.005	<.006
Trichloroethylene	mg/kg	<.006	<.007	<.005	<.006
Vinyl chloride	mg/kg	<.006	<.007	<.005	<.006
Xylenes	mg/kg	<.006	<.007	<.005	<.006

RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)

Benzene	mg/L	<.125	<.125	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125	<.125	<.125
Chloroform	mg/L	<.125	<.125	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125	<.125	<.125
1,2-Dichloroethane	mg/L	<.125	<.125	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125	<.125	<.125
Methyl ethyl ketone	mg/L	<.125	<.125	<.125	<.125
Tetrachloroethylene	mg/L	<.125	<.125	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125	<.125	<.125

APPENDIX B
QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results	Detection Limits	Blank Results	Batch Number
Free Liquid	%	PASS	1.00	-
Reactive Cyanide	mg/kg	ND	10.0	ND
Reactive Sulfide	mg/kg	ND	20.0	ND
Solids, Total	%	85.4	.100	-
pH (Electrode)	std	8.42	-	-
Flash Point, Seta Flash 60	Deg C	>60	-	-

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results	Detection Limits	Blank Results	Batch Number
Free Liquid	%	PASS	-	
Reactive Cyanide	mg/kg	ND	ND	N2I4240
Reactive Sulfide	mg/kg	ND	ND	N2I4243
Solids, Total	%	72.5	-	
pH (Electrode)	std	8.23	-	
Flash Point, Seta Flash 60	Deg C	>60	-	

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results	Detection Limits	Blank Results	Batch Number
Free Liquid	%	PASS	-	
Reactive Cyanide	mg/kg	ND	ND	N2I4240
Reactive Sulfide	mg/kg	ND	ND	N2I4243
Solids, Total	%	91.7	-	
pH (Electrode)	std	8.74	-	
Flash Point, Seta Flash 60	Deg C	>60	-	

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results	Detection Limits	Blank Results	Batch Number
Free Liquid	%	PASS	1.00	-
Reactive Cyanide	mg/kg	ND	10.0	ND
Reactive Sulfide	mg/kg	ND	20.0	ND
Solids, Total	%	83.7	.100	-
pH (Electrode)	std	7.98	-	-
Flash Point, Seta Flash 60	Deg C	>60	-	-

TARGET ANALYTE LIST TOTAL METALS ANALYSIS, (ME20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aluminum	2390	.933	2.70	N2M6149R
Antimony	1.17	.985	ND	N2M6149R
Arsenic	.884	.217	ND	N2R6150
Barium	13.1	.041	ND	N2M6149R
Beryllium	.072	.020	ND	N2M6149R
Cadmium	.759	.070	ND	N2M6149R
Calcium	42400	3.11	ND	N2M6149R
Chromium	7.03	.148	ND	N2M6149R
Cobalt	.343	.093	ND	N2M6149R
Copper	5.67	.131	.313	N2M6149R
Iron	2220	1.73	ND	N2M6149R
Lead	22.4	.779	ND	N2M6149R
Magnesium	753	1.78	ND	N2M6149R
Manganese	30.2	.032	.060	N2M6149R
Mercury	.029	.010	ND	N2G6151
Nickel	1.38	.369	ND	N2M6149R
Potassium	177	32.6	ND	N2M6149R
Selenium	ND	.141	ND	N2R6150
Silver	ND	.247	ND	N2M6149R
Sodium	84.9	1.09	ND	N2M6149R
Thallium	ND	.228	ND	N2R6150
Vanadium	6.95	.125	ND	N2M6149R
Zinc	31.4	.090	.393	N2M6149R

TARGET ANALYTE LIST TOTAL METALS ANALYSIS, (ME20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aluminum	2240	1.10	2.70	N2M6149R
Antimony	1.96	1.16	ND	N2M6149R
Arsenic	1.05	.255	ND	N2R6150
Barium	50.7	.048	ND	N2M6149R
Beryllium	.076	.024	ND	N2M6149R
Cadmium	.726	.082	ND	N2M6149R
Calcium	44200	3.66	ND	N2M6149R
Chromium	13.3	.175	ND	N2M6149R
Cobalt	.969	.110	ND	N2M6149R
Copper	7.02	.154	.313	N2M6149R
Iron	4180	2.03	ND	N2M6149R
Lead	114	.918	ND	N2M6149R
Magnesium	2120	2.10	ND	N2M6149R
Manganese	34.2	.038	.060	N2M6149R
Mercury	.020	.010	ND	N2G6151
Nickel	4.01	.435	ND	N2M6149R
Potassium	142	38.4	ND	N2M6149R
Selenium	ND	.166	ND	N2R6150
Silver	ND	.291	ND	N2M6149R
Sodium	98.6	1.28	ND	N2M6149R
Thallium	ND	.268	ND	N2R6150
Vanadium	6.71	.147	ND	N2M6149R
Zinc	293	.106	.393	N2M6149R

TARGET ANALYTE LIST TOTAL METALS ANALYSIS, (ME20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAO3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aluminum	777	.779	2.70	N2M6149R
Antimony	1.03	.823	ND	N2M6149R
Arsenic	.729	.218	ND	N2R6150
Barium	14.1	.034	ND	N2M6149R
Beryllium	.053	.017	ND	N2M6149R
Cadmium	.388	.058	ND	N2M6149R
Calcium	127000	14.2	ND	N2M6149R
Chromium	6.94	.124	ND	N2M6149R
Cobalt	.153	.078	ND	N2M6149R
Copper	26.7	.109	.313	N2M6149R
Iron	1950	1.44	ND	N2M6149R
Lead	43.9	.650	ND	N2M6149R
Magnesium	1460	1.49	ND	N2M6149R
Manganese	21.8	.027	.060	N2M6149R
Mercury	.013	.010	ND	N2G6151
Nickel	1.34	.308	ND	N2M6149R
Potassium	149	27.2	ND	N2M6149R
Selenium	ND	.142	ND	N2R6150
Silver	ND	.206	ND	N2M6149R
Sodium	159	.908	ND	N2M6149R
Thallium	ND	.229	ND	N2R6150
Vanadium	4.13	.104	ND	N2M6149R
Zinc	34.5	.075	.393	N2M6149R

TARGET ANALYTE LIST TOTAL METALS ANALYSIS, (ME20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aluminum	2280	.933	2.70	N2M6149R
Antimony	1.09	.985	ND	N2M6149R
Arsenic	.615	.230	ND	N2R6150
Barium	20.1	.041	ND	N2M6149R
Beryllium	.026	.020	ND	N2M6149R
Cadmium	.320	.070	ND	N2M6149R
Calcium	2150	3.11	ND	N2M6149R
Chromium	3.78	.148	ND	N2M6149R
Cobalt	.216	.093	ND	N2M6149R
Copper	7.53	.131	.313	N2M6149R
Iron	2180	1.73	ND	N2M6149R
Lead	55.8	.779	ND	N2M6149R
Magnesium	126	1.78	ND	N2M6149R
Manganese	9.80	.032	.060	N2M6149R
Mercury	.092	.010	ND	N2G6151
Nickel	.939	.369	ND	N2M6149R
Potassium	106	32.6	ND	N2M6149R
Selenium	ND	.149	ND	N2R6150
Silver	ND	.247	ND	N2M6149R
Sodium	10.5	1.09	ND	N2M6149R
Thallium	ND	.241	ND	N2R6150
Vanadium	3.26	.125	ND	N2M6149R
Zinc	56.1	.090	.393	N2M6149R

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.019	ND	N2P50425
Alpha-BHC	ND	.019	ND	N2P50425
Beta-BHC	ND	.019	ND	N2P50425
Chlordane	ND	.193	ND	N2P50425
4,4'-DDD	ND	.019	ND	N2P50425
4,4'-DDE	ND	.019	ND	N2P50425
4,4'-DDT	ND	.019	.002	N2P50425
Delta-BHC	ND	.019	ND	N2P50425
Dieldrin	ND	.019	ND	N2P50425
Endosulfan sulfate	ND	.019	ND	N2P50425
Endosulfan I	ND	.019	ND	N2P50425
Endosulfan II	ND	.019	ND	N2P50425
Endrin	ND	.019	ND	N2P50425
Endrin aldehyde	ND	.019	ND	N2P50425
Endrin ketone	ND	.019	ND	N2P50425
Gamma-BHC	ND	.019	ND	N2P50425
Heptachlor	ND	.019	ND	N2P50425
Heptachlor epoxide	ND	.019	ND	N2P50425
Methoxychlor	ND	.019	ND	N2P50425
Toxaphene	ND	.386	ND	N2P50425
Aroclor 1016	ND	1.95	ND	N2P50425
Aroclor 1231	ND	1.95	ND	N2P50425
Aroclor 1232	ND	1.95	ND	N2P50425
Aroclor 1242	ND	1.95	ND	N2P50425
Aroclor 1248	ND	1.95	ND	N2P50425
Aroclor 1254	ND	1.95	ND	N2P50425
Aroclor 1260	2.84	1.95	ND	N2P50425

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.023	ND	N2P50425A
Alpha-BHC	ND	.023	ND	N2P50425A
Beta-BHC	ND	.023	ND	N2P50425A
Chlordane	108	4.59	ND	N2P50425A
4,4'-DDD	ND	.023	ND	N2P50425A
4,4'-DDE	ND	.023	ND	N2P50425A
4,4'-DDT	ND	.023	ND	N2P50425A
Delta-BHC	ND	.023	ND	N2P50425A
Dieldrin	ND	.023	ND	N2P50425A
Endosulfan sulfate	ND	.023	ND	N2P50425A
Endosulfan I	ND	.023	ND	N2P50425A
Endosulfan II	ND	.023	ND	N2P50425A
Endrin	ND	.023	ND	N2P50425A
Endrin aldehyde	ND	.023	ND	N2P50425A
Endrin ketone	ND	.023	ND	N2P50425A
Gamma-BHC	ND	.023	ND	N2P50425A
Heptachlor	ND	.023	ND	N2P50425A
Heptachlor epoxide	ND	.023	ND	N2P50425A
Methoxychlor	ND	.023	ND	N2P50425A
Toxaphene	ND	.460	ND	N2P50425A
Aroclor 1016	ND	.230	ND	N2P50425A
Aroclor 1221	ND	.230	ND	N2P50425A
Aroclor 1232	ND	.230	ND	N2P50425A
Aroclor 1242	ND	.230	ND	N2P50425A
Aroclor 1248	ND	.230	ND	N2P50425A
Aroclor 1254	ND	.230	ND	N2P50425A
Aroclor 1260	ND	.230	ND	N2P50425A

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	N2P50425
Alpha-BHC	ND	.018	ND	N2P50425
Beta-BHC	ND	.018	ND	N2P50425
Chlordane	14.6	1.77	ND	N2P50425
4,4'-DDD	102	1.77	ND	N2P50425
4,4'-DDE	29.6	.355	ND	N2P50425
4,4'-DDT	275	1.77	.002	N2P50425
Delta-BHC	ND	.018	ND	N2P50425
Dieldrin	ND	.018	ND	N2P50425
Endosulfan sulfate	ND	.018	ND	N2P50425
Endosulfan I	ND	.018	ND	N2P50425
Endosulfan II	ND	.018	ND	N2P50425
Endrin	ND	.018	ND	N2P50425
Endrin aldehyde	ND	.018	ND	N2P50425
Endrin ketone	ND	.018	ND	N2P50425
Gamma-BHC	ND	.018	ND	N2P50425
Heptachlor	ND	.018	ND	N2P50425
Heptachlor epoxide	ND	.018	ND	N2P50425
Methoxychlor	ND	.018	ND	N2P50425
Toxaphene	ND	.355	ND	N2P50425
Aroclor 1016	ND	.177	ND	N2P50425
Aroclor 1021	ND	.177	ND	N2P50425
Aroclor 1232	ND	.177	ND	N2P50425
Aroclor 1242	ND	.177	ND	N2P50425
Aroclor 1248	ND	.177	ND	N2P50425
Aroclor 1254	ND	.177	ND	N2P50425
Aroclor 1260	ND	.177	ND	N2P50425

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.019	ND	N2P50425
Alpha-BHC	ND	.019	ND	N2P50425
Beta-BHC	ND	.019	ND	N2P50425
Chlordane	ND	.195	ND	N2P50425
4,4'-DDD	.142	.019	ND	N2P50425
4,4'-DDE	.146	.019	ND	N2P50425
4,4'-DDT	.502	.019	.002	N2P50425
Delta-BHC	ND	.019	ND	N2P50425
Dieldrin	.125	.019	ND	N2P50425
Endosulfan sulfate	ND	.019	ND	N2P50425
Endosulfan I	ND	.019	ND	N2P50425
Endosulfan II	ND	.019	ND	N2P50425
Endrin	ND	.019	ND	N2P50425
Endrin aldehyde	ND	.019	ND	N2P50425
Endrin ketone	ND	.019	ND	N2P50425
Gamma-BHC	ND	.019	ND	N2P50425
Heptachlor	ND	.019	ND	N2P50425
Heptachlor epoxide	ND	.019	ND	N2P50425
Methoxychlor	ND	.019	ND	N2P50425
Toxaphene	ND	.389	ND	N2P50425
Aroclor 1016	ND	.195	ND	N2P50425
Aroclor 1221	ND	.195	ND	N2P50425
Aroclor 1232	ND	.195	ND	N2P50425
Aroclor 1242	ND	.195	ND	N2P50425
Aroclor 1248	ND	.195	ND	N2P50425
Aroclor 1254	ND	.195	ND	N2P50425
Aroclor 1260	ND	.195	ND	N2P50425

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name Facility Sample Point ASC Sample No.
 OHM REMEDIATION SERVICES CORP. 016866N CLJAOC1001 J00558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.386	ND	N2C50353
Acenaphthylene	ND	.386	ND	N2C50353
Anthracene	ND	.386	ND	N2C50353
Benzo (a) anthracene	ND	.386	ND	N2C50353
Benzo (b) fluoranthene	.470	.386	ND	N2C50353
Benzo (k) fluoranthene	ND	.386	ND	N2C50353
Benzo (a) pyrene	ND	.386	ND	N2C50353
bis (2-Chloroethoxy) methane	ND	.386	ND	N2C50353
bis (2-Ethylhexyl) phtalate	ND	.386	ND	N2C50353
Carbazole	ND	.386	ND	N2C50353
4-Chloroaniline	ND	.386	ND	N2C50353
2-Chloronaphthalene	ND	.386	ND	N2C50353
2-Chlorophenol	ND	.386	ND	N2C50353
Chrysene	ND	.386	ND	N2C50353
Dibenzo (a, h) anthracene	ND	.386	ND	N2C50353
Dibenzofuran	ND	.386	ND	N2C50353
1,2-Dichlorobenzene	ND	.386	ND	N2C50353
1,3-Dichlorobenzene	ND	.386	ND	N2C50353
1,4-Dichlorobenzene	ND	.386	ND	N2C50353
3,3'-Dichlorobenzidine	ND	.386	ND	N2C50353
2,4-Dichlorophenol	ND	.386	ND	N2C50353
2,4-Dimethylphenol	ND	.386	ND	N2C50353
2,4-Dinitrophenol	ND	1.93	ND	N2C50353
2,4-Dinitrotoluene	ND	.386	ND	N2C50353
2,6-Dinitrotoluene	ND	.386	ND	N2C50353
Fluoranthene	ND	.386	ND	N2C50353
Fluorene	ND	.386	ND	N2C50353
Hexachlorobenzene	ND	.386	ND	N2C50353
Hexachlorobutadiene	ND	.386	ND	N2C50353
Hexachlorocyclopentadiene	ND	.386	ND	N2C50353
Hexachloroethane	ND	.386	ND	N2C50353
Indeno (1,2,3-cd) pyrene	ND	.386	ND	N2C50353
Isophorone	ND	.386	ND	N2C50353
2-Methylnaphthalene	ND	.386	ND	N2C50353
2-Methylphenol	ND	.386	ND	N2C50353
4-Methylphenol	ND	.386	ND	N2C50353
N-Nitrosodiphenylamine	ND	.386	ND	N2C50353
Naphthalene	ND	.386	ND	N2C50353
2-Nitroaniline	ND	.386	ND	N2C50353
3-Nitroaniline	ND	.386	ND	N2C50353
4-Nitroaniline	ND	.386	ND	N2C50353
Nitrobenzene	ND	.386	ND	N2C50353
2-Nitrophenol	ND	.386	ND	N2C50353
4-Nitrophenol	ND	1.93	ND	N2C50353
Pentachlorophenol	ND	.386	ND	N2C50353
Phenanthrene	ND	.386	ND	N2C50353
Phenol	ND	.386	ND	N2C50353
Pyrene	ND	.386	ND	N2C50353
1,2,4-Trichlorobenzene	ND	.386	ND	N2C50353
2,4,5-Trichlorophenol	ND	.386	ND	N2C50353

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
2,4,6-Trichlorophenol	ND	.386	ND	N2C50353
4,6-Dinitro-2-methylphenol	ND	.964	ND	N2C50353
4-Chloro-3-methylphenol	ND	.386	ND	N2C50353
N-Nitroso-di-n-propylamine	ND	.386	ND	N2C50353
bis(2-Chloroethyl) ether	ND	.386	ND	N2C50353
Dimethylphthalate	ND	.386	ND	N2C50353
Diethylphthalate	ND	.386	ND	N2C50353
4-Chlorophenyl-phenylether	ND	.386	ND	N2C50353
4-Bromophenyl-phenylether	ND	.386	ND	N2C50353
Di-n-butylphthalate	ND	.386	ND	N2C50353
Butylbenzylphthalate	ND	.386	ND	N2C50353
Di-n-octylphthalate	ND	.386	ND	N2C50353
Benzo(g,h,i)perylene	ND	.386	ND	N2C50353
2,2'-oxybis(1-Chloropropene)	ND	.386	ND	N2C50353

2,4-Dinitrophenol and 4-Methylphenol coelute and are reported as the total.

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS, GC/MS, (CL1F)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Unk biphenyl	.164	-	-	N2C50353
Unk biphenyl	.162	-	-	N2C50353
Unk hydrocarbon	.222	-	-	N2C50353
Unk hydrocarbon	.380	-	-	N2C50353
unknown	.578	-	-	N2C50353
Oleic Acid	.663	-	-	N2C50353
2-Pentanone, 4-hydroxy-4-methy	2.11	-	-	N2C50353
Decanoic acid	.290	-	-	N2C50353
Oxacycloheptadecan-2-one	.269	-	-	N2C50353
Butanoic acid	.144	-	-	N2C50353
Hexadecanoic acid	.239	-	-	N2C50353
Octadecanoic acid	.550	-	-	N2C50353

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.455	ND	N2C50353
Acenaphthylene	ND	.455	ND	N2C50353
Anthracene	ND	.455	ND	N2C50353
Benzo (a) anthracene	ND	.455	ND	N2C50353
Benzo (b) fluoranthene	ND	.455	ND	N2C50353
Benzo (k) fluoranthene	ND	.455	ND	N2C50353
Benzo (a) pyrene	ND	.455	ND	N2C50353
bis (2-Chloroethoxy) methane	ND	.455	ND	N2C50353
bis (2-Ethylhexyl) phthalate	ND	.455	ND	N2C50353
Carbazole	ND	.455	ND	N2C50353
4-Chloroaniline	ND	.455	ND	N2C50353
2-Chloronaphthalene	ND	.455	ND	N2C50353
2-Chlorophenol	ND	.455	ND	N2C50353
Chrysene	ND	.455	ND	N2C50353
Dibenzo (a, h) anthracene	ND	.455	ND	N2C50353
Dibenzofuran	ND	.455	ND	N2C50353
1,2-Dichlorobenzene	ND	.455	ND	N2C50353
1,3-Dichlorobenzene	ND	.455	ND	N2C50353
1,4-Dichlorobenzene	ND	.455	ND	N2C50353
3,3'-Dichlorobenzidine	ND	.455	ND	N2C50353
2,4-Dichlorophenol	ND	.455	ND	N2C50353
2,4-Dimethylphenol	ND	.455	ND	N2C50353
2,4-Dinitrophenol	ND	2.27	ND	N2C50353
2,4-Dinitrotoluene	ND	.455	ND	N2C50353
2,6-Dinitrotoluene	ND	.455	ND	N2C50353
Fluoranthene	ND	.455	ND	N2C50353
Fluorene	ND	.455	ND	N2C50353
Hexachlorobenzene	ND	.455	ND	N2C50353
Hexachlorobutadiene	ND	.455	ND	N2C50353
Hexachlorocyclopentadiene	ND	.455	ND	N2C50353
Hexachloroethane	ND	.455	ND	N2C50353
Indeno (1, 2, 3-cd) pyrene	ND	.455	ND	N2C50353
Isophorone	ND	.455	ND	N2C50353
2-Methylnaphthalene	ND	.455	ND	N2C50353
2-Methylphenol	ND	.455	ND	N2C50353
4-Methylphenol	ND	.455	ND	N2C50353
N-Nitrosodiphenylamine	ND	.455	ND	N2C50353
Naphthalene	ND	.455	ND	N2C50353
2-Nitroaniline	ND	.455	ND	N2C50353
3-Nitroaniline	ND	.455	ND	N2C50353
4-Nitroaniline	ND	.455	ND	N2C50353
Nitrobenzene	ND	.455	ND	N2C50353
2-Nitrophenol	ND	.455	ND	N2C50353
4-Nitrophenol	ND	2.27	ND	N2C50353
Pentachlorophenol	ND	.455	ND	N2C50353
Phenanthrene	ND	.455	ND	N2C50353
Phenol	ND	.455	ND	N2C50353
Pyrene	ND	.455	ND	N2C50353
1,2,4-Trichlorobenzene	ND	.455	ND	N2C50353
2,4,5-Trichlorophenol	ND	.455	ND	N2C50353

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
2,4,6-Trichlorophenol	ND	.455	ND	N2C50353
4,6-Dinitro-2-methylphenol	ND	1.14	ND	N2C50353
4-Chloro-3-methylphenol	ND	.455	ND	N2C50353
N-Nitroso-di-n-propylamine	ND	.455	ND	N2C50353
bis(2-Chloroethyl) ether	ND	.455	ND	N2C50353
Dimethylphthalate	ND	.455	ND	N2C50353
Diethylphthalate	ND	.455	ND	N2C50353
4-Chlorophenyl-phenylether	ND	.455	ND	N2C50353
4-Bromophenyl-phenylether	ND	.455	ND	N2C50353
Di-n-butylphthalate	ND	.455	ND	N2C50353
Butylbenzylphthalate	ND	.455	ND	N2C50353
Di-n-octylphthalate	ND	.455	ND	N2C50353
Benzo(g,h,i)perylene	ND	.455	ND	N2C50353
2,2'-oxybis(1-Chloropropene)	ND	.455	ND	N2C50353

1-Methyl- and 4-Methylphenol coelute and are reported as the total

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS, GC/MS, (CL1F)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
unknown	2.52	-	-	N2C50353
Chlordene isomer	3.08	-	-	N2C50353
unknown	1.03	-	-	N2C50353
Chlordene isomer	3.94	-	-	N2C50353
unknown	2.30	-	-	N2C50353
unknown	1.60	-	-	N2C50353
unknown	4.73	-	-	N2C50353
Chlordene isomer	1.73	-	-	N2C50353
Chlordane isomer	4.91	-	-	N2C50353
Chlordane isomer	7.45	-	-	N2C50353
unknown	1.48	-	-	N2C50353
Unk substituted aromatic	3.13	-	-	N2C50353
unknown	3.12	-	-	N2C50353
2-Pentanone, 4-hydroxy-4-methy	1.86	-	-	N2C50353
Mitotane	1.48	-	-	N2C50353
Mitotane	3.09	-	-	N2C50353
Chlorophenothane	1.95	-	-	N2C50353
cis-Nonachlor	4.26	-	-	N2C50353
Heptachlor	1.23	-	-	N2C50353
4,7-Methano-1H-indene, 1,2,3,4	3.23	-	-	N2C50353

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.363	ND	N2C50353
Acenaphthylene	ND	.363	ND	N2C50353
Anthracene	ND	.363	ND	N2C50353
Benzo (a) anthracene	ND	.363	ND	N2C50353
Benzo (b) fluoranthene	ND	.363	ND	N2C50353
Benzo (k) fluoranthene	ND	.363	ND	N2C50353
Benzo (a) pyrene	ND	.363	ND	N2C50353
bis (2-Chloroethoxy) methane	ND	.363	ND	N2C50353
bis (2-Ethylhexyl) phthalate	ND	.363	ND	N2C50353
Carbazole	ND	.363	ND	N2C50353
4-Chloroaniline	ND	.363	ND	N2C50353
2-Chloronaphthalene	ND	.363	ND	N2C50353
2-Chlorophenol	ND	.363	ND	N2C50353
Chrysene	ND	.363	ND	N2C50353
Dibenzo (a, h) anthracene	ND	.363	ND	N2C50353
Dibenzofuran	ND	.363	ND	N2C50353
1, 2-Dichlorobenzene	ND	.363	ND	N2C50353
1, 3-Dichlorobenzene	ND	.363	ND	N2C50353
1, 4-Dichlorobenzene	ND	.363	ND	N2C50353
3, 3'-Dichlorobenzidine	ND	.363	ND	N2C50353
2, 4-Dichlorophenol	ND	.363	ND	N2C50353
2, 4-Dimethylphenol	ND	.363	ND	N2C50353
2, 4-Dinitrophenol	ND	1.82	ND	N2C50353
2, 4-Dinitrotoluene	ND	.363	ND	N2C50353
2, 6-Dinitrotoluene	ND	.363	ND	N2C50353
Fluoranthene	ND	.363	ND	N2C50353
Fluorene	ND	.363	ND	N2C50353
Hexachlorobenzene	ND	.363	ND	N2C50353
Hexachlorobutadiene	ND	.363	ND	N2C50353
Hexachlorocyclopentadiene	ND	.363	ND	N2C50353
Hexachloroethane	ND	.363	ND	N2C50353
Indeno (1, 2, 3-cd) pyrene	ND	.363	ND	N2C50353
Isophorone	ND	.363	ND	N2C50353
2-Methylnaphthalene	ND	.363	ND	N2C50353
2-Methylphenol	ND	.363	ND	N2C50353
4-Methylphenol	ND	.363	ND	N2C50353
N-Nitrosodiphenylamine	ND	.363	ND	N2C50353
Naphthalene	ND	.363	ND	N2C50353
2-Nitroaniline	ND	.363	ND	N2C50353
3-Nitroaniline	ND	.363	ND	N2C50353
4-Nitroaniline	ND	.363	ND	N2C50353
Nitrobenzene	ND	.363	ND	N2C50353
2-Nitrophenol	ND	.363	ND	N2C50353
4-Nitrophenol	ND	1.82	ND	N2C50353
Pentachlorophenol	ND	.363	ND	N2C50353
Phenanthrene	ND	.363	ND	N2C50353
Phenol	ND	.363	ND	N2C50353
Pyrene	ND	.363	ND	N2C50353
1, 2, 4-Trichlorobenzene	ND	.363	ND	N2C50353
2, 4, 5-Trichlorophenol	ND	.363	ND	N2C50353

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
2,4,6-Trichlorophenol	ND	.363	ND	N2C50353
4,6-Dinitro-2-methylphenol	ND	.908	ND	N2C50353
4-Chloro-3-methylphenol	ND	.363	ND	N2C50353
N-Nitroso-di-n-propylamine	ND	.363	ND	N2C50353
bis(2-Chloroethyl) ether	ND	.363	ND	N2C50353
Dimethylphthalate	ND	.363	ND	N2C50353
Diethylphthalate	ND	.363	ND	N2C50353
4-Chlorophenyl-phenylether	ND	.363	ND	N2C50353
4-Bromophenyl-phenylether	ND	.363	ND	N2C50353
Di-n-butylphthalate	ND	.363	ND	N2C50353
Butylbenzylphthalate	ND	.363	ND	N2C50353
Di-n-octylphthalate	ND	.363	ND	N2C50353
Benzo(g,h,i)perylene	ND	.363	ND	N2C50353
2,2'-oxybis(1-Chloropropene)	ND	.363	ND	N2C50353

1-Methyl- and 4-Methylphenol coelute and are reported as the total.
 The sample matrix has interfered with one or more of the internal standards. This has been confirmed by replicate analysis.

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS, GC/MS, (CLIF)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
unknown	.415	-	-	N2C50353
unknown	2.62	-	-	N2C50353
2-Pentanone, 4-hydroxy-4-methy	1.97	-	-	N2C50353
o,p'-DDT	3.00	-	-	N2C50353
o,p'-DDT	17.6	-	-	N2C50353
Chlorobenzilate	6.72	-	-	N2C50353
Mitotane	7.13	-	-	N2C50353
Mitotane	.400	-	-	N2C50353
Mitotane	11.6	-	-	N2C50353
Pentadecane, 2,6,10,14-tetrame	.558	-	-	N2C50353
Benzene, 1,4-dichloro-2-(2-chl	.793	-	-	N2C50353
Benzenemethanol, 2,4-dichloro-	.918	-	-	N2C50353
o,p'-DDE	6.33	-	-	N2C50353
Technical chlorophenothane	2.13	-	-	N2C50353
Methanone, (3-chlorophenyl) (4-	.863	-	-	N2C50353
4,7-Methano-1H-indene, 1,2,3,4	.704	-	-	N2C50353
O,p'-TDE olefin	1.61	-	-	N2C50353
O,p'-TDE olefin	1.27	-	-	N2C50353
O,p'-TDE olefin	.852	-	-	N2C50353
O,p'-TDE olefin	2.29	-	-	N2C50353

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.395	ND	N2C50353
Acenaphthylene	ND	.395	ND	N2C50353
Anthracene	ND	.395	ND	N2C50353
Benzo (a) anthracene	ND	.395	ND	N2C50353
Benzo (b) fluoranthene	ND	.395	ND	N2C50353
Benzo (k) fluoranthene	ND	.395	ND	N2C50353
Benzo (a) pyrene	ND	.395	ND	N2C50353
bis (2-Chloroethoxy) methane	ND	.395	ND	N2C50353
bis (2-Ethylhexyl) phtalate	1.17	.395	ND	N2C50353
Carbazole	ND	.395	ND	N2C50353
4-Chloroaniline	ND	.395	ND	N2C50353
2-Chloronaphthalene	ND	.395	ND	N2C50353
2-Chlorophenol	ND	.395	ND	N2C50353
Chrysene	ND	.395	ND	N2C50353
Dibenzo (a, h) anthracene	ND	.395	ND	N2C50353
Dibenzofuran	ND	.395	ND	N2C50353
1,2-Dichlorobenzene	ND	.395	ND	N2C50353
1,3-Dichlorobenzene	ND	.395	ND	N2C50353
1,4-Dichlorobenzene	ND	.395	ND	N2C50353
3,3'-Dichlorobenzidine	ND	.395	ND	N2C50353
2,4-Dichlorophenol	ND	.395	ND	N2C50353
2,4-Dimethylphenol	ND	.395	ND	N2C50353
2,4-Dinitrophenol	ND	1.97	ND	N2C50353
2,4-Dinitrotoluene	ND	.395	ND	N2C50353
2,6-Dinitrotoluene	ND	.395	ND	N2C50353
Fluoranthene	ND	.395	ND	N2C50353
Fluorene	ND	.395	ND	N2C50353
Hexachlorobenzene	ND	.395	ND	N2C50353
Hexachlorobutadiene	ND	.395	ND	N2C50353
Hexachlorocyclopentadiene	ND	.395	ND	N2C50353
Hexachloroethane	ND	.395	ND	N2C50353
Indeno (1,2,3-cd) pyrene	ND	.395	ND	N2C50353
Isophorone	ND	.395	ND	N2C50353
2-Methylnaphthalene	ND	.395	ND	N2C50353
2-Methylphenol	ND	.395	ND	N2C50353
4-Methylphenol	ND	.395	ND	N2C50353
N-Nitrosodiphenylamine	ND	.395	ND	N2C50353
Naphthalene	ND	.395	ND	N2C50353
2-Nitroaniline	ND	.395	ND	N2C50353
3-Nitroaniline	ND	.395	ND	N2C50353
4-Nitroaniline	ND	.395	ND	N2C50353
Nitrobenzene	ND	.395	ND	N2C50353
2-Nitrophenol	ND	.395	ND	N2C50353
4-Nitrophenol	ND	1.97	ND	N2C50353
Pentachlorophenol	ND	.395	ND	N2C50353
Phenanthrene	ND	.395	ND	N2C50353
Phenol	ND	.395	ND	N2C50353
Pyrene	ND	.395	ND	N2C50353
1,2,4-Trichlorobenzene	ND	.395	ND	N2C50353
2,4,5-Trichlorophenol	ND	.395	ND	N2C50353

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
2,4,6-Trichlorophenol	ND	.395	ND	N2C50353
4,6-Dinitro-2-methylphenol	ND	.987	ND	N2C50353
4-Chloro-3-methylphenol	ND	.395	ND	N2C50353
N-Nitroso-di-n-propylamine	ND	.395	ND	N2C50353
bis(2-Chloroethyl) ether	ND	.395	ND	N2C50353
Dimethylphthalate	ND	.395	ND	N2C50353
Diethylphthalate	ND	.395	ND	N2C50353
4-Chlorophenyl-phenylether	ND	.395	ND	N2C50353
4-Bromophenyl-phenylether	ND	.395	ND	N2C50353
Di-n-butylphthalate	ND	.395	ND	N2C50353
Butylbenzylphthalate	ND	.395	ND	N2C50353
Di-n-octylphthalate	ND	.395	ND	N2C50353
Benzo(g,h,i)perylene	ND	.395	ND	N2C50353
2,2'-oxybis(1-Chloropropene)	ND	.395	ND	N2C50353

1-Methyl- and 4-Methylphenol coelute and are reported as the total
The sample matrix has interfered with one or more of the internal
standards. This has been confirmed by replicate analysis.

SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS, GC/MS, (CL1F)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Unk hydrocarbon	.160	-	-	N2C50353
unknown	.137	-	-	N2C50353
2-Pentanone, 4-hydroxy-4-methy	1.98	-	-	N2C50353
Benzene, 1,1'-methylenebis[4-c	.197	-	-	N2C50353
Hexadecanoic acid	.263	-	-	N2C50353
Octadecanoic acid	.796	-	-	N2C50353

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST VOLATILE ANALYSIS, MS, (MV20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	ND	.011	ND	N2V4300
Benzene	ND	.006	ND	N2V4300
Bromoform	ND	.006	ND	N2V4300
Carbon disulfide	ND	.006	ND	N2V4300
Carbon tetrachloride	ND	.006	ND	N2V4300
Chlorobenzene	ND	.006	ND	N2V4300
Chlorodibromomethane	ND	.006	ND	N2V4300
Chloroethane	ND	.006	ND	N2V4300
Chloroform	ND	.006	ND	N2V4300
Dichlorobromomethane	ND	.006	ND	N2V4300
1,1-Dichloroethane	ND	.006	ND	N2V4300
1,2-Dichloroethane	ND	.006	ND	N2V4300
1,1-Dichloroethylene	ND	.006	ND	N2V4300
1,2-Dichloropropane	ND	.006	ND	N2V4300
cis-1,3-Dichloropropylene	ND	.006	ND	N2V4300
trans-1,3-Dichloropropylene	ND	.006	ND	N2V4300
Ethylbenzene	ND	.006	ND	N2V4300
2-Hexanone	ND	.006	ND	N2V4300
Methyl bromide	ND	.006	ND	N2V4300
Methyl chloride	ND	.006	ND	N2V4300
Methylene chloride	.037	.006	.006	N2V4300
Methyl ethyl ketone	ND	.006	ND	N2V4300
Methyl-iso-butyl ketone	ND	.011	ND	N2V4300
Styrene	ND	.006	ND	N2V4300
1,1,2,2-Tetrachloroethane	ND	.006	ND	N2V4300
Tetrachloroethylene	ND	.006	ND	N2V4300
Toluene	ND	.006	ND	N2V4300
1,2-Trans-dichloroethylene	ND	.006	ND	N2V4300
1,1,1-Trichloroethane	ND	.006	ND	N2V4300
Trichloroethylene	ND	.006	ND	N2V4300
Vinyl chloride	ND	.006	ND	N2V4300
Xylenes	ND	.006	ND	N2V4300

VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS , GC/MS, (CL1E)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAO1001	JO0558

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Ethane, 1,1,2-trichloro-1,2,2-	.013	-	-	N2V4300

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST VOLATILE ANALYSIS, MS, (MV20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	ND	.013	ND	N2V4300
Benzene	ND	.007	ND	N2V4300
Bromoform	ND	.007	ND	N2V4300
Carbon disulfide	ND	.007	ND	N2V4300
Carbon tetrachloride	ND	.007	ND	N2V4300
Chlorobenzene	ND	.007	ND	N2V4300
Chlorodibromomethane	ND	.007	ND	N2V4300
Chloroethane	ND	.007	ND	N2V4300
Chloroform	ND	.007	ND	N2V4300
Dichlorobromomethane	ND	.007	ND	N2V4300
1,1-Dichloroethane	ND	.007	ND	N2V4300
1,2-Dichloroethane	ND	.007	ND	N2V4300
1,1-Dichloroethylene	ND	.007	ND	N2V4300
1,2-Dichloropropane	ND	.007	ND	N2V4300
cis-1,3-Dichloropropylene	ND	.007	ND	N2V4300
trans-1,3-Dichloropropylene	ND	.007	ND	N2V4300
Ethylbenzene	ND	.007	ND	N2V4300
2-Hexanone	ND	.007	ND	N2V4300
Methyl bromide	ND	.007	ND	N2V4300
Methyl chloride	ND	.007	ND	N2V4300
Methylene chloride	.053	.007	.006	N2V4300
Methyl ethyl ketone	ND	.007	ND	N2V4300
Methyl-iso-butyl ketone	ND	.013	ND	N2V4300
Styrene	ND	.007	ND	N2V4300
1,1,2,2-Tetrachloroethane	ND	.007	ND	N2V4300
Tetrachloroethylene	ND	.007	ND	N2V4300
Toluene	ND	.007	ND	N2V4300
1,2-Trans-dichloroethylene	ND	.007	ND	N2V4300
1,1,1-Trichloroethane	ND	.007	ND	N2V4300
Trichloroethylene	ND	.007	ND	N2V4300
Vinyl chloride	ND	.007	ND	N2V4300
Xylenes	ND	.007	ND	N2V4300

VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS , GC/MS, (CL1E)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Ethane, 1,1,2-trichloro-1,2,2-	.061	-	-	N2V4300

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST VOLATILE ANALYSIS, MS, (MV20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	ND	.010	ND	N2V4300
Benzene	ND	.005	ND	N2V4300
Bromoform	ND	.005	ND	N2V4300
Carbon disulfide	ND	.005	ND	N2V4300
Carbon tetrachloride	ND	.005	ND	N2V4300
Chlorobenzene	ND	.005	ND	N2V4300
Chlorodibromomethane	ND	.005	ND	N2V4300
Chloroethane	ND	.005	ND	N2V4300
Chloroform	ND	.005	ND	N2V4300
Dichlorobromomethane	ND	.005	ND	N2V4300
1,1-Dichloroethane	ND	.005	ND	N2V4300
1,2-Dichloroethane	ND	.005	ND	N2V4300
1,1-Dichloroethylene	ND	.005	ND	N2V4300
1,2-Dichloropropane	ND	.005	ND	N2V4300
cis-1,3-Dichloropropylene	ND	.005	ND	N2V4300
trans-1,3-Dichloropropylene	ND	.005	ND	N2V4300
Ethylbenzene	ND	.005	ND	N2V4300
2-Hexanone	ND	.005	ND	N2V4300
Methyl bromide	ND	.005	ND	N2V4300
Methyl chloride	ND	.005	ND	N2V4300
Methylene chloride	.017	.005	.006	N2V4300
Methyl ethyl ketone	ND	.005	ND	N2V4300
Methyl-iso-butyl ketone	ND	.010	ND	N2V4300
Styrene	ND	.005	ND	N2V4300
1,1,2,2-Tetrachloroethane	ND	.005	ND	N2V4300
Tetrachloroethylene	ND	.005	ND	N2V4300
Toluene	ND	.005	ND	N2V4300
1,2-Trans-dichloroethylene	ND	.005	ND	N2V4300
1,1,1-Trichloroethane	ND	.005	ND	N2V4300
Trichloroethylene	ND	.005	ND	N2V4300
Vinyl chloride	ND	.005	ND	N2V4300
Xylenes	ND	.005	ND	N2V4300

VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS , GC/MS, (CL1E)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Ethane, 1,1,2-trichloro-1,2,2-	.014	-	-	N2V4300

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

TARGET COMPOUND LIST VOLATILE ANALYSIS, MS, (MV20)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAO4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	ND	.011	ND	N2V4300
Benzene	ND	.006	ND	N2V4300
Bromoform	ND	.006	ND	N2V4300
Carbon disulfide	ND	.006	ND	N2V4300
Carbon tetrachloride	ND	.006	ND	N2V4300
Chlorobenzene	ND	.006	ND	N2V4300
Chlorodibromomethane	ND	.006	ND	N2V4300
Chloroethane	ND	.006	ND	N2V4300
Chloroform	ND	.006	ND	N2V4300
Dichlorobromomethane	ND	.006	ND	N2V4300
1,1-Dichloroethane	ND	.006	ND	N2V4300
1,2-Dichloroethane	ND	.006	ND	N2V4300
1,1-Dichloroethylene	ND	.006	ND	N2V4300
1,2-Dichloropropane	ND	.006	ND	N2V4300
cis-1,3-Dichloropropylene	ND	.006	ND	N2V4300
trans-1,3-Dichloropropylene	ND	.006	ND	N2V4300
Ethylbenzene	ND	.006	ND	N2V4300
2-Hexanone	ND	.006	ND	N2V4300
Methyl bromide	ND	.006	ND	N2V4300
Methyl chloride	ND	.006	ND	N2V4300
Methylene chloride	.029	.006	.006	N2V4300
Methyl ethyl ketone	ND	.006	ND	N2V4300
Methyl-iso-butyl ketone	ND	.011	ND	N2V4300
Styrene	ND	.006	ND	N2V4300
1,1,2,2-Tetrachloroethane	ND	.006	ND	N2V4300
Tetrachloroethylene	ND	.006	ND	N2V4300
Toluene	ND	.006	ND	N2V4300
1,2-Trans-dichloroethylene	ND	.006	ND	N2V4300
1,1,1-Trichloroethane	ND	.006	ND	N2V4300
Trichloroethylene	ND	.006	ND	N2V4300
Vinyl chloride	ND	.006	ND	N2V4300
Xylenes	ND	.006	ND	N2V4300

VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS , GC/MS, (CL1E)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Ethane, 1,1,2-trichloro-1,2,2-	.071	-	-	N2V4300

The results listed above for the Tentatively Identified Compounds are considered estimated concentrations since a 1:1 response is assumed.

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	N7H50374
2,4,5-TP (Silvex)	ND	.250	ND	N7H50374

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORP. 016866N CLJAOC2001 JO0559

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	N7H50374
2,4,5-TP (Silvex)	ND	.250	ND	N7H50374

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORP. 016866N CLJAOC3001 JO0560

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	N7H50374
2,4,5-TP (Silvex)	ND	.250	ND	N7H50374

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name: OHM REMEDIATION SERVICES CORP.
 Facility: 016866N
 Sample Point: CLJAOC4001
 ASC Sample No.: JO0561

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	N7H50374
2,4,5-TP (Silvex)	ND	.250	ND	N7H50374

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	N7P50418
Endrin	ND	.002	ND	N7P50418
Heptachlor	ND	.002	ND	N7P50418
Heptachlor epoxide	ND	.002	ND	N7P50418
Lindane	ND	.002	ND	N7P50418
Methoxychlor	ND	.002	ND	N7P50418
Toxaphene	ND	.040	ND	N7P50418

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORP.

016866N

CLJAOC2001

JO0559

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	.022	.020	ND	N7P50418
Endrin	ND	.002	ND	N7P50418
Heptachlor	ND	.002	ND	N7P50418
Heptachlor epoxide	ND	.002	ND	N7P50418
Lindane	ND	.002	ND	N7P50418
Methoxychlor	ND	.002	ND	N7P50418
Toxaphene	ND	.040	ND	N7P50418

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	N7P50418
Endrin	ND	.002	ND	N7P50418
Heptachlor	ND	.002	ND	N7P50418
Heptachlor epoxide	ND	.002	ND	N7P50418
Lindane	ND	.002	ND	N7P50418
Methoxychlor	ND	.002	ND	N7P50418
Toxaphene	ND	.040	ND	N7P50418

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	N7P50418
Endrin	ND	.002	ND	N7P50418
Heptachlor	ND	.002	ND	N7P50418
Heptachlor epoxide	ND	.002	ND	N7P50418
Lindane	ND	.002	ND	N7P50418
Methoxychlor	ND	.002	ND	N7P50418
Toxaphene	ND	.040	ND	N7P50418

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.049	ND	N7M6142
Barium	.487	.001	ND	N7M6142
Cadmium	.024	.002	ND	N7M6142
Chromium	ND	.005	ND	N7M6142
Lead	.039	.027	ND	N7M6142
Mercury	ND	.001	ND	N7G6148
Selenium	ND	.035	ND	N7M6142
Silver	ND	.009	ND	N7M6142

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.049	ND	N7M6142
Barium	.634	.001	ND	N7M6142
Cadmium	.007	.002	ND	N7M6142
Chromium	ND	.005	ND	N7M6142
Lead	.092	.027	ND	N7M6142
Mercury	ND	.001	ND	N7G6148
Selenium	ND	.035	ND	N7M6142
Silver	ND	.009	ND	N7M6142

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.049	ND	N7M6142
Barium	.278	.001	ND	N7M6142
Cadmium	.005	.002	ND	N7M6142
Chromium	ND	.005	ND	N7M6142
Lead	ND	.027	ND	N7M6142
Mercury	ND	.001	ND	N7G6148
Selenium	ND	.035	ND	N7M6142
Silver	ND	.009	ND	N7M6142

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAO4001	JO0561

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.049	ND	N7M6142
Barium	.517	.001	ND	N7M6142
Cadmium	.004	.002	ND	N7M6142
Chromium	ND	.005	ND	N7M6142
Lead	.033	.027	ND	N7M6142
Mercury	ND	.001	ND	N7G6148
Selenium	ND	.035	ND	N7M6142
Silver	ND	.009	ND	N7M6142

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	N7C50371
Hexachlorobenzene	ND	.100	ND	N7C50371
Hexachloroethane	ND	.100	ND	N7C50371
Hexachlorobutadiene	ND	.100	ND	N7C50371
2-Methylphenol	ND	.100	ND	N7C50371
4-Methylphenol	ND	.100	ND	N7C50371
Nitrobenzene	ND	.100	ND	N7C50371
Pentachlorophenol	ND	.100	ND	N7C50371
Pyridine	ND	.100	ND	N7C50371
2,4,5-Trichlorophenol	ND	.100	ND	N7C50371
2,4,6-Trichlorophenol	ND	.100	ND	N7C50371

1-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	N7C50371
Hexachlorobenzene	ND	.100	ND	N7C50371
Hexachloroethane	ND	.100	ND	N7C50371
Hexachlorobutadiene	ND	.100	ND	N7C50371
2-Methylphenol	ND	.100	ND	N7C50371
4-Methylphenol	ND	.100	ND	N7C50371
Nitrobenzene	ND	.100	ND	N7C50371
Pentachlorophenol	ND	.100	ND	N7C50371
Pyridine	ND	.100	ND	N7C50371
2,4,5-Trichlorophenol	ND	.100	ND	N7C50371
2,4,6-Trichlorophenol	ND	.100	ND	N7C50371

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAO3001	JO0560

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	N7C50371
Hexachlorobenzene	ND	.100	ND	N7C50371
Hexachloroethane	ND	.100	ND	N7C50371
Hexachlorobutadiene	ND	.100	ND	N7C50371
2-Methylphenol	ND	.100	ND	N7C50371
4-Methylphenol	ND	.100	ND	N7C50371
Nitrobenzene	ND	.100	ND	N7C50371
Pentachlorophenol	ND	.100	ND	N7C50371
Pyridine	ND	.100	ND	N7C50371
2,4,5-Trichlorophenol	ND	.100	ND	N7C50371
2,4,6-Trichlorophenol	ND	.100	ND	N7C50371

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC4001	JO0561

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	N7C50371
Hexachlorobenzene	ND	.100	ND	N7C50371
Hexachloroethane	ND	.100	ND	N7C50371
Hexachlorobutadiene	ND	.100	ND	N7C50371
2-Methylphenol	ND	.100	ND	N7C50371
4-Methylphenol	ND	.100	ND	N7C50371
Nitrobenzene	ND	.100	ND	N7C50371
Pentachlorophenol	ND	.100	ND	N7C50371
Pyridine	ND	.100	ND	N7C50371
2,4,5-Trichlorophenol	ND	.100	ND	N7C50371
2,4,6-Trichlorophenol	ND	.100	ND	N7C50371

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC1001	JO0558

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	N7V4286
Carbon tetrachloride	ND	.125	ND	N7V4286
Chlorobenzene	ND	.125	ND	N7V4286
Chloroform	ND	.125	ND	N7V4286
1,4-Dichlorobenzene	ND	.125	ND	N7V4286
1,2-Dichloroethane	ND	.125	ND	N7V4286
1,1-Dichloroethylene	ND	.125	ND	N7V4286
Methyl ethyl ketone	ND	.125	ND	N7V4286
Tetrachloroethylene	ND	.125	ND	N7V4286
Trichloroethylene	ND	.125	ND	N7V4286
Vinyl chloride	ND	.125	ND	N7V4286

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC2001	JO0559

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	N7V4286
Carbon tetrachloride	ND	.125	ND	N7V4286
Chlorobenzene	ND	.125	ND	N7V4286
Chloroform	ND	.125	ND	N7V4286
1,4-Dichlorobenzene	ND	.125	ND	N7V4286
1,2-Dichloroethane	ND	.125	ND	N7V4286
1,1-Dichloroethylene	ND	.125	ND	N7V4286
Methyl ethyl ketone	ND	.125	ND	N7V4286
Tetrachloroethylene	ND	.125	ND	N7V4286
Trichloroethylene	ND	.125	ND	N7V4286
Vinyl chloride	ND	.125	ND	N7V4286

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAOC3001	JO0560

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	N7V4286
Carbon tetrachloride	ND	.125	ND	N7V4286
Chlorobenzene	ND	.125	ND	N7V4286
Chloroform	ND	.125	ND	N7V4286
1,4-Dichlorobenzene	ND	.125	ND	N7V4286
1,2-Dichloroethane	ND	.125	ND	N7V4286
1,1-Dichloroethylene	ND	.125	ND	N7V4286
Methyl ethyl ketone	ND	.125	ND	N7V4286
Tetrachloroethylene	ND	.125	ND	N7V4286
Trichloroethylene	ND	.125	ND	N7V4286
Vinyl chloride	ND	.125	ND	N7V4286

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORP.	016866N	CLJAO4001	JO0561

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	N7V4286
Carbon tetrachloride	ND	.125	ND	N7V4286
Chlorobenzene	ND	.125	ND	N7V4286
Chloroform	ND	.125	ND	N7V4286
1,4-Dichlorobenzene	ND	.125	ND	N7V4286
1,2-Dichloroethane	ND	.125	ND	N7V4286
1,1-Dichloroethylene	ND	.125	ND	N7V4286
Methyl ethyl ketone	ND	.125	ND	N7V4286
Tetrachloroethylene	ND	.125	ND	N7V4286
Trichloroethylene	ND	.125	ND	N7V4286
Vinyl chloride	ND	.125	ND	N7V4286

APPENDIX C
QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
Solids, Total (solid)	MCAWW	160.3
Paint Filter Test (Free Liquid)	SW-846	9095
<u>RCRA Characteristics</u>		
pH, Electrode (solid)	CLP	1.7.1.1.
Reactive Sulfide	SW-846	7.3.4.2
Flash Point, Seta Flash	SW-846	1020
Reactive Cyanide	SW-846	7.3.3.2
Metals		
Total Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7471
Arsenic by GFAA	SW-846	7060
Selenium by GFAA	SW-846	7740
Thallium by GFAA	SW-846	7841
Organics		
Pesticides and PCBs by GC	SW-846	8080
Volatile Compounds by GC/MS	SW-846	8240
Semi-volatile Compounds by GC/MS	SW-846	8270
RCRA TCLP		
Leachate Preparation	SW-846	1311
Herbicides by GC	SW-846	8150 (1)
Pesticides by GC	SW-846	8080
Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7470
Semi-volatile Compounds by GC/MS	SW-846	8270
Volatile Compounds by GC/MS	SW-846	8240

METHODOLOGY REFERENCES

- ASTM *American Society for Testing and Materials*, 1985 edition.
- MCAWW *Methods for Chemical Analysis of Water and Wastes*, April 1979 and Updated #1 March 1983.
- CLP *USEPA Contract Laboratory Program*, Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
- EPA-500 *USEPA Methods for the Determination of Organic Compounds in Drinking Water*, EPA-600/4-88/039 December 1988.
- EPA-600 *USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, EPA-600/4-82-057 July 1982.
- NIOSH *National Institute for Occupational Safety and Health*, 3rd edition, 1984.
- SMEWW *Standard Methods for the Examination of Water and Wastewater*, 17th edition, 1989.
- STOA *Spot Tests In Organic Analysis*, 7th edition, 1966.
- SW-846 *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, 3rd edition, September 1986 and Update #1 July 1992.
- (1) This method was modified to incorporate the use of Boron Trifluoride (BF₃) as the derivatizing reagent according to Method 6640 in *SMEWW*, 17th edition, 1989.
- Title 22 *Waste Extraction Test*, Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

Laboratory Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Connecticut	CDPH & AS	PH-0154
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- o US Army Corps of Engineers Chemical Analysis in Various Matrices

Approvals:

- o Chemical Waste Management Waste Characterization Analysis
- o EnviroSAFE Waste Characterization Analysis
- o USDA Permit for Importing Soils
- o Florida DEP Quality Assurance Plan #930034G
- o Naval Facilities Engineering Service Center Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	= milligram per kilogram (ppm)
Mg/m ³	= milligram per cubic meter
ug/kg	= microgram per kilogram (ppb)
mg/L	= milligram per liter (ppm)
ug/L	= microgram per liter (ppb)
mg/W	= milligram per wipe
ug/W	= microgram per wipe
mg/SMP	= milligram per sample
ug/SMP	= microgram per sample (Tedlar Bag)
ug/smp	= microgram per sample
um/cm	= microMho per centimeter
pCi/l	= picocurie per liter
gm/cc	= grams per cubic centimeter
ppm	= parts per million
ppb	= parts per billion
ND	= Not detected at or above stated detection limit
<	= less than
>	= greater than
%	= percent
BTU/lb	= British Thermal Units per pound
Deg. C	= Degrees Celsius
n/a	= not applicable
Unk	= unknown
std	= result is relative to standard pH units
CV	= Conventionals
IR	= Infrared Spectrophotometric
GC	= Gas Chromatograph Instrument
GC/MS	= Gas Chromatography/Mass Spectrometer Instrument
GRO	= Gasoline Range Organics
DRO	= Diesel Range Organics
PCB	= Polychlorinated Biphenyls (PCBs)
EP TOX	= Extraction Procedure Toxicity
TCLP	= Toxicity Characteristic Leaching Procedure
RCRA	= Resource Conservation and Recovery Act
SOW	= Statement of Work

QUALITY ASSURANCE DATA

CONVENTIONAL DATA (CV10)

Compounds	Blank Results	Blank Spike Recov	Unspiked Sample Results	Matrix Spike Recov	Relative Percent Diff	Batch Number
Reactive Cyanide	mg/kg	ND	60	-	-	N2I4240
Reactive Sulfide	mg/kg	ND	55	-	-	N2I4243

QUALITY ASSURANCE DATA

TARGET ANALYTE LIST TOTAL METALS ANALYSIS, (ME20)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aluminum	2.70	90	2280	363	5	N2M6149R
Antimony	ND	89	1.09	54	4	N2M6149R
Arsenic	ND	103	.615	71	8	N2R6150
Barium	ND	95	20.1	326	113	N2M6149R
Beryllium	ND	90	.026	81	1	N2M6149R
Cadmium	ND	86	.320	77	0	N2M6149R
Calcium	ND	96	2150	96	16	N2M6149R
Chromium	ND	92	3.78	96	5	N2M6149R
Cobalt	ND	90	.216	79	0	N2M6149R
Copper	.313	87	7.53	76	1	N2M6149R
Iron	ND	90	2180	95	5	N2M6149R
Lead	ND	89	55.8	119	1	N2M6149R
Magnesium	ND	88	126	85	1	N2M6149R
Manganese	.060	93	9.80	99	1	N2M6149R
Mercury	ND	107	.092	133	24	N2G6151
Nickel	ND	88	.939	78	1	N2M6149R
Potassium	ND	85	106	86	4	N2M6149R
Selenium	ND	102	ND	55	14	N2R6150
Silver	ND	81	ND	70	5	N2M6149R
Sodium	ND	86	10.5	76	1	N2M6149R
Thallium	ND	111	ND	96	9	N2R6150
Vanadium	ND	92	3.26	84	1	N2M6149R
Zinc	.393	89	56.1	236	39	N2M6149R

Variable results confirmed by replicate analysis.

QUALITY ASSURANCE DATA

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	106	ND	78	9	N2P50425
Alpha-BHC	ND	106	ND	70	6	N2P50425
Beta-BHC	ND	107	ND	82	9	N2P50425
Chlordane	ND	102	ND	89	7	N2P50425
4,4'-DDD	ND	118	ND	70	8	N2P50425
4,4'-DDE	ND	106	ND	85	4	N2P50425
4,4'-DDT	.002	110	ND	352	6	N2P50425
Delta-BHC	ND	90	ND	52	7	N2P50425
Dieldrin	ND	112	ND	80	2	N2P50425
Endosulfan sulfate	ND	106	ND	90	4	N2P50425
Endosulfan I	ND	118	ND	80	6	N2P50425
Endosulfan II	ND	106	ND	135	5	N2P50425
Endrin	ND	118	ND	70	7	N2P50425
Endrin aldehyde	ND	94	ND	144	5	N2P50425
Endrin ketone	ND	106	ND	226	13	N2P50425
Gamma-BHC	ND	100	ND	75	9	N2P50425
Heptachlor	ND	100	ND	81	7	N2P50425
Heptachlor epoxide	ND	107	ND	78	5	N2P50425
Methoxychlor	ND	119	ND	237	17	N2P50425

Out of control matrix spike recoveries are due to the presence of PCB's in the sample matrix.

QUALITY ASSURANCE DATA

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	69	-	-	5	N2P50425A
Alpha-BHC	ND	71	-	-	8	N2P50425A
Beta-BHC	ND	67	-	-	2	N2P50425A
Chlordane	ND	67	-	-	200	N2P50425A
4,4'-DDD	ND	71	-	-	32	N2P50425A
4,4'-DDE	ND	71	-	-	3	N2P50425A
4,4'-DDT	ND	67	-	-	29	N2P50425A
Delta-BHC	ND	60	-	-	11	N2P50425A
Dieldrin	ND	65	-	-	3	N2P50425A
Endosulfan sulfate	ND	65	-	-	16	N2P50425A
Endosulfan I	ND	71	-	-	10	N2P50425A
Endosulfan II	ND	65	-	-	5	N2P50425A
Endrin	ND	71	-	-	14	N2P50425A
Endrin aldehyde	ND	60	-	-	66	N2P50425A
Endrin ketone	ND	65	-	-	107	N2P50425A
Gamma-BHC	ND	61	-	-	6	N2P50425A
Heptachlor	ND	61	-	-	2	N2P50425A
Heptachlor epoxide	ND	65	-	-	2	N2P50425A
Methoxychlor	ND	69	-	-	1	N2P50425A

Chlordane: Because the analyte was present in the unspiked sample at a high level, the spiked sample does not provide valid spike recovery data.

QUALITY ASSURANCE DATA

TARGET COMPOUND LIST BASE/NEUTRAL/ACID ANALYSIS, MS, (MS22)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	71	ND	68	17	N2C50353
2-Chlorophenol	ND	64	ND	55	23	N2C50353
1,4-Dichlorobenzene	ND	65	ND	51	33	N2C50353
2,4-Dinitrotoluene	ND	76	ND	58	11	N2C50353
4-Nitrophenol	ND	80	ND	90	5	N2C50353
Pentachlorophenol	ND	96	ND	134	3	N2C50353
Phenol	ND	64	ND	55	18	N2C50353
Pyrene	ND	76	ND	88	24	N2C50353
1,2,4-Trichlorobenzene	ND	71	ND	58	33	N2C50353
4-Chloro-3-methylphenol	ND	68	ND	66	11	N2C50353
N-Nitroso-di-n-propylamine	ND	65	ND	58	27	N2C50353

3-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

TARGET COMPOUND LIST VOLATILE ANALYSIS, MS, (MV20)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	100	ND	102	2	N2V4300
Chlorobenzene	ND	98	ND	98	1	N2V4300
1,1-Dichloroethylene	ND	106	ND	105	7	N2V4300
Toluene	ND	96	ND	105	7	N2V4300
Trichloroethylene	ND	106	ND	109	3	N2V4300

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	72	ND	40	0	N7H50374
2,4,5-TP (Silvex)	ND	85	ND	47	3	N7H50374

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Chlordane	ND	90	ND	96	13	N7P50418
Endrin	ND	88	ND	96	8	N7P50418
Heptachlor	ND	83	ND	83	1	N7P50418
Heptachlor epoxide	ND	85	ND	85	19	N7P50418
Lindane	ND	54	ND	57	4	N7P50418
Methoxychlor	ND	79	ND	83	6	N7P50418

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	90	ND	93	1	N7M6142
Barium	ND	90	.517	86	1	N7M6142
Cadmium	ND	92	.004	91	1	N7M6142
Chromium	ND	89	ND	87	0	N7M6142
Lead	ND	93	.033	92	1	N7M6142
Mercury	ND	103	ND	99	5	N7G6148
Selenium	ND	83	ND	87	1	N7M6142
Silver	ND	95	ND	91	1	N7M6142

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-Dinitrotoluene	ND	75	ND	108	1	N7C50371
Hexachlorobenzene	ND	100	ND	88	25	N7C50371
Hexachloroethane	ND	22	ND	22	7	N7C50371
Hexachlorobutadiene	ND	25	ND	20	4	N7C50371
2-Methylphenol	ND	39	ND	64	7	N7C50371
4-Methylphenol	ND	43	ND	68	7	N7C50371
Nitrobenzene	ND	52	ND	78	8	N7C50371
Pentachlorophenol	ND	124	ND	163	4	N7C50371
Pyridine	ND	39	ND	66	7	N7C50371
2,4,5-Trichlorophenol	ND	62	ND	100	8	N7C50371
2,4,6-Trichlorophenol	ND	64	ND	94	8	N7C50371

1-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	100	ND	96	0	N7V4286
Carbon tetrachloride	ND	100	ND	96	0	N7V4286
Chlorobenzene	ND	96	ND	91	4	N7V4286
Chloroform	ND	92	ND	100	4	N7V4286
1,4-Dichlorobenzene	ND	92	ND	88	0	N7V4286
1,2-Dichloroethane	ND	96	ND	100	0	N7V4286
1,1-Dichloroethylene	ND	100	ND	104	4	N7V4286
Methyl ethyl ketone	ND	86	ND	84	7	N7V4286
Tetrachloroethylene	ND	88	ND	88	0	N7V4286
Trichloroethylene	ND	100	ND	100	0	N7V4286
Vinyl chloride	ND	92	ND	96	0	N7V4286

**QUALITY ASSURANCE DATA
SURROGATE SUMMARY REPORT**

SURROGATE ID	A159	F107	A121	F110	A158	F120	# OUT
QC BATCH: N2C50353 Solid (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	68	69	91	76	78	78	0
BLANK SPIKE	67	62	84	70	72	83	0
CLJAOC1001	70	72	95	77	81	89	0
CLJAOC1001 MD	69	63	91	72	72	102	0
CLJAOC1001 MS	59	55	90	64	65	97	0
CLJAOC2001	66	71	102	73	79	92	0
CLJAOC3001	66	71	91	78	85	114	0
CLJAOC4001	73	75	102	80	87	116	0
QC LIMITS	(25-121) (24-113) (19-122) (23-120) (30-115) (18-137)						
QC BATCH: N7C50371 Leachate (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	63	54	77	73	66	37	0
BLANK SPIKE	48	42	95	57	60	54	0
CLJAOC1001	69	64	87	77	76	88	0
CLJAOC1001 MD	79	73	107	87	87	100	0
CLJAOC1001 MS	63	62	107	75	77	95	0
CLJAOC2001	69	58	96	83	87	86	0
CLJAOC3001	67	59	102	83	87	92	0
CLJAOC4001	71	62	104	87	87	92	0
CLJAOC4001 MS	75	65	111	85	90	94	0
QC LIMITS	(21-110) (10-110) (10-123) (35-114) (43-116) (33-141)						
SURROGATE ID							
F047	# OUT						
QC BATCH: N7H50374 Leachate (Herbicide compounds by GC)							
SAMPLE ID							
BLANK	85	0					
BLANK SPIKE	87	0					
CLJAOC1001	84	0					
CLJAOC1001 MD	84	0					
CLJAOC1001 MS	90	0					
CLJAOC2001	63	0					
CLJAOC3001	82	0					
CLJAOC4001	76	0					
CLJAOC4001 MS	71	0					
QC LIMITS	(10-150)						
SURROGATE ID							
A047 = 1,2-Dichloroethane-D4				A500 = Decachlorobiphenyl			
B185 = Toluene-D8				F047 = 2,4-Dichlorophenylacetic-acid			
B668 = Bromofluorobenzene							
A159 = 2-Fluorophenol							
F107 = Phenol-d5							
A121 = 2,4,6-Tribromophenol							
F110 = Nitrobenzene-d5							
A158 = 2-Fluorobiphenyl							
F120 = Terphenyl-d14							
B816 = 2,4,5,6-Tetrachloro-m-xylene							
* Values outside of method quality control limits							
D Sample was diluted, however, some surrogates may be reported if results were observed.							

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Groundwater Laboratory Program (GLP).

**QUALITY ASSURANCE DATA
SURROGATE SUMMARY REPORT**

SURROGATE ID	B816	A500	# OUT
QC BATCH: N2P50425 Solid (Pesticide compounds by GC)			
SAMPLE ID			
BLANK	80	79	0
BLANK SPIKE	95	100	0
CLJAOC1001	81	76	0
CLJAOC1001 MD	85	75	0
CLJAOC1001 MS	78	75	0
CLJAOC3001	73	77	0
CLJAOC4001	80	76	0
QC LIMITS	(60-150)	(60-150)	

SURROGATE ID	B816	A500	# OUT
QC BATCH: N2P50425A Solid (Pesticide compounds by GC)			
SAMPLE ID			
BLANK	81	87	0
BLANK SPIKE	58 *	63	1
CLJAOC2001	69	78	0
CLJAOC2001 MD	69	85	0
CLJAOC2001 MS	68	78	0
QC LIMITS	(60-150)	(60-150)	

SURROGATE ID	B816	A500	# OUT
QC BATCH: N7P50360 Leachate (Pesticide compounds by GC)			
SAMPLE ID			
BLANK	93	88	0
BLANK SPIKE	120	104	0
CLJAOC1001	116	120	0
CLJAOC1001 MD	129	118	0
CLJAOC1001 MS	98	103	0
CLJAOC3001	98	105	0
CLJAOC3001	108	113	0
CLJAOC4001	113	121	0
CLJAOC4001 MS	122	124	0
QC LIMITS	(60-150)	(60-150)	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F047 = 2,4-Dichlorophenylacetic-acid
B668 = Bromofluorobenzene	
A159 = 2-Fluorophenol	
F107 = Phenol-d5	
A121 = 2,4,6-Tribromophenol	
F110 = Nitrobenzene-d5	
A158 = 2-Fluorobiphenyl	
F120 = Terphenyl-d14	
B616 = 2,4,5,6-Tetrachloro-m-xylene	
* Values outside of method quality control limits	
D Sample was diluted, however, some surrogates may be reported if results were observed.	

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

**QUALITY ASSURANCE DATA
SURROGATE SUMMARY REPORT**

SURROGATE ID	B816	A500	#	OUT
QC BATCH: N7P50418 Leachate (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	88	79	0	
BLANK SPIKE	98	62	0	
CLJAOC1001	93	85	0	
CLJAOC2001	98	88	0	
CLJAOC3001	98	89	0	
CLJAOC3001 MD	96	85	0	
CLJAOC3001 MS	101	91	0	
CLJAOC4001	101	86	0	
CLJAOC4001 MS	102	88	0	
QC LIMITS	(60-150)	(60-150)		

SURROGATE ID	A047	B185	B668	#	OUT
QC BATCH: N2V4300 Solid (Volatile organics by MS)					
SAMPLE ID					
BLANK	96	98	101	0	
BLANK SPIKE	99	92	97	0	
CLJAOC1001	96	101	92	0	
CLJAOC1001 MD	92	90	84	0	
CLJAOC1001 MS	99	103	94	0	
CLJAOC2001	90	105	88	0	
CLJAOC3001	93	100	86	0	
CLJAOC4001	98	97	91	0	
QC LIMITS	(70-121)	(84-138)	(59-113)		

QC BATCH: N7V4286 Leachate (Volatile organics by MS)					
SAMPLE ID					
16232D01 MD	110	87 *	97	1	
16232D01 MS	108	90	92	0	
BLANK	103	88	97	0	
BLANK SPIKE	104	92	98	0	
CLJAOC1001	102	84 *	91	1	
CLJAOC2001	108	91	103	0	
CLJAOC3001	108	85 *	96	1	
CLJAOC4001	105	93	99	0	
QC LIMITS	(76-114)	(88-110)	(86-115)		

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F047 = 2,4-Dichlorophenylacetic-acid
B668 = Bromofluorobenzene	
A159 = 2-Fluorophenol	
F107 = Phenol-d5	
A121 = 2,4,6-Tribromophenol	
F110 = Nitrobenzene-d5	
A158 = 2-Fluorobiphenyl	
F120 = Terphenyl-d14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits

D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

APPENDIX D

CHAIN-OF-CUSTODY RECORD(S)



OHM Corporation

CHAIN-OF-CUSTODY RECORD

3 COPY

Form 0019
Field Technical Services
Rev. 08/89

144124

O H MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME		PROJECT LOCATION		NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	REMARKS												
Camp Lejeune		JACKSONVILLE, NC																
PROJ NO	PROJECT CONTACT	PROJECT TELEPHONE NO																
106866	GREG DRAKE	910 451 1809																
CLIENT'S REPRESENTATIVE			PROJECT MANAGER/SUPERVISOR															
John Cotton			Jim Dunn / Randy Smith															
ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)												
1	CLJ011-ACC1-001	3/8/95	1400	X		Soil from ACC-1 6 Grabs Samples Andone comp.	3-320g											amber glassy
2	CLJ011-ACC2-001	3/8/95	1400	X		Soil from ACC-2 6 Grabs Samples Andone comp.	3-320g											
3	CLJ011-ACC3-001	3/8/95	1400	X		Soil from ACC-3 6 Grabs Samples Andone comp.	3-320g											
4	CLJ011-ACC4-001	3/8/95	1400	X		Soil from ACC-4 6 Grabs Samples Andone comp.	3-320g											
5																		
6																		
7																		
8																		
9																		
10																		

* SEE ATTACHED MENU *

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1 & 4	Greg Drake	FED-EX			14 DAY TAT
2	1-4	FED EX 5927356385	Donita Jensen	3-9-95	09:48	PLEASE FAX RESULTS 910 451 1809 temp 70 mg
3						
4						

SAMPLER'S SIGNATURE 01111 8793

Appendix I.2

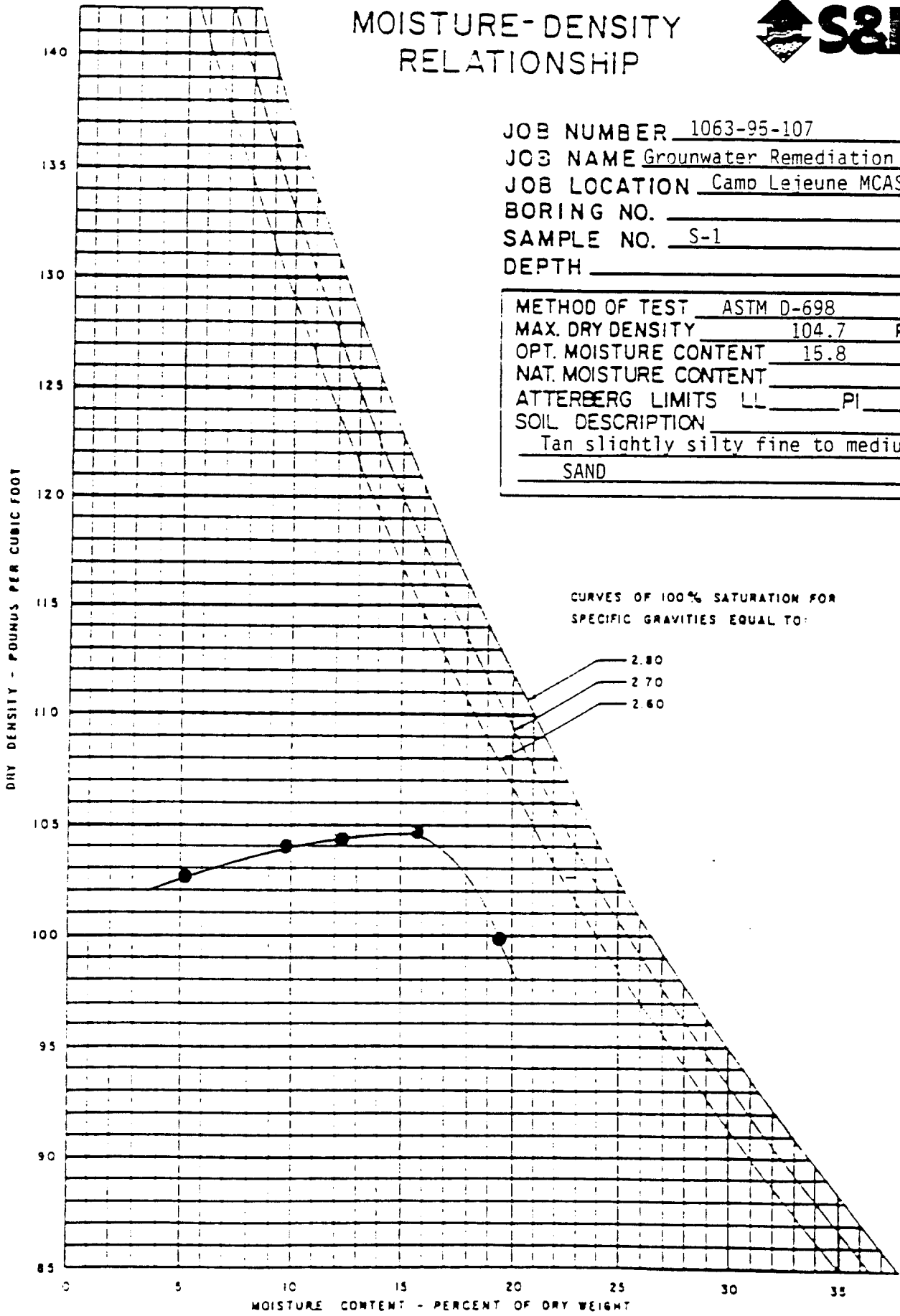
Borrow Pit Data

MOISTURE-DENSITY RELATIONSHIP



JOB NUMBER 1063-95-107
 JOB NAME Groundwater Remediation Building
 JOB LOCATION Camp Lejeune MCAS
 BORING NO. _____
 SAMPLE NO. S-1
 DEPTH _____

METHOD OF TEST ASTM D-698
 MAX. DRY DENSITY 104.7 PCF
 OPT. MOISTURE CONTENT 15.8 %
 NAT. MOISTURE CONTENT _____ %
 ATTERBERG LIMITS LL _____ PI _____
 SOIL DESCRIPTION _____
Tan slightly silty fine to medium
SAND



CURVES OF 100% SATURATION FOR SPECIFIC GRAVITIES EQUAL TO:

- 2.80
- 2.70
- 2.60

Grain Size Analysis
Groundwater Remediation Building, Lot No. 203
Camp Lejeune Marine Corps Base
Jacksonville, North Carolina
Job No. 1063-95-107

<u>Sieve Size</u>	<u>Percent Passing, By Weight</u>
#4	100.0
#10	100.0
#40	98.9
#80	48.1
#200	9.2
Percent Moisture:	3.8
Soil Description:	Tan fine SAND, a little silt

CLOSURE REPORT SUMMARY:

The 1000 gal. underground storage tank (UST) #1854-4 used for the storage of waste oil was installed in 1983 and was removed on 08 Aug. 1994. The steel tank was found to be in good condition with no visible holes or cracks. There was no odor or visible soil stains at the site. The service lines proved to be less than 20 feet in length therefore the soil along this area was included in the excavation and was tested as stockpiled soil. P & W Oil pumped the waste product from tanks 1,4,5, & 6 located at building 1854 at one time (one right after the other) without recording the quantity from each individule tank, therefore the residual product quantity for this report is the sum total product pumped from the tanks listed above. The soil samples were analyzed using methods 9071 and TCLP without first checking to see if any compounds were detected by method 8021, this was determined to be acceptable by the state as per phone conversation with Debbie Mahew of the regional EPA office, and Lisa Tabor of the Raliegh EPA office on 26 May 1995.

SOIL SAMPLE SUMMARY:

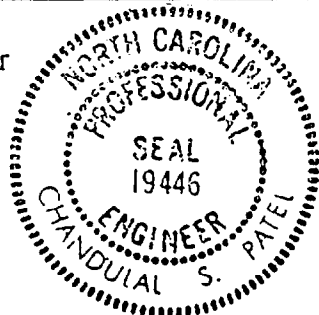
LAB ID. #	LOCAL ID. #	DATE OF SAMPLE	TEST METHOD	RESULTS
BR11074	1854-4-S1	08/08/94	9071..... TCLP.....	.01% (100 ppm) BDL.*
BR11075	1854-4-S2	08/08/94	9071..... TCLP.....	.01% (100 ppm) BDL.*

*Conversion Factor - multiply percentage by 10,000 to obtain Part Pre Million (ppm).
BDL = Below Detection Levels.

I certify that this site meets state closure criteria in accordance with 15A NCAC 2N & 2L, WIRO-CWS, Groundwater Guidelines within the scope of this contract. If there are any questions regarding this report please feel free to call us at (910) 455-3564.

Chandulal S. Patel 7/17/95

C.S. Pate
Professional Engineer



CLOSURE REPORT SUMMARY:

The 2000 gal. underground storage tank (UST) #1854-1 used for the storage of waste oil was installed in 1983 and was removed on 08 Aug. 1994. The steel tank was found to be in good condition with no visible holes or cracks. There was no odor or visible soil stains at the site. The service lines proved to be less than 20 feet in length therefore the soil along this area was included in the excavation and was tested as stockpiled soil. P & W Oil pumped the waste product from tanks 1,4,5, & 6 at building 1854 at one time (one right after the other) without recording the quantity from each tank, therefore the residual product for this report is the sum total of all four tanks listed that were in the process of being removed. The soil samples were analyzed using methods 9071 and TCLP without first checking to see if any compounds were detected by method 8021, this was determined to be acceptable by the state as per phone conversation with Debbie Mahew of the regional EPA office, and Lisa Tabor of the Raliegh EPA office on 26 May 1995.

SOIL SAMPLE SUMMARY:

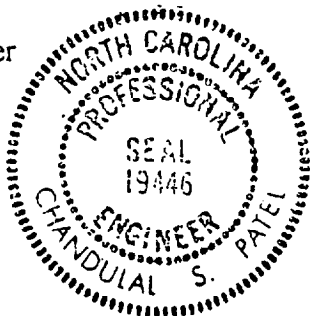
LAB ID. #	LOCAL ID. #	DATE OF SAMPLE	TEST METHOD	RESULTS
BR11072	1854-1-S1	08/08/94	9071.... TCLP....	.010% (100 ppm)* BDL**
BR11073	1854-1-S2	08/08/94	9071.... TCLP....	.02% (200 ppm)* BDL**
34429***	1854-C-1	11/29/94	TPH....	5.08 ppm

*Conversion Factor - multiply percentage by 10,000 to obtain Part Pre Million (ppm).
 **BDL = Below Detection Levels.
 ***Composite sample taken from stockpiled soil.

I certify that this site meets state closure criteria in accordance with 15A NCAC 2N & 2L, WIRO-CWS, Groundwater Guidelines within the scope of this contract. If there are any questions regarding this report please feel free to call us at (910) 455-3564.

Chandulal S. Patel 7/16/95

C.S. Patel
 Professional Engineer



CLOSURE REPORT SUMMARY:

The 550 gal. underground storage tank (UST) # 1860-1 used for the storage of waste oil was installed in 1983 and was removed on 30 June 1994. The steel tank was found to be in good condition with no visible holes or cracks. There were no odor or visible soil stains at the site. The piping associated with this tank proved to be less than 20 feet in length therefore the soil was tested as stockpiled soil as it was excavated. The soil samples were analyzed using methods 9071 and TCLP without first checking to see if any compounds were detected by method 8021, this was determined to be acceptable by the state as per phone conversation with Debbie Mahew of the regional EPA office, and Lisa Tabor of the Raleigh EPA office on 26 May 1995.

SOIL SAMPLE SUMMARY:

LAB ID. #	LOCAL ID. #	DATE OF SAMPLE	TEST METHOD	TEST RESULTS
BR10265	1860-S1	06/30/94	TCLP/9071	TCLP.....BDL* 9071.....200 ppm
BR10266	1860-S2	06/30/94	TCLP/9071	TCLP.....BDL* 9071.....200 ppm

*BDL = Below Detection Levels

I certify that this site meets state closure criteria in accordance with 15A NCAC 2N & 2L, WIRO-CWS, Groundwater Guidelines within the scope of the contract. If there are any questions regarding this report please feel free to call us at (910) 455-3564.

Chandulal S. Patel 7/7/95

C.S. Patel
Professional Engineer



CLOSURE REPORT SUMMARY:

The 6000 gal. underground storage tank (UST) #1775-1 used for the storage of diesel was installed in 1977 and was removed on 08/17/94. The tank was found to be in good condition with no visible holes or cracks. There was a slight odor but no visible soil stains at the site. The tank and residual product was transported off the site by:

P & W Oil

located at 10158 Royster Rd. NE.

Leland N.C. 28541.

They can be reached at 1-800-231-4825.

P & W oil emptied the residual product out of all tanks at building 1775 at one time (one after the other) without recording the quantity of each individual tank therefore the quantity of waste product for this report is the sum total of all five tanks at building 1775 that were removed.

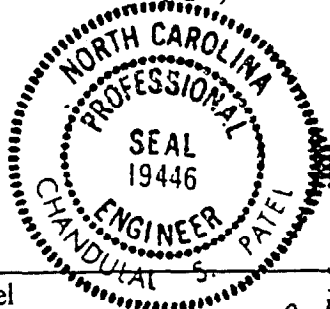
LABORATORY SOIL SAMPLE SUMMARY:

LAB ID. #	LOCAL ID. #	DATE OF SAMPLE	TEST METHOD	TEST RESULTS
BR11189	1775-T1-S1	08/17/94	5030 3550	less than 10 ppm
BR11190	1775-T1-S2	08/17/94	5030 3550	less than 10 ppm
*30871	1775-1-S3	09/23/94	3550	**BDL

* 30871 was a composite sample taken of the stock piled soil at bldg. 1775.

**Below Detection Limit.

I certify that this site meets state closure criteria in accordance with 15A NCAC 2N & 2L, WIRO-CWS, Groundwater Guidelines. If there are any questions regarding this report please feel free to call us at (910) 455-3564.



C.S. Patel
Professional Engineer

Chandulal S. Patel 7/15/95

CLOSURE REPORT SUMMARY:

The 1000 gal. underground storage tank (UST) #1775-4 used for the storage of waste oil was installed in 1977 and was removed on 11 July 1994. The tank was found to be in good condition with no visible holes or cracks. The tank and the residual product from the tank was transported off the site by P & W Oil located at 10158 Royster Rd. Leland, N.C. P & W Oil emptied all of the tanks at building 1775 at the same time (one right after the other) without recording the quantity pumped from each tank. The amount of waste product for this site is the sum total of product pumped from all five tanks at building 1775 that were to be removed. There was no odor or visible soil stains at the site.

The tank was initially misrepresented as tank 1775-2 on the Chain of Custody form which led to the same mistake on the laboratory results. Throughout this closure report it shall be properly addressed as tank 1775-4. The soil samples were analyzed using methods 9071 and TCLP without first checking to see if any compounds were detected by method 8021, this was determined to be acceptable by the state as per phone conversation with Debbie Mahew of the regional EPA office, and Lisa Tabor of the Raliegh EPA office on 26 May 1995.

SOIL SAMPLE SUMMARY:

LAB ID. #	LOCAL ID. #	DATE OF SAMPLE	TEST METHOD	TEST RESULTS
BR10489	1775-4-S3	07/11/94	9071/TCLP	9071-.003% (30ppm)* TCLP- 2.25 ppm of Barium*
BR10490	1775-4-S4	07/11/94	9071/TCLP	9071-.001% (10ppm)*

*Conversion Factor - multiply percentage by 10,000 to obtain Part per million (ppm).

*Levels for Barium are not to exceed 100 mg/l.

I certify that this site meets state closure criteria in accordance with 15A NCAC 2N & 2L, WIRO-CWS, Groundwater Guidelines with in the scope of this contract. If there are any questions regarding this report please feel free to call us at (910) 455-3564.

Chandulal S. Patel 7/15/95

C.S. Patel
Professional Engineer



CLOSURE REPORT SUMMARY:

The 1000 gal. underground storage tank (UST) #1775-5 used for the storage of waste oil was installed in 1977 and was removed on 11 July 1994. The steel tank was found to be in good condition with no visible holes or cracks. The tank and the waste product pumped from the tank was transported off the site by P & W Oil located 10158 Royster Rd. Leland N.C. 28541. The tanks to be removed from building 1775 were all pumped at the same time and the individual quantity from each tank was not recorded, therefore the residual product for this site is the sum total of product pumped from all five tanks at building 1775. There was no odor or visible soil stains at the site.

This tank was initially misrepresented as tank 1775-3 on the Chain of Custody form which led to the same mistake on the Laboratory test results reports, but shall be properly referred to as 1775-5 in this closure report. The soil samples were analyzed using methods 9071 and TCLP without first checking to see if any compounds were detected by method 8021, this was determined to be acceptable by the state as per phone conversation with Debbie Mahew of the regional EPA office, and Lisa Tabor of the Raleigh EPA office on 26 May 1995.

SOIL SAMPLE SUMMARY:

LAB ID. #	LOCAL ID. #	DATE OF SAMPLE	TEST METHOD	TEST RESULTS
BR10491	1775-5-S5	07/11/94	9071 TCLP	<100 ppm BDL**
BR10492	1775-5-S6	07/11/94	9071 TCLP	<100 ppm BDL**

**Below Detection Limits

I certify that this site meets state closure criteria in accordance with 15A NCAC 2N & 2L, WIRO-CWS, Groundwater Guidelines within the scope of this contract. If there are any questions regarding this report please feel free to call us at (910) 455-3564.

Chandulal S. Patel 7/15/95

C.S. Patel
Professional Engineer



Appendix I.3
Pre-Excavation Screening Data

Table 6.1
 PESTICIDE/PCB RESULTS JOB#16866
 Field Screening
 AOC 1

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A1S-001	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	5.5
CLJ62-A1S-002	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	<0.3
CLJ62-A1S-003	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	33.5
CLJ62-A1S-004	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	0.5
CLJ62-A1S-005	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	2.4
CLJ62-A1S-006	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	<0.3
CLJ62-A1S-007	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	0.5
CLJ62-A1S-008	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	0.4
CLJ62-A1S-009	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	5.5
CLJ62-A1S-010	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	0.4
CLJ62-A1S-010D	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	<0.3
CLJ62-A1S-011	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	0.4
CLJ62-A1S-012	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	2.1
CLJ62-A1S-013	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	1.3
CLJ62-A1S-014	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	13.5
CLJ62-A1S-015	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	14.5
CLJ62-A1S-016	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	2.0
CLJ62-A1S-017	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	14.4
CLJ62-A1S-018	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	3.7
CLJ62-A1S-019	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	15.3
CLJ62-A1S-020	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	9.5
CLJ62-A1S-020D	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	11.7
CLJ62-A1S-021	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	10.9
CLJ62-A1S-022	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	5.1
CLJ62-A1S-023	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	20.0
CLJ62-A1S-024	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	10.3
CLJ62-A1S-025	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	9.9
CLJ62-A1S-026	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	2.2
CLJ62-A1S-027	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	4.5
CLJ62-A1S-028	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	18.4
CLJ62-A1S-029	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	10.4

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4.4'-DDT ug/Kg	4.4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A1S-030	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	1.1
CLJ62-A1S-030D	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	1.5
CLJ62-A1S-031	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	4.8
CLJ62-A1S-032	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	13.2
CLJ62-A1S-033	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	4.4
CLJ62-A1S-034	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	1.6
CLJ62-A1S-035	AOC 1, PCB	5/2/95	PCB'S	NA	NA	NA	17.4
CLJ62-A1S-036	AOC 1, PCB	5/3/95	PCB'S	NA	NA	NA	8.2
CLJ62-A1S-036D	AOC 1, PCB	5/3/95	PCB'S	NA	NA	NA	11.7
CLJ62-A1S-014-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-016-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	1.9
CLJ62-A1S-017-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	0.6
CLJ62-A1S-019-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	2.6
CLJ62-A1S-022-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-024-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	5.1
CLJ62-A1S-025-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	1.5
CLJ62-A1S-027-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	4.4
CLJ62-A1S-033-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-035-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-037-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-038-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-039-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-040-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-041-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	4.2
CLJ62-A1S-042-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	1.2
CLJ62-A1S-043-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	3.9
CLJ62-A1S-044-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	2.6
CLJ62-A1S-045-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	1.9
CLJ62-A1S-046-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	1.0
CLJ62-A1S-047-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	7.1
CLJ62-A1S-048-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	2.2
CLJ62-A1S-049-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	1.2
CLJ62-A1S-050-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	3.3
CLJ62-A1S-051-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	7.4
CLJ62-A1S-052-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	2.6

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4.4'-DDT ug/Kg	4.4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A1S-053-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	2.7
CLJ62-A1S-054-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	4.9
CLJ62-A1S-055-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	6.4
CLJ62-A1S-056-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	3.2
CLJ62-A1S-057-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	0.5
CLJ62-A1S-058-1	AOC 1, PCB, 1'	5/15/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-059-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	5.6
CLJ62-A1S-060-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	5.1
CLJ62-A1S-061-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	9.0
CLJ62-A1S-062-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	8.2
CLJ62-A1S-063-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	2.6
CLJ62-A1S-064-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-065-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	4.1
CLJ62-A1S-066-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	3.3
CLJ62-A1S-067-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	1.3
CLJ62-A1S-068-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-069-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	1.6
CLJ62-A1S-070-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	5.8
CLJ62-A1S-071-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	5.8
CLJ62-A1S-072-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-073-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-074-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-075-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-076-1	AOC 1, PCB, 1'	5/18/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-076-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-077-1	AOC 1, PCB, 1'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-077-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-078-1	AOC 1, PCB, 1'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-003-1	AOC 1, PCB, 1'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-003-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-059-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-060-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	4.9
CLJ62-A1S-061-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-062-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	8.3
CLJ62-A1S-065-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	<0.7

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A1S-066-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-070-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	5.8
CLJ62-A1S-071-2	AOC 1, PCB, 2'	5/19/95	PCB's	NA	NA	NA	2.0
CLJ62-A1S-079-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-080-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-081-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	2.0
CLJ62-A1S-082-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	0.3
CLJ62-A1S-083-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-084-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-085-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	1.5
CLJ62-A1S-086-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	0.8
CLJ62-A1S-087-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	4.8
CLJ62-A1S-088-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	5.2
CLJ62-A1S-089-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	1.1
CLJ62-A1S-090-1	AOC 1, PCB, 1'	5/23/95	PCB's	NA	NA	NA	3.3
CLJ62-A1S-025-3	AOC 1, PCB, 3'	5/23/95	PCB's	NA	NA	NA	2.8
CLJ62-A1S-061-3	AOC 1, PCB, 3'	5/23/95	PCB's	NA	NA	NA	<0.7
CLJ62-A1S-047-3	AOC 1, PCB, 3'	5/23/95	PCB's	NA	NA	NA	1.5
CLJ62-A1S-062-3	AOC 1, PCB, 3'	5/23/95	PCB's	NA	NA	NA	<0.7

Clean-up Criteria

Soil

8400

12000

2200

0.37

ND = not detected

NA = not analyzed

Table 6.1
 PESTICIDE/PCB RESULTS JOB#16866
 Field Screening
 AOC 2

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A2S-001	AOC 2, Pest	5/1/95	Pesticides	494	ND	752	NA
CLJ62-A2S-002	AOC 2, Pest	5/1/95	Pesticides	406	129	728	NA
CLJ62-A2S-003	AOC 2, Pest	5/1/95	Pesticides	<1000	11250	394	ND
CLJ62-A2S-003D	AOC 2, Pest	5/1/95	Pesticides	7190	15030	510	ND
CLJ62-A2S-004	AOC 2, Pest	5/1/95	Pesticides	5550	9510	758	ND
CLJ62-A2S-005	AOC 2, Pest	5/1/95	Pesticides	1065	645	468	ND
CLJ62-A2S-006	AOC 2, Pest	5/1/95	Pesticides	2213	591	827	ND
CLJ62-A2S-003-1	AOC 2, Pest, 1'	5/10/95	Pesticides	<1000	1136	<2000	NA
CLJ62-A2S-004-1	AOC 2, Pest, 1'	5/10/95	Pesticides	<1000	<1000	<2000	NA

Clean-up Criteria *Soil* 8400 12000 2200 0.37

ND = not detected
 NA = not analyzed

Table 6.1
 PESTICIDE/PCB RESULTS JOB#16866
 Field Screening
 AOC 3

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A3S-001	AOC 3, Pest	5/4/95	Pesticides	< 1000	< 1000	< 2000	ND
CLJ62-A3S-002	AOC 3, Pest	5/4/95	Pesticides	27060	12760	16647	ND
CLJ62-A3S-003	AOC 3, Pest	5/4/95	Pesticides	14400	7680	< 2000	ND
CLJ62-A3S-004	AOC 3, Pest	5/4/95	Pesticides	16333	2306	2388	ND
CLJ62-A3S-005	AOC 3, Pest	5/4/95	Pesticides	> 50000	10093	7860	ND
CLJ62-A3S-006	AOC 3, Pest	5/4/95	Pesticides	12872	19589	22923	ND
CLJ62-A3S-007	AOC 3, Pest	5/4/95	Pesticides	26477	8428	< 2000	ND
CLJ62-A3S-008	AOC 3, Pest	5/4/95	Pesticides	> 50000	10093	< 2000	ND
CLJ62-A3S-009	AOC 3, Pest	5/4/95	Pesticides	> 50000	> 50000	6079	ND
CLJ62-A3S-010	AOC 3, Pest	5/4/95	Pesticides	1527	2264	2155	ND
CLJ62-A3S-010D	AOC 3, Pest	5/4/95	Pesticides	690	596	1961	ND
CLJ62-A3S-011	AOC 3, Pest	5/4/95	Pesticides	21750	1639	< 2000	ND
CLJ62-A3S-012	AOC 3, Pest	5/4/95	Pesticides	7500	3318	8364	ND
CLJ62-A3S-013	AOC 3, Pest	5/4/95	Pesticides	28444	3556	3704	ND
CLJ62-A3S-014	AOC 3, Pest	5/4/95	Pesticides	8751	3314	9559	ND
CLJ62-A3S-015	AOC 3, Pest	5/4/95	Pesticides	2738	26548	< 2000	ND
CLJ62-A3S-016	AOC 3, Pest	5/4/95	Pesticides	> 50000	17224	< 2000	ND
CLJ62-A3S-017	AOC 3, Pest	5/4/95	Pesticides	> 50000	> 50000	< 2000	ND
CLJ62-A3S-018	AOC 3, Pest	5/4/95	Pesticides	> 50000	18705	5088	ND
CLJ62-A3S-019	AOC 3, Pest	5/4/95	Pesticides	36029	5543	5514	ND
CLJ62-A3S-020	AOC 3, Pest	5/4/95	Pesticides	47417	8500	< 2000	ND
CLJ62-A3S-020D	AOC 3, Pest	5/4/95	Pesticides	17236	5009	< 2000	ND
CLJ62-A3S-021	AOC 3, Pest	5/4/95	Pesticides	2560	1226	< 2000	ND
CLJ62-A3S-022	AOC 3, Pest	5/4/95	Pesticides	5915	4127	< 2000	ND
CLJ62-A3S-023	AOC 3, Pest	5/4/95	Pesticides	5726	4615	< 2000	ND
CLJ62-A3S-024	AOC 3, Pest	5/4/95	Pesticides	4139	> 50000	4639	ND
CLJ62-A3S-025	AOC 3, Pest	5/4/95	Pesticides	7667	30815	< 2000	ND
CLJ62-A3S-026	AOC 3, Pest	5/4/95	Pesticides	> 50000	9490	< 2000	ND
CLJ62-A3S-027	AOC 3, Pest	5/4/95	Pesticides	> 50000	> 50000	6891	ND
CLJ62-A3S-028	AOC 3, Pest	5/4/95	Pesticides	13096	21173	13197	ND
CLJ62-A3S-029	AOC 3, Pest	5/4/95	Pesticides	22882	4664	3482	ND

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A3S-030	AOC 3, Pest	5/4/95	Pesticides	8213	5973	10364	ND
CLJ62-A3S-030D	AOC 3, Pest	5/4/95	Pesticides	3914	3429	7300	ND
CLJ62-A3S-031	AOC 3, Pest	5/4/95	Pesticides	1563	1354	3681	ND
CLJ62-A3S-032	AOC 3, Pest	5/4/95	Pesticides	756	24000	<2000	ND
CLJ62-A3S-033	AOC 3, Pest	5/4/95	Pesticides	3962	21731	<2000	ND
CLJ62-A3S-034	AOC 3, Pest	5/4/95	Pesticides	2112	1670	<2000	ND
CLJ62-A3S-035	AOC 3, Pest	5/5/95	Pesticides	7748	>50000	<2000	ND
CLJ62-A3S-036	AOC 3, Pest	5/5/95	Pesticides	32150	>50000	<2000	ND
CLJ62-A3S-037	AOC 3, Pest	5/5/95	Pesticides	21297	>50000	25325	ND
CLJ62-A3S-038	AOC 3, Pest	5/5/95	Pesticides	1479	9600	<2000	ND
CLJ62-A3S-039	AOC 3, Pest	5/5/95	Pesticides	1657	2803	<2000	ND
CLJ62-A3S-040	AOC 3, Pest	5/5/95	Pesticides	1579	>50000	2000	ND
CLJ62-A3S-040D	AOC 3, Pest	5/5/95	Pesticides	2294	>50000	3088	ND
CLJ62-A3S-041	AOC 3, Pest	5/5/95	Pesticides	1908	>50000	6077	ND
CLJ62-A3S-042	AOC 3, Pest	5/5/95	Pesticides	1314	3065	<2000	ND
CLJ62-A3S-043	AOC 3, Pest	5/5/95	Pesticides	>50000	4296	5444	ND
CLJ62-A3S-044	AOC 3, Pest	5/5/95	Pesticides	20352	>50000	4031	ND
CLJ62-A3S-045	AOC 3, Pest	5/5/95	Pesticides	7944	>50000	>50000	ND
CLJ62-A3S-046	AOC 3, Pest	5/5/95	Pesticides	3925	>50000	11962	ND
CLJ62-A3S-047	AOC 3, Pest	5/5/95	Pesticides	1347	3698	<2000	ND
CLJ62-A3S-048	AOC 3, Pest	5/5/95	Pesticides	14444	3333	<2000	ND
CLJ62-A3S-049	AOC 3, Pest	5/5/95	Pesticides	781	7229	<2000	ND
CLJ62-A3S-050	AOC 3, Pest	5/5/95	Pesticides	2346	>50000	<2000	ND
CLJ62-A3S-050D	AOC 3, Pest	5/5/95	Pesticides	<1000	>50000	<2000	ND
CLJ62-A3S-051	AOC 3, Pest	5/5/95	Pesticides	667	28528	<2000	ND
CLJ62-A3S-052	AOC 3, Pest	5/5/95	Pesticides	25425	3075	<2000	ND
CLJ62-A3S-053	AOC 3, Pest	5/5/95	Pesticides	1475	>50000	<2000	ND
CLJ62-A3S-054	AOC 3, Pest	5/5/95	Pesticides	1889	38917	<2000	ND
CLJ62-A3S-055	AOC 3, Pest	5/5/95	Pesticides	<1000	<1000	<2000	ND
CLJ62-A3S-056	AOC 3, Pest	5/5/95	Pesticides	4200	13600	<2000	ND
CLJ62-A3S-057	AOC 3, Pest	5/5/95	Pesticides	5778	8889	<2000	ND
CLJ62-A3S-058	AOC 3, Pest	5/5/95	Pesticides	1892	>50000	<2000	ND
CLJ62-A3S-059	AOC 3, Pest	5/5/95	Pesticides	<1000	>50000	2541	ND
CLJ62-A3S-060	AOC 3, Pest	5/5/95	Pesticides	<1000	>50000	5363	ND
CLJ62-A3S-060D	AOC 3, Pest	5/5/95	Pesticides	<1000	>50000	<2000	ND

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A3S-061	AOC 3, Pest	5/5/95	Pesticides	39796	>50000	11343	ND
CLJ62-A3S-062	AOC 3, Pest	5/5/95	Pesticides	>50000	25059	3529	ND
CLJ62-A3S-063	AOC 3, Pest	5/5/95	Pesticides	>50000	3218	<2000	ND
CLJ62-A3S-063D	AOC 3, Pest	5/5/95	Pesticides	>50000	2016	<2000	ND
CLJ62-A3S-002-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-011-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-012-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-013-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-014-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-015-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-019-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-020-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-024-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-028-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-029-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-032-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-033-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-037-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	8317	<2000	NA
CLJ62-A3S-046-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-048-1	AOC 3, Pest, 1'	5/11/95	Pesticides	1714	<1000	<2000	NA
CLJ62-A3S-050-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-051-1	AOC 3, Pest, 1'	5/11/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-004-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-004-2	AOC 3, Pest, 2'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-006-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-006-2	AOC 3, Pest, 2'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-009-2	AOC 3, Pest, 2'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-009-3	AOC 3, Pest, 3'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-057-2	AOC 3, Pest, 2'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-057-3	AOC 3, Pest, 3'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-036-2	AOC 3, Pest, 2'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-036-3	AOC 3, Pest, 3'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-060-2	AOC 3, Pest, 2'	5/12/95	Pesticides	1455	2269	<2000	NA
CLJ62-A3S-060-3	AOC 3, Pest, 3'	5/12/95	Pesticides	15314	25474	<2000	NA
CLJ62-A3S-063-2	AOC 3, Pest, 2'	5/12/95	Pesticides	<1000	<1000	<2000	NA

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A3S-063-3	AOC 3, Pest, 3'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-064-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-065-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-066-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-067-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	6347	<2000	NA
CLJ62-A3S-068-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	5681	<2000	NA
CLJ62-A3S-069-1	AOC 3, Pest, 1'	5/12/95	Pesticides	1100	<1000	<2000	NA
CLJ62-A3S-070-1	AOC 3, Pest, 1'	5/12/95	Pesticides	2113	>50000	<2000	NA
CLJ62-A3S-071-1	AOC 3, Pest, 1'	5/12/95	Pesticides	1160	5800	<2000	NA
CLJ62-A3S-072-1	AOC 3, Pest, 1'	5/12/95	Pesticides	>50000	34082	<2000	NA
CLJ62-A3S-073-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-074-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-075-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-076-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-077-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-078-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-079-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-080-1	AOC 3, Pest, 1'	5/12/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-081-1	AOC 3, Pest, 1'	5/15/95	Pesticides	<1000	>50000	<2000	NA
CLJ62-A3S-082-1	AOC 3, Pest, 1'	5/15/95	Pesticides	<1000	>50000	<2000	NA
CLJ62-A3S-083-1	AOC 3, Pest, 1'	5/15/95	Pesticides	<1000	>50000	<2000	NA
CLJ62-A3S-060-2	AOC 3, Pest, 2'	5/16/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-060-3	AOC 3, Pest, 3'	5/16/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-070-2	AOC 3, Pest, 2'	5/16/95	Pesticides	2926	21641	<2000	NA
CLJ62-A3S-071-2	AOC 3, Pest, 2'	5/16/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-072-2	AOC 3, Pest, 2'	5/16/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-070-3	AOC 3, Pest, 3'	5/17/95	Pesticides	2253	4567	<2000	NA
CLJ62-A3S-081-2	AOC 3, Pest, 2'	5/17/95	Pesticides	<1000	>50000	<2000	NA
CLJ62-A3S-082-2	AOC 3, Pest, 2'	5/17/95	Pesticides	24988	15230	<2000	NA
CLJ62-A3S-083-2	AOC 3, Pest, 2'	5/17/95	Pesticides	<1000	41148	<2000	NA
CLJ62-A3S-084-1	AOC 3, Pest, 1'	5/17/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-085-1	AOC 3, Pest, 1'	5/17/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-086-1	AOC 3, Pest, 1'	5/17/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-087-1	AOC 3, Pest, 1'	5/17/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-088-1	AOC 3, Pest, 1'	5/17/95	Pesticides	<1000	<1000	<2000	NA

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A3S-089-1	AOC 3, Pest, 1'	5/17/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-081-3	AOC 3, Pest, 3'	5/19/95	Pesticides	1234	11228	<2000	NA
CLJ62-A3S-082-3	AOC 3, Pest, 3'	5/19/95	Pesticides	<1000	<1000	<2000	NA
CLJ62-A3S-083-3	AOC 3, Pest, 3'	5/19/95	Pesticides	>50000	>50000	<2000	NA
CLJ62-A3S-083-5	AOC 3, PST, 5'	5/24/95	Pesticides	<8400	<12000	<2200	NA
CLJ62-A3S-083-4	AOC 3, PST, 4'	5/24/95	Pesticides	<8400	<12000	<2200	NA

Clean-up Criteria

Soil

8400

12000

2200

0.37

ND = not detected

NA = not analyzed

Table 6.1
 PESTICIDE/PCB RESULTS JOB#16866
 Field Screening
 AOC 4

Sample Name	Sample Location	Date Sampled	Pest/PCBs	4,4'-DDT ug/Kg	4,4'-DDD ug/Kg	Chlordane ug/Kg	Aro-1260 mg/Kg
CLJ62-A4S-001	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	<1000	<1000	<2000	<0.3
CLJ62-A4S-002	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	2644	1685	<2000	<0.3
CLJ62-A4S-003	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1151	<1000	<2000	<0.3
CLJ62-A4S-004	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	<1000	<1000	<2000	<0.3
CLJ62-A4S-005	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	<1000	<1000	<2000	<0.3
CLJ62-A4S-006	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1153	<1000	<2000	<0.3
CLJ62-A4S-007	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	2024	<1000	<2000	<0.3
CLJ62-A4S-008	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	<1000	<1000	<2000	<0.3
CLJ62-A4S-009	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	34313	3125	<2000	<0.3
CLJ62-A4S-010	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1177	1109	<2000	<0.3
CLJ62-A4S-010D	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1540	<1000	<2000	<0.3
CLJ62-A4S-011	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	<1000	<1000	<2000	<0.3
CLJ62-A4S-012	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	2611	<1000	<2000	<0.3
CLJ62-A4S-013	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1120	<1000	<2000	<0.3
CLJ62-A4S-014	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	<1000	<1000	<2000	<0.3
CLJ62-A4S-015	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1287	<1000	<2000	<0.3
CLJ62-A4S-016	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	1937	<1000	<2000	<0.3
CLJ62-A4S-017	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	6117	<1000	<2000	<0.3
CLJ62-A4S-018	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	2077	<1000	<2000	<0.3
CLJ62-A4S-018D	AOC 4, PCB/Pest	5/3/95	PCB'S/Pest	2265	<1000	<2000	<0.3

Clean-up Criteria *Soil* 8400 12000 2200 0.37

ND = not detected
 NA = not analyzed

Appendix I.4

Confirmation Data



REPORT OF LABORATORY ANALYSIS

June 22, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJN01
Laboratory: PACE New England - New Hampshire of Hampton, NH

Lab Numbers: 44280
Protocol: SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on June 6, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 6/6/95 (44280): Samples were received in one cooler. A temperature blank was not included with the shipment, therefore the cooler temperature could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Custody seals were not present on the cooler. Three bottles were received for the sample designated "CLJ62-FB" on the COC. Two of the three bottle labels for this sample were denoted "CLJ62-FB/From Auger Bucket after Decon" and were marked with a sampling time of "1500". One of the three bottle labels for this sample were denoted "CLJ62-FB/Field Blank" and was also marked with a sampling time of "1500". Rakesh Mishra (OHM) was contacted by Gretchen Franzheim (PACE) about this discrepancy. He verified that the two bottles were indeed field blanks. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A3S-001-CS".

Pesticide/PCB Analysis: The laboratory control sample "LSP4322SCC" for method 8080 analysis had recoveries for the analytes endrin and heptachlor that were above the acceptance limits. These limits were established using data points from non-cleanup samples. This sample received a sulfur cleanup. There are currently no laboratory established control limits for this particular matrix. When enough data points become available, new limits will be established. There appears to be a discrepancy between sample 44280-11 and 44280-12, the duplicate sample. Sample 44280-11 was reported to contain 4,4'-DDT while 44280-12 was not. After scrutinizing the chromatography, there appears to be some interfering peaks in sample 44280-11 which elute at the same retention time as 4,4'-DDT. Therefore, it is likely that the result for 4,4'-DDT in sample 44280-11 is a false positive. The sample designated "CLJ62-A3S-01-CS" (laboratory number 44280-1) for method 8080 analysis had high recovery for the analytes DDE, DDD, DDT in the matrix spike/spike duplicate. This was a probable matrix effect.



REPORT OF LABORATORY ANALYSIS


Pesticide Analysis: The method calibration for pesticides had a high % difference for the following analytes:

<u>Result File</u>	<u>Compound</u>
G11W18055	heptachlor - 17.7%
G11W18065	DDT - 22.4%
G11W19074	Gamma-BHC 16.4%

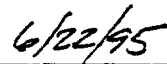
Sample data quality is unaffected as the samples were not quantitated against these standards.

Statement of Compliancy and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



June 22, 1995



NEW ENGLAND - NEW HAMPSHIRE LABORATORY

LAB# 44280

SAMPLE RECEIPT CONDITION REPORT

Tel. (603) 926-7777
FAX (603) 926-7939

PAGE 1 of 1
COOLER of
COC# 135239 + 135238
SDG# LJM81
CASE# CHMRC

CLIENT O.H.M. Corp.
DATE/TIME RECEIVED 6/6/95 0930
DELIVERED BY Ted G...
RECEIVED BY ...
LIMS ENTRY BY Gmf
TRANSCRIPTION REVIEW BY Gmf
LIMS REVIEW BY/PM Gmf

Table with columns: NA, YES, EXCEPTION, COMMENT, RESOLUTION. Rows include: 1. CUSTODY SEALS PRESENT/INTACT, 2. CHAIN OF CUSTODY PRESENT IN THIS COOLER, 3. CHAIN OF CUSTODY SIGNED, 4. CHAIN OF CUSTODY MATCHES SAMPLES, 5. SAMPLES RECEIVED AT 2° - 6° C, 6. VOLATILES FREE OF HEAD SPACE, 7. TRIP BLANK PRESENT IN THIS COOLER, 8. PROPER SAMPLE CONTAINERS AND VOLUME, 9. SAMPLES WITHIN HOLD TIME, 11. ANALYTICAL PROGRAMS (circle one) COMMERCIAL CLP EPA-CLP NYASP NJ ISRA NEESA AFCEE Other, 12. NUMBER OF PACE FILTRATIONS, 13. CORRECTIVE ACTIONS REPORT #

Log-in Notes:

bottle labels read -13A = CLJ62-RB / From Anger Bucket after Decom. / 1400
-13B =
-13C =
-14A = CLJ62-FB / Field Blank / 1500
-14B = / From Anger Bucket after Decom /
-14C =
Gretchen contacted Rakesh Mishra about discrepancy.
He indicated that -14B and -14C were indeed Field Blanks.
Gmf 6/8/95
EJ 6/8/95

CLIENT AUTHORIZATION SIGNATURE

DATE

SAMPLE TABLE

CLIENT ID.	MATRIX	PACE #	PARAMETERS
-----	-----	-----	-----
CLJ62-A3S-001-CS *SQC*	SOLID	44280-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-002-CS	SOLID	44280-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-003-CS	SOLID	44280-003	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-004-CS	SOLID	44280-004	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-006-CS	SOLID	44280-005	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-007-CS	SOLID	44280-006	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-009-CS	SOLID	44280-007	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-001-BC	SOLID	44280-008	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-002-BC	SOLID	44280-009	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-004-BC	SOLID	44280-010	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-006-BC	SOLID	44280-011	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-006-BCDUP	SOLID	44280-012	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-RB	WATER	44280-013	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-FB	WATER	44280-014	PCBS ORGANOCHLORINE PESTICIDES

Laboratory number: 44280-001
Sample Designation: CLJ62-A3S-001-CS
Date Extracted: 06/06/95
Date Analyzed: 06/08/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 14 % , elevating the reporting limits
by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	40
alpha-BHC	BDL	40
beta-BHC	BDL	40
gamma-BHC (Lindane)	BDL	40
delta-BHC	BDL	40
alpha-Chlordane	140	40
gamma-Chlordane	160	40
4,4'-DDT	180	80
4,4'-DDE	130	40
4,4'-DDD	330	80
Dieldrin	BDL	40
Endosulfan I	BDL	40
Endosulfan II	BDL	80
Endosulfan sulfate	BDL	80
Endrin	BDL	40
Endrin aldehyde	BDL	80
Heptachlor	BDL	40
Heptachlor Epoxide	BDL	40
PCB-1242 (Arochlor 1242)	BDL	400
PCB-1254 (Arochlor 1254)	BDL	400
PCB-1221 (Arochlor 1221)	BDL	400
PCB-1232 (Arochlor 1232)	BDL	400
PCB-1248 (Arochlor 1248)	BDL	400
PCB-1260 (Arochlor 1260)	BDL	400
PCB-1016 (Arochlor 1016)	BDL	400
Toxaphene	BDL	2000
Endrin Ketone	BDL	80
Methoxychlor	BDL	400

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44280-002
 Sample Designation: CLJ62-A3S-002-CS
 Date Extracted: 06/06/95
 Date Analyzed: 06/07/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 15 % , elevating the reporting limits
 by a factor of 1.17 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	200
alpha-BHC	BDL	200
beta-BHC	BDL	200
gamma-BHC (Lindane)	BDL	200
delta-BHC	BDL	200
alpha-Chlordane	BDL	200
gamma-Chlordane	BDL	200
4,4'-DDT	220 J	400
4,4'-DDE	170 J	200
4,4'-DDD	2500	400
Dieldrin	BDL	200
Endosulfan I	BDL	200
Endosulfan II	BDL	400
Endosulfan sulfate	BDL	400
Endrin	BDL	200
Endrin aldehyde	BDL	400
Heptachlor	BDL	200
Heptachlor Epoxide	BDL	200
PCB-1242 (Arochlor 1242)	BDL	2000
PCB-1254 (Arochlor 1254)	BDL	2000
PCB-1221 (Arochlor 1221)	BDL	2000
PCB-1232 (Arochlor 1232)	BDL	2000
PCB-1248 (Arochlor 1248)	BDL	2000
PCB-1260 (Arochlor 1260)	BDL	2000
PCB-1016 (Arochlor 1016)	BDL	2000
Toxaphene	BDL	8000
Endrin Ketone	BDL	400
Methoxychlor	BDL	2000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44280-003
 Sample Designation: CLJ62-A3S-003-CS
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 16 % , elevating the reporting limits
 by a factor of 1.2 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	20
alpha-BHC	BDL	20
beta-BHC	BDL	20
gamma-BHC (Lindane)	BDL	20
delta-BHC	BDL	20
alpha-Chlordane	9.7	J 20
gamma-Chlordane	BDL	20
4,4'-DDT	31	J 40
4,4'-DDE	36	20
4,4'-DDD	280	40
Dieldrin	BDL	20
Endosulfan I	BDL	20
Endosulfan II	BDL	40
Endosulfan sulfate	BDL	40
Endrin	BDL	20
Endrin aldehyde	BDL	40
Heptachlor	BDL	20
Heptachlor Epoxide	BDL	20
PCB-1242 (Arochlor 1242)	BDL	200
PCB-1254 (Arochlor 1254)	BDL	200
PCB-1221 (Arochlor 1221)	BDL	200
PCB-1232 (Arochlor 1232)	BDL	200
PCB-1248 (Arochlor 1248)	BDL	200
PCB-1260 (Arochlor 1260)	BDL	200
PCB-1016 (Arochlor 1016)	BDL	200
Toxaphene	BDL	800
Endrin Ketone	BDL	40
Methoxychlor	BDL	200

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44280-004
 Sample Designation: CLJ62-A3S-004-CS
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 11 % , elevating the reporting limits
 by a factor of 1.13 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	90
alpha-BHC	BDL	90
beta-BHC	BDL	90
gamma-BHC (Lindane)	BDL	90
delta-BHC	BDL	90
alpha-Chlordane	BDL	90
gamma-Chlordane	BDL	90
4,4'-DDT	740	200
4,4'-DDE	530	90
4,4'-DDD	1500	200
Dieldrin	BDL	90
Endosulfan I	BDL	90
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	90
Endrin aldehyde	BDL	200
Heptachlor	BDL	90
Heptachlor Epoxide	BDL	90
PCB-1242 (Arochlor 1242)	BDL	900
PCB-1254 (Arochlor 1254)	BDL	900
PCB-1221 (Arochlor 1221)	BDL	900
PCB-1232 (Arochlor 1232)	BDL	900
PCB-1248 (Arochlor 1248)	BDL	900
PCB-1260 (Arochlor 1260)	BDL	900
PCB-1016 (Arochlor 1016)	BDL	900
Toxaphene	BDL	4000
Endrin Ketone	BDL	200
Methoxychlor	BDL	900

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44280-005
 Sample Designation: CLJ62-A3S-006-CS
 Date Extracted: 06/06/95
 Date Analyzed: 06/07/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 16 % , elevating the reporting limits
 by a factor of 1.2 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	4
alpha-BHC	BDL	4
beta-BHC	BDL	4
gamma-BHC (Lindane)	BDL	4
delta-BHC	BDL	4
alpha-Chlordane	2.9 J	4
gamma-Chlordane	2.5 J	4
4,4'-DDT	BDL	8
4,4'-DDE	7.9	4
4,4'-DDD	79	8
Dieldrin	BDL	4
Endosulfan I	BDL	4
Endosulfan II	BDL	8
Endosulfan sulfate	BDL	8
Endrin	BDL	4
Endrin aldehyde	BDL	8
Heptachlor	BDL	4
Heptachlor Epoxide	BDL	4
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40
Toxaphene	BDL	200
Endrin Ketone	BDL	8
Methoxychlor	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

Laboratory number: 44280-006
Sample Designation: CLJ62-A3S-007-CS
Date Extracted: 06/06/95
Date Analyzed: 06/07/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 15 % , elevating the reporting limits
by a factor of 1.17 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	8
alpha-BHC	BDL	8
beta-BHC	BDL	8
gamma-BHC (Lindane)	BDL	8
delta-BHC	BDL	8
alpha-Chlordane	32	8
gamma-Chlordane	37	8
4,4'-DDT	130	20
4,4'-DDE	25	8
4,4'-DDD	BDL	20
Dieldrin	BDL	8
Endosulfan I	BDL	8
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	8
Endrin aldehyde	BDL	20
Heptachlor	BDL	8
Heptachlor Epoxide	BDL	8
PCB-1242 (Arochlor 1242)	BDL	80
PCB-1254 (Arochlor 1254)	BDL	80
PCB-1221 (Arochlor 1221)	BDL	80
PCB-1232 (Arochlor 1232)	BDL	80
PCB-1248 (Arochlor 1248)	BDL	80
PCB-1260 (Arochlor 1260)	BDL	80
PCB-1016 (Arochlor 1016)	BDL	80
Toxaphene	BDL	300
Endrin Ketone	BDL	20
Methoxychlor	BDL	80

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44280-007
 Sample Designation: CLJ62-A3S-009-CS
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)		REPORTING LIMIT (ug/Kg)
Aldrin	BDL		4
alpha-BHC	BDL		4
beta-BHC	BDL		4
gamma-BHC (Lindane)	BDL		4
delta-BHC	BDL		4
alpha-Chlordane	3.5	J	4
gamma-Chlordane	3.3	J	4
4,4'-DDT	23		8
4,4'-DDE	10		4
4,4'-DDD	15		8
Dieldrin	BDL		4
Endosulfan I	BDL		4
Endosulfan II	BDL		8
Endosulfan sulfate	BDL		8
Endrin	BDL		4
Endrin aldehyde	BDL		8
Heptachlor	BDL		4
Heptachlor Epoxide	BDL		4
PCB-1242 (Arochlor 1242)	BDL		40
PCB-1254 (Arochlor 1254)	BDL		40
PCB-1221 (Arochlor 1221)	BDL		40
PCB-1232 (Arochlor 1232)	BDL		40
PCB-1248 (Arochlor 1248)	BDL		40
PCB-1260 (Arochlor 1260)	BDL		40
PCB-1016 (Arochlor 1016)	BDL		40
Toxaphene	BDL		200
Endrin Ketone	BDL		8
Methoxychlor	BDL		40

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

Laboratory number: 44280-008
 Sample Designation: CLJ62-A3S-001-BC
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 15 % , elevating the reporting limits
 by a factor of 1.18 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	20
alpha-BHC	BDL	20
beta-BHC	BDL	20
gamma-BHC (Lindane)	BDL	20
delta-BHC	BDL	20
alpha-Chlordane	24	20
gamma-Chlordane	28	20
4,4'-DDT	220	40
4,4'-DDE	40	20
4,4'-DDD	30	J 40
Dieldrin	23	20
Endosulfan I	BDL	20
Endosulfan II	BDL	40
Endosulfan sulfate	BDL	40
Endrin	BDL	20
Endrin aldehyde	BDL	40
Heptachlor	BDL	20
Heptachlor Epoxide	BDL	20
PCB-1242 (Arochlor 1242)	BDL	200
PCB-1254 (Arochlor 1254)	BDL	200
PCB-1221 (Arochlor 1221)	BDL	200
PCB-1232 (Arochlor 1232)	BDL	200
PCB-1248 (Arochlor 1248)	BDL	200
PCB-1260 (Arochlor 1260)	BDL	200
PCB-1016 (Arochlor 1016)	BDL	200
Toxaphene	BDL	800
Endrin Ketone	BDL	40
Methoxychlor	BDL	200

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44280-009
 Sample Designation: CLJ62-A3S-002-BC
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 6 % , elevating the reporting limits
 by a factor of 1.07 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	20
alpha-BHC	BDL	20
beta-BHC	BDL	20
gamma-BHC (Lindane)	BDL	20
delta-BHC	BDL	20
alpha-Chlordane	14 J	20
gamma-Chlordane	16 J	20
4,4'-DDT	32 J	40
4,4'-DDE	48	20
4,4'-DDD	200	40
Dieldrin	BDL	20
Endosulfan I	BDL	20
Endosulfan II	BDL	40
Endosulfan sulfate	BDL	40
Endrin	BDL	20
Endrin aldehyde	BDL	40
Heptachlor	BDL	20
Heptachlor Epoxide	BDL	20
PCB-1242 (Arochlor 1242)	BDL	200
PCB-1254 (Arochlor 1254)	BDL	200
PCB-1221 (Arochlor 1221)	BDL	200
PCB-1232 (Arochlor 1232)	BDL	200
PCB-1248 (Arochlor 1248)	BDL	200
PCB-1260 (Arochlor 1260)	BDL	200
PCB-1016 (Arochlor 1016)	BDL	200
Toxaphene	BDL	700
Endrin Ketone	BDL	40
Methoxychlor	BDL	200

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44280-010
 Sample Designation: CLJ62-A3S-004-BC
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 12 % , elevating the reporting limits
 by a factor of 1.13 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)		REPORTING LIMIT (ug/Kg)
Aldrin	BDL		400
alpha-BHC	BDL		400
beta-BHC	BDL		400
gamma-BHC (Lindane)	BDL		400
delta-BHC	BDL		400
alpha-Chlordane	210	J	400
gamma-Chlordane	190	J	400
4,4'-DDT	BDL		700
4,4'-DDE	370	J	400
4,4'-DDD	6700		700
Dieldrin	BDL		400
Endosulfan I	BDL		400
Endosulfan II	BDL		700
Endosulfan sulfate	BDL		700
Endrin	BDL		400
Endrin aldehyde	BDL		700
Heptachlor	BDL		400
Heptachlor Epoxide	BDL		400
PCB-1242 (Arochlor 1242)	BDL		4000
PCB-1254 (Arochlor 1254)	BDL		4000
PCB-1221 (Arochlor 1221)	BDL		4000
PCB-1232 (Arochlor 1232)	BDL		4000
PCB-1248 (Arochlor 1248)	BDL		4000
PCB-1260 (Arochlor 1260)	BDL		4000
PCB-1016 (Arochlor 1016)	BDL		4000
Toxaphene	BDL		10000
Endrin Ketone	BDL		700
Methoxychlor	BDL		4000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44280-011
 Sample Designation: CLJ62-A3S-006-BC
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 18 % , elevating the reporting limits
 by a factor of 1.22 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	4
alpha-BHC	BDL	4
beta-BHC	BDL	4
gamma-BHC (Lindane)	BDL	4
delta-BHC	BDL	4
alpha-Chlordane	9.9	4
gamma-Chlordane	10	4
4,4'-DDT	9.0	8
4,4'-DDE	4.2	4
4,4'-DDD	BDL	8
Dieldrin	BDL	4
Endosulfan I	BDL	4
Endosulfan II	BDL	8
Endosulfan sulfate	BDL	8
Endrin	BDL	4
Endrin aldehyde	BDL	8
Heptachlor	BDL	4
Heptachlor Epoxide	BDL	4
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40
Toxaphene	BDL	200
Endrin Ketone	BDL	8
Methoxychlor	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit



Laboratory number: 44280-012
 Sample Designation: CLJ62-A3S-006-BCDUP
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 19 % , elevating the reporting limits
 by a factor of 1.24 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	4
alpha-BHC	BDL	4
beta-BHC	BDL	4
gamma-BHC (Lindane)	BDL	4
delta-BHC	BDL	4
alpha-Chlordane	8.9	4
gamma-Chlordane	9.0	4
4,4'-DDT	BDL	8
4,4'-DDE	3.9	J 4
4,4'-DDD	BDL	8
Dieldrin	BDL	4
Endosulfan I	BDL	4
Endosulfan II	BDL	8
Endosulfan sulfate	BDL	8
Endrin	BDL	4
Endrin aldehyde	BDL	8
Heptachlor	BDL	4
Heptachlor Epoxide	BDL	4
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40
Toxaphene	BDL	200
Endrin Ketone	BDL	8
Methoxychlor	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

Laboratory number: 44280-013
 Sample Designation: CLLJ62-RB
 Date Extracted: 06/06/95
 Date Analyzed: 06/08/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 8080
 EPA SW846, 3rd Edition

BDL = Below reporting limit

Laboratory number: 44280-014
Sample Designation: CLLJ62-FB
Date Extracted: 06/06/95
Date Analyzed: 06/08/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608
EPA SW846, 3rd Edition

BDL = Below reporting limit

SOIL PESTICIDE SURROGATE RECOVERY

Client: OHM REMEDIATION SERVICES CORPORATION
Project: CAMP LEJEUNE P/P
Level: Low Soil

Lab No.: 44280

CLIENT SAMPLE NO.	S1 (TCX) #	S2 (DCB) #	OTHER	TOT OUT
CLJ62-A3S-001-CS	71	86		0
CLJ62-A3S-002-CS	0D	0D		0
CLJ62-A3S-003-CS	69	92		0
CLJ62-A3S-004-CS	0D	0D		0
CLJ62-A3S-006-CS	52	72		0
CLJ62-A3S-007-CS	59	88		0
CLJ62-A3S-009-CS	58	80		0
CLJ62-A3S-001-BC	66	97		0
CLJ62-A3S-002-BC	67	92		0
CLJ62-A3S-004-BC	0D	0D		0
CLJ62-A3S-006-BC	80	97		0
CLJ62-A3S-006-BCDUP	71	89		0
B-P4322	65	91		0
B-P4322SCC	72	98		

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene 20 - 150
S2 (DCB) = Decachlorobiphenyl 20 - 150

Column to be used to flag recovery values with an asterisk
* Values outside of designated QC limits
D Surrogates diluted out

WATER PESTICIDE SURROGATE RECOVERY

Client: OHM REMEDIATION SERVICES CORPORATION
 Project: CAMP LEJEUNE P/P

Lab No.: 44280

CLIENT SAMPLE NO.	S1 (TCX) #	S2 (DCB) #	OTHER	TOT OUT
===== CLLJ62-RB	61	30		0
CLLJ62-FB	63	31		0
BP4320	67	47		

QC LIMITS

- S1 (TCX) = Tetrachloro-m-xylene 20 - 150
- S2 (DCB) = Decachlorobiphenyl 20 - 150

Column to be used to flag recovery values with an asterisk
 * Values outside of designated QC limits
 D Surrogates diluted out



Laboratory number: B-P4322
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/07/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	3
ALPHA-BHC	BDL	3
BETA-BHC	BDL	3
GAMMA-BHC	BDL	3
DELTA-BHC	BDL	3
ALPHA-CHLORDANE	BDL	3
GAMMA-CHLORDANE	BDL	3
4,4'-DDT	BDL	6
4,4'-DDE	BDL	3
4,4'-DDD	BDL	6
DIELDRIN	BDL	3
ENDOSULFAN I	BDL	3
ENDOSULFAN II	BDL	6
ENDOSULFAN SULFATE	BDL	6
ENDRIN	BDL	3
ENDRIN ALDEHYDE	BDL	6
HEPTACHLOR	BDL	3
HEPTACHLOR EPOXIDE	BDL	3
PCB-1242	BDL	30
PCB-1254	BDL	30
PCB-1221	BDL	30
PCB-1232	BDL	30
PCB-1248	BDL	30
PCB-1260	BDL	30
PCB-1016	BDL	30
TOXAPHENE	BDL	100
ENDRIN KETONE	BDL	6
METHOXYCHLOR	BDL	30

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

Laboratory number: B-P4322SCC
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/07/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	3
ALPHA-BHC	BDL	3
BETA-BHC	BDL	3
GAMMA-BHC	BDL	3
DELTA-BHC	BDL	3
ALPHA-CHLORDANE	BDL	3
GAMMA-CHLORDANE	BDL	3
4,4'-DDT	BDL	6
4,4'-DDE	BDL	3
4,4'-DDD	BDL	6
DIELDRIN	BDL	3
ENDOSULFAN I	BDL	3
ENDOSULFAN II	BDL	6
ENDOSULFAN SULFATE	BDL	6
ENDRIN	BDL	3
ENDRIN ALDEHYDE	BDL	6
HEPTACHLOR	BDL	3
HEPTACHLOR EPOXIDE	BDL	3
PCB-1242	BDL	30
PCB-1254	BDL	30
PCB-1221	BDL	30
PCB-1232	BDL	30
PCB-1248	BDL	30
PCB-1260	BDL	30
PCB-1016	BDL	30
TOXAPHENE	BDL	100
ENDRIN KETONE	BDL	6
METHOXYCHLOR	BDL	30

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

Laboratory number: B-P4320
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/07/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	1
PCB-1254	BDL	1
PCB-1221	BDL	1
PCB-1232	BDL	1
PCB-1248	BDL	1
PCB-1260	BDL	1
PCB-1016	BDL	1
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44280-1 MS
 Sample Designation: CLJ62-A3S-001-CS MS
 Date Analyzed: 06/09/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	NC	NC	NC
GAMMA-BHC	0	NC	NC	NC
BETA-BHC	0	NC	NC	NC
HEPTACHLOR	0	NC	NC	NC
DELTA-BHC	0	NC	NC	NC
ALDRIN	0	NC	NC	NC
HEPTACHLOR EPOXIDE	0	NC	NC	NC
4,4'-DDE	130	19.03	225.226	500.4
DIELDRIN	0	NC	NC	NC
ENDRIN	0	NC	NC	NC
4,4'-DDD	330	19.03	917.776	3089
ENDOSULFAN II	0	NC	NC	NC
4,4'-DDT	180	19.03	334.930	814.1
ENDRIN ALDEHYDE	0	NC	NC	NC
ENDOSULFAN SULFATE	0	NC	NC	NC
METHOXYCHLOR	0	NC	NC	NC
ENDOSULFAN I	0	NC	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44280-1 MSD
 Sample Designation: CLJ62-A3S-001-CS MSD
 Date Analyzed: 06/08/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2		REL. DIFF. %
			ug/Kg FOUND	%REC- OVERY	
ALPHA-BHC	0	NC	NC	NC	NC
GAMMA-BHC	0	NC	NC	NC	NC
BETA-BHC	0	NC	NC	NC	NC
HEPTACHLOR	0	NC	NC	NC	NC
DELTA-BHC	0	NC	NC	NC	NC
ALDRIN	0	NC	NC	NC	NC
HEPTACHLOR EPOXIDE	0	NC	NC	NC	NC
4,4'-DDE	130	19.28	204.505	386.4	26
DIELDRIN	0	NC	NC	NC	NC
ENDRIN	0	NC	NC	NC	NC
4,4'-DDD	330	19.28	884.682	2877	7
ENDOSULFAN II	0	NC	NC	NC	NC
4,4'-DDT	180	19.28	293.692	589.7	32
ENDRIN ALDEHYDE	0	NC	NC	NC	NC
ENDOSULFAN SULFATE	0	NC	NC	NC	NC
METHOXYCHLOR	0	NC	NC	NC	NC
ENDOSULFAN I	0	NC	NC	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4322
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 06/13/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	16.70	10.105	60
GAMMA-BHC	0	16.70	10.619	64
BETA-BHC	0	16.70	11.667	70
HEPTACHLOR	0	16.70	10.826	65
DELTA-BHC	0	16.70	12.605	75
ALDRIN	0	16.70	10.348	62
HEPTACHLOR EPOXIDE	0	16.70	12.060	72
4,4'-DDE	0	16.70	12.410	74
DIELDRIN	0	16.70	12.122	73
ENDRIN	0	16.70	12.574	75
4,4'-DDD	0	16.70	11.262	67
ENDOSULFAN II	0	16.70	9.163	55
4,4'-DDT	0	16.70	14.642	88
ENDRIN ALDEHYDE	0	16.70	9.173	55
ENDOSULFAN SULFATE	0	16.70	11.880	71
METHOXYCHLOR	0	167.00	132.028	79
ENDOSULFAN I	0	16.70	7.092	42

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4322SCC
Sample Designation: LABORATORY CONTROL SAMPLE
Date Analyzed: 06/07/95
Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	16.70	13.153	79
GAMMA-BHC	0	16.70	13.529	81
BETA-BHC	0	16.70	14.273	85
HEPTACHLOR	0	16.70	14.066	84
DELTA-BHC	0	16.70	14.819	89
ALDRIN	0	16.70	13.072	78
HEPTACHLOR EPOXIDE	0	16.70	14.671	88
4,4'-DDE	0	16.70	14.880	89
DIELDRIN	0	16.70	14.596	87
ENDRIN	0	16.70	15.769	94
4,4'-DDD	0	16.70	13.794	83
ENDOSULFAN II	0	16.70	11.191	67
4,4'-DDT	0	16.70	15.443	92
ENDRIN ALDEHYDE	0	16.70	13.696	82
ENDOSULFAN SULFATE	0	16.70	14.811	89
METHOXYCHLOR	0	167.00	150.026	90
ENDOSULFAN I	0	16.70	8.501	51

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHOD 8080

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4320
Sample Designation: LABORATORY CONTROL SAMPLES
Date Analyzed: 06/07/95
Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.151	60
GAMMA-BHC	0	0.250	0.158	63
BETA-BHC	0	0.250	0.168	67
HEPTACHLOR	0	0.250	0.152	61
DELTA-BHC	0	0.250	0.163	65
ALDRIN	0	0.250	0.145	58
HEPTACHLOR EPOXIDE	0	0.250	0.169	68
4,4'-DDE	0	0.250	0.152	61
DIELDRIN	0	0.250	0.162	65
ENDRIN	0	0.250	0.171	68
4,4'-DDD	0	0.250	0.154	61
ENDOSULFAN II	0	0.250	0.132	53
4,4'-DDT	0	0.250	0.168	67
ENDRIN ALDEHYDE	0	0.250	0.179	72
ENDOSULFAN SULFATE	0	0.250	0.161	65
METHOXYCHLOR	0	2.500	1.821	73
ENDOSULFAN I	0	0.250	0.100	40

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

REVIEWED BY: _____

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 3

SOP #: QASSY1

Pest/PCB

METHOD: SONC/3550

MATRIX: SOLID

LOW - S

TEST / LEVEL: PCB / Low
Pest/

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	NA2SO4 (g)	SURR # AMT/CONC. INITIALS	SPIKE # AMT/CONC.	INTER VOL (ml)	ALICUOT VOL (ml)	FINAL VOL (ml)	SENT LAB/UX
-	PM	8A4322	30.	60	1307 0.5 ml	-	10.0	0.5	1.0	PM
-	6-6-95	LSA4322	30.	60	20 PPM	1318 0.5 ml				U.L
1		44280-1	30.58	75.		MA				
2		-2	30.96	75.						
3		-3	30.90	75.						
4		-4	30.58	80						
5		-5	30.23	75.						
6		-6	30.23	75.						
7		(E10B)-7	30.26	75.						
8		-8	30.77	75.						
9		(E10B)-9	30.26	75.						
10		-10	30.82	75.						
11		(E10B)-11	30.18	75.						
12		-12	30.19	75.						
-		-1ms	30.52	75.						
-		-1ms0	30.12	75.						

(E10)

(E10B)
200 ml
50.1 PPM

(E10A)
6-6-95

COMMENTS: (E10) - Samples very wet - added 75.0 g
of Na₂SO₄
(E10A) - Added 0.5 ml Pest spike
E1259 to LSA4322 & 44280-1ms/ms0
(E10A) - required sulfur clean-up copper

PACE INCORPORATED
Organics Extraction
AQUEOUS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: QA5528

METHOD: CONT/3520 SEPF/3510

MATRIX: AQUEOUS

TEST / LEVEL: PCB / 1

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT VOL (L)	SURR # AMT/CONC INITIALS	LCS IS/MSD	SPIKE # AMT/CONC.	INTER VOL (ml)	ALIQOT VOL (ml)	FINAL VOL (ml)	SENT LABUX
	AMM 6/6/95	B P4320	1.0	E1308 2.50ml		N/A	10.0	1.0	1.0	
		LSP4320	1.0	2.0ppm	34320	E1318 100ml 2.0-4ppm				
2		(E10) 44247-2	.975			N/A				
3		44262-2	.485							
4	↓	44261-3	.890							
5	↓	44280-13	.960							
6	↓	44280-14	.765							
	PM 6-7-95	LSP4320B	1.0			E1259 2.50ml 1.0-10.0 ppm				
<p>(E10) AMM 6/6/95</p>										

COMMENTS:

(E10) 44247-2 formed 2 layers
@ 1.0 ml stage final volume -
remove top hexane layer for
analysis PM 6-7-95

PACe, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:26:15
Method updated: 03/10/95 12:11:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17426.RES
Level 2 /DATA/GC01/RESULT/G1H17427.RES
Level 3 /DATA/GC01/RESULT/G1H17428.RES
Level 4 /DATA/GC01/RESULT/G1H17429.RES
Level 5 /DATA/GC01/RESULT/G1H17430.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.22	TCX	.99981	-2119.91	1233768.50	-537386.50
2	14.62	AR1254	.99996	297.02	43535.86	-4780.59
	16.32	AR1254	.99999	36.56	62125.27	-3852.58
	16.86	AR1254	.99995	-9.80	48502.26	-4637.60
5	17.38	AR1254	.99998	81.57	27120.31	-2429.93
6	18.77	AR1254	.99997	405.57	46914.61	-2820.04
7	29.98	DCB	.99998	342.75	530850.12	-256257.78

$$R = B0 + B1X + B2X^2$$

PAUL, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:24:30
Method updated: 03/10/95 15:05:52

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17426.RES
Level 2 /DATA/GC11/RESULT/G11H17427.RES
Level 3 /DATA/GC11/RESULT/G11H17428.RES
Level 4 /DATA/GC11/RESULT/G11H17429.RES
Level 5 /DATA/GC11/RESULT/G11H17430.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.66	TCX	.99975	-2362.56	1455482.70	-577617.25
2	13.54	AR1254	.99997	295.55	48500.99	-4090.71
3	15.04	AR1254	.99992	164.94	66311.34	-2601.04
	15.56	AR1254	.99997	10.66	32668.95	-2907.08
5	15.80	AR1254	.99996	89.93	45384.80	-1248.26
6	16.91	AR1254	.99979	-250.71	26039.36	263.78
7	25.53	DCB	.99999	543.92	585667.87	-272356.81

$$R = B_0 + B_1X + B_2X^2$$

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

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for /DATA/GC01/METHOD/PEST131.MTH
Method created: 06/02/95 11:05:31
Method updated: 06/05/95 15:17:06

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1W17974.RES
Level 2 /DATA/GC01/RESULT/G1W17975.RES
Level 3 /DATA/GC01/RESULT/G1W17976.RES
Level 4 /DATA/GC01/RESULT/G1W17977.RES
Level 5 /DATA/GC01/RESULT/G1W17978.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.17	TCX	.99992	-1550.53	1399244.80	-1032167.1
2	8.21	ALPHA-BHC	.99864	-1121.84	1036797.60	14620798.0
3	9.47	GAMMA-BHC	.99904	-1145.57	1149279.50	8074279.00
4	9.74	BETA-BHC	.99949	-432.66	790564.88	144727.69
	10.75	HEPTACHLOR	.99946	-458.45	1012195.60	5156887.00
	10.94	DELTA-BHC	.99930	-797.65	908877.38	9837356.00
7	11.86	ALDRIN	.99987	-73.01	813508.25	7724360.00
8	13.73	HEPTACHLOR EPOXIDE	.99984	-323.83	1004531.10	2980262.50
9	14.38	GAMMA-CHLORDANE	.99956	-337.12	1000188.10	4399612.00
10	14.94	ALPHA-CHLORDANE/ENDOSULFA	.99942	-1223.33	937721.50	730018.50
11	15.74	4,4'-DDE	.99884	-1799.05	924875.25	2713163.00
12	15.98	DIELDRIN	.99915	-1423.30	926721.75	2600386.50
13	17.14	ENDRIN	.99922	-1174.17	814510.00	1783060.30
14	17.63	4,4'-DDD	.99943	-1079.13	648796.13	2105069.50
15	17.79	ENDOSULFAN II	.99928	-116.85	1167807.00	-869363.63
16	18.68	4,4'-DDT	.99935	-1096.81	765210.63	1966996.70
17	18.83	ENDRIN ALDEHYDE	.99993	-216.10	826351.25	130867.14
18	19.37	ENDOSULFAN SULFATE	.99947	-902.51	875542.87	506151.44
19	21.60	METHOXYCHLOR	.99991	-907.88	451589.06	-93598.38
20	21.93	ENDRIN KETONE	.99935	-1198.77	845124.00	751514.37
21	29.78	OCB	.99999	264.98	583941.75	-330925.63

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PEST131.MTH
Method created: 06/02/95 11:06:13
Method updated: 06/02/95 16:49:41

Result files used for Calibration data:

Level 1 /DATA/GC11/RESULT/G11W17974.RES
Level 2 /DATA/GC11/RESULT/G11W17975.RES
Level 3 /DATA/GC11/RESULT/G11W17976.RES
Level 4 /DATA/GC11/RESULT/G11W17977.RES
Level 5 /DATA/GC11/RESULT/G11W17978.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.61	TCX	.99947	-1191.09	1512726.20	-603531.00
2	8.16	ALPHA-BHC	.99919	-1013.21	947265.63	16835532.0
3	9.40	GAMMA-BHC	.99873	-1400.48	1295658.30	3833839.50
4	10.03	HEPTACHLOR	.99998	69.12	1091859.50	5137076.00
5	10.87	ALDRIN	.99903	-790.24	1034265.60	5262544.00
6	11.73	BETA-BHC	.99985	-262.50	754745.00	-279825.25
7	12.49	DELTA-BHC	.99910	-616.56	720692.75	12275028.0
8	13.11	HEPTACHLOR EPOXIDE	.99919	-535.05	1032940.30	3443508.50
9	13.99	ENDOSULFAN I	.99927	-387.18	890259.13	5046140.00
10	14.13	GAMMA-CHLORDANE	.99992	-239.48	1044785.00	2220476.50
11	14.38	ALPHA-CHLORDANE	.99925	-533.38	1080576.70	3152814.50
12	14.63	4,4'-DDE	.99969	-1180.20	849129.50	2975619.00
13	15.16	DIELDRIN	.99969	-1227.92	995607.12	1707033.50
14	15.85	ENDRIN	.99899	-1193.18	798225.12	1979567.50
15	17.17	4,4'-DDD	.99879	-1349.19	690744.50	1641686.00
16	17.41	ENDOSULFAN II	.99933	-1262.73	972613.50	227289.22
17	17.72	4,4'-DDT	.99964	-8.39	700836.00	1526038.00
18	18.74	ENDRIN ALDEHYDE	.99963	395.06	522991.19	-311613.38
19	19.78	METHOXYCHLOR/ENDO SULFATE	.99968	-1340.78	475283.75	-49268.64
20	21.10	ENDRIN KETONE	.99942	-1101.54	834344.37	268784.94
21	25.39	DCB	.99996	467.32	623934.25	-342828.56

$$R = B_0 + B_1X + B_2X^2$$

PAC Incorporated

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| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC01/METHOD/PEST132.MTH
Method created: 06/07/95 12:56:53
Method updated: 06/07/95 16:56:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1W18038.RES
Level 2 /DATA/GC01/RESULT/G1W18039.RES
Level 3 /DATA/GC01/RESULT/G1W18040.RES
Level 4 /DATA/GC01/RESULT/G1W18041.RES
Level 5 /DATA/GC01/RESULT/G1W18042.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.19	TCX	.99971	-2039.53	1411512.70	-1035535.0
2	8.23	ALPHA-BHC	.99908	-810.86	934258.25	18716856.0
3	9.49	GAMMA-BHC	.99854	-1158.88	1117170.50	11107644.0
4	9.76	BETA-BHC	.99923	-376.63	747433.00	1872621.00
5	10.77	HEPTACHLOR	.99986	-426.87	1102702.00	6353986.00
6	10.96	DELTA-BHC	.99885	-925.49	916885.87	12890740.0
7	11.88	ALDRIN	.99946	-491.34	912183.63	5929158.00
8	13.76	HEPTACHLOR EPOXIDE	.99951	-547.39	991770.25	3999925.50
9	14.41	GAMMA-CHLORDANE	.99985	-331.53	980421.12	4205186.00
10	14.96	ALPHA-CHLORDANE/ENDOSULFA	.99935	-1228.39	868216.25	1461911.50
11	15.77	4,4'-DDE	.99940	-1562.71	810329.00	3822042.50
12	16.01	DIELDRIN	.99947	-1555.62	890205.13	2632940.00
13	17.17	ENDRIN	.99969	-503.09	691167.87	2535417.00
14	17.66	4,4'-DDD	.99898	-904.04	639179.38	2550843.00
15	17.81	ENDOSULFAN II	.99970	-1025.52	948167.38	813577.38
16	18.71	4,4'-DDT	.99897	-1636.32	637625.50	2409950.00
17	18.86	ENDRIN ALDEHYDE	.99947	-946.13	744225.25	827266.13
18	19.40	ENDOSULFAN SULFATE	.99973	-501.67	740406.50	1798675.00
19	21.64	METHOXYCHLOR	.99954	-2514.47	407046.00	-32152.39
20	21.97	ENDRIN KETONE	.99939	-1181.38	772375.75	1481240.50
21	29.88	DCB	.99998	352.17	550162.62	-246978.06

$$R = B0 + B1X + B2X^2$$

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+-----+
| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC11/METHOD/PEST132.MTH
Method created: 06/07/95 12:59:59
Method updated: 06/07/95 16:57:37

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11W18038.RES
Level 2 /DATA/GC11/RESULT/G11W18039.RES
Level 3 /DATA/GC11/RESULT/G11W18040.RES
Level 4 /DATA/GC11/RESULT/G11W18041.RES
Level 5 /DATA/GC11/RESULT/G11W18042.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.63	TCX	.99847	-1803.44	1563486.20	-1007998.1
2	8.17	ALPHA-BHC	.99977	-716.11	949828.75	18558440.0
3	9.42	GAMMA-BHC	.99809	-1765.08	1381324.50	3393053.00
4	10.04	HEPTACHLOR	.99985	-308.89	971844.87	5505637.00
5	10.89	ALDRIN	.99869	-829.59	1016079.70	6282448.00
	11.74	BETA-BHC	.99984	-308.92	729354.50	995450.12
7	12.50	DELTA-BHC	.99947	-566.00	720810.12	14106616.0
8	13.13	HEPTACHLOR EPOXIDE	.99895	-607.36	1020953.50	4190362.00
9	14.00	ENDOSULFAN I	.99961	-374.97	868099.87	5909967.00
10	14.15	GAMMA-CHLORDANE	.99972	-529.76	1046731.20	2727746.00
11	14.40	ALPHA-CHLORDANE	.99917	-503.65	1044352.50	4167043.50
12	14.64	4,4'-DDE	.99968	-1216.43	815618.50	3520911.00
13	15.18	DIELDRIN	.99929	-1783.77	1022450.70	1582701.30
14	15.87	ENDRIN	.99939	-1090.83	746433.63	2421867.50
15	17.19	4,4'-DDD	.99883	-939.90	734528.87	1572434.70
16	17.43	ENDOSULFAN II	.99917	-1184.55	935447.75	667577.12
17	17.74	4,4'-DDT	.99953	-1200.70	622788.62	1676733.00
18	18.76	ENDRIN ALDEHYDE	.99922	-764.04	478378.56	262602.69
19	19.80	METHOXYCHLOR/ENDO SULFATE	.99960	-3118.59	449179.94	-15245.86
20	21.13	ENDRIN KETONE	.99908	-1350.84	853471.00	363452.94
21	25.44	DCB	.99993	703.80	594197.75	-236605.03

$$R = B_0 + B_1X + B_2X^2$$

PACE, Incorporated
Continuing Calibration Report

Thu Jun 8, 1995 10:31:31 am

/DATA/GC01/RESULT/G1W18012.RES
/DATA/GC01/METHOD/PEST131.MTH

Sample: P8600 IND 2AB
Injected: Tue Jun 6, 1995 7:29:01 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.096	.100	4.3	95.7
8.23	ALPHA-BHC	.020	.020	2.1	97.9
9.50	GAMMA-BHC	.019	.020	3.1	96.9
9.76	BETA-BHC	.020	.020	1.3	98.7
10.77	HEPTACHLOR	.021	.020	3.1	103.1
10.96	DELTA-BHC	.019	.020	2.7	97.3
11.88	ALDRIN	.019	.020	3.3	96.7
13.76	HEPTACHLOR EPOXIDE	.020	.020	1.9	98.1
14.41	GAMMA-CHLORDANE	.020	.020	2.1	97.9
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	3.3	96.7
15.77	4,4'-DDE	.039	.040	2.4	97.6
16.01	DIELDRIN	.039	.040	3.4	96.6
17.17	ENDRIN	.037	.040	6.7	93.3
17.66	4,4'-DDD	.038	.040	3.8	96.2
17.81	ENDOSULFAN II	.035	.040	12.3	87.7
18.71	4,4'-DDT	.038	.040	4.1	95.9
18.85	ENDRIN ALDEHYDE	.038	.040	5.7	94.3
19.40	ENDOSULFAN SULFATE	.039	.040	3.7	96.3
21.63	METHOXYCHLOR	.193	.200	3.5	96.5
21.97	ENDRIN KETONE	.039	.040	3.0	97.0
29.85	DCB	.098	.100	2.3	97.7

PACE, Incorporated
Continuing Calibration Report

Thu Jun 8, 1995 10:32:03 am

/DATA/GC11/RESULT/G11W18012.RES
/DATA/GC11/METHOD/PEST131.MTH

Sample: PB600 IND 2AB
Injected: Tue Jun 6, 1995 7:29:01 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.101	.100	.8	100.8
8.17	ALPHA-BHC	.020	.020	.6	99.4
9.43	GAMMA-BHC	.019	.020	3.0	97.0
10.05	HEPTACHLOR	.019	.020	3.9	96.1
10.90	ALDRIN	.020	.020	2.1	97.9
11.76	BETA-BHC	.019	.020	3.7	96.3
12.51	DELTA-BHC	.020	.020	.7	99.3
13.14	HEPTACHLOR EPOXIDE	.020	.020	.5	99.5
14.01	ENDOSULFAN I	.020	.020	.1	99.9
14.16	GAMMA-CHLORDANE	.019	.020	2.6	97.4
14.40	ALPHA-CHLORDANE	.020	.020	.3	99.7
14.65	4,4'-DDE	.038	.040	5.1	94.9
15.19	DIELDRIN	.039	.040	3.7	96.3
15.88	ENDRIN	.038	.040	4.3	95.7
17.20	4,4'-DDD	.040	.040	1.1	98.9
17.43	ENDOSULFAN II	.039	.040	2.4	97.6
17.74	4,4'-DDT	.037	.040	6.4	93.6
18.77	ENDRIN ALDEHYDE	.036	.040	10.2	89.8
19.80	METHOXYCHLOR/ENDO SULFATE	.239	.240	.6	99.4
21.13	ENDRIN KETONE	.040	.040	.5	99.5
25.44	DCB	.098	.100	2.0	98.0

FACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 4:32:28 pm

/DATA/GC11/RESULT/G11W18018.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8615
Injected: Tue Jun 6, 1995 11:33:03 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.096	.100	4.0	96.0
13.53	AR1254	.532	.500	6.3	106.3
15.02	AR1254	.510	.500	2.0	102.0
15.54	AR1254	.524	.500	4.8	104.8
15.79	AR1254	.507	.500	1.5	101.5
16.89	AR1254	.512	.500	2.5	102.5
25.46	DCB	.106	.100	5.6	105.6

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 4:33:11 pm

/DATA/GC01/RESULT/G1W18018.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8615
Injected: Tue Jun 6, 1995 11:33:03 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.108	.100	8.2	108.2
14.61	AR1254	.532	.500	6.4	106.4
16.30	AR1254	.550	.500	9.9	109.9
16.85	AR1254	.529	.500	5.7	105.7
17.37	AR1254	.553	.500	10.6	110.6
18.76	AR1254	.521	.500	4.3	104.3
29.91	DCB	.108	.100	8.5	108.5

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:11:15 am

/DATA/GC01/RESULT/G1W18044.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Wed Jun 7, 1995 5:34:05 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.111	.100	10.7	110.7
14.60	AR1254	.544	.500	8.8	108.8
16.29	AR1254	.529	.500	5.8	105.8
16.84	AR1254	.527	.500	5.4	105.4
17.36	AR1254	.534	.500	6.9	106.9
18.74	AR1254	.510	.500	2.1	102.1
29.88	DCB	.106	.100	6.3	106.3

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:11:39 am

/DATA/GC11/RESULT/G11W18044.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Wed Jun 7, 1995 5:34:05 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.103	.100	2.5	102.5
13.51	AR1254	.524	.500	4.8	104.8
15.00	AR1254	.541	.500	8.3	108.3
15.53	AR1254	.510	.500	1.9	101.9
15.77	AR1254	.539	.500	7.7	107.7
16.88	AR1254	.493	.500	1.3	98.7
25.44	OCB	.104	.100	4.0	104.0

PACE, Incorporated
Continuing Calibration Report

Thu Jun 8, 1995 8:23:18 am

/DATA/GC11/RESULT/G11W18055.RES
/DATA/GC11/METHOD/PEST132.MTH

Sample: IND2A8 P8600
Injected: Thu Jun 8, 1995 12:28:53 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.095	.100	5.3	94.7
8.16	ALPHA-BHC	.021	.020	5.6	105.6
9.41	GAMMA-BHC	.020	.020	.1	99.9
10.03	HEPTACHLOR	.024	.020	17.7	117.7
10.88	ALDRIN	.020	.020	2.4	97.6
11.74	BETA-BHC	.021	.020	6.8	106.8
12.49	DELTA-BHC	.021	.020	4.3	104.3
13.12	HEPTACHLOR EPOXIDE	.020	.020	.7	99.3
13.99	ENDOSULFAN I	.021	.020	5.8	105.8
14.14	GAMMA-CHLORDANE	.021	.020	6.1	106.1
14.39	ALPHA-CHLORDANE	.020	.020	1.0	101.0
14.63	4,4'-DDE	.044	.040	9.0	109.0
15.17	DIELDRIN	.042	.040	4.8	104.8
15.86	ENDRIN	.041	.040	2.6	102.6
17.18	4,4'-DDD	.038	.040	4.8	95.2
17.41	ENDOSULFAN II	.039	.040	1.6	98.4
17.73	4,4'-DDT	.045	.040	12.0	112.0
18.74	ENDRIN ALDEHYDE	.042	.040	4.7	104.7
19.79	METHOXYCHLOR/ENDO SULFATE	.257	.240	7.0	107.0
21.11	ENDRIN KETONE	.042	.040	3.9	103.9
25.42	DCB	.107	.100	7.1	107.1

PACE, Incorporated
Continuing Calibration Report

Thu Jun 8, 1995 8:21:33 am

/DATA/GC01/RESULT/G1W18055.RES
/DATA/GC01/METHOD/PEST132.MTH

Sample: IND2AB P8600
Injected: Thu Jun 8, 1995 12:28:53 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.102	.100	1.7	101.7
8.22	ALPHA-BHC	.020	.020	2.3	97.7
9.48	GAMMA-BHC	.020	.020	2.4	97.6
9.75	BETA-BHC	.020	.020	1.4	98.6
10.76	HEPTACHLOR	.021	.020	5.4	103.4
10.94	DELTA-BHC	.019	.020	2.8	97.2
11.87	ALDRIN	.020	.020	1.3	101.3
13.74	HEPTACHLOR EPOXIDE	.020	.020	2.5	102.5
14.40	GAMMA-CHLORDANE	.021	.020	5.7	105.7
14.95	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	3.5	103.5
15.76	4,4'-DDE	.042	.040	5.9	105.9
16.00	DIELDRIN	.042	.040	6.0	106.0
17.16	ENDRIN	.041	.040	2.2	102.2
17.64	4,4'-DDD	.040	.040	1.1	101.1
17.80	ENDOSULFAN II	.043	.040	6.7	106.7
18.70	4,4'-DDT	.044	.040	10.1	110.1
18.84	ENDRIN ALDEHYDE	.043	.040	8.3	108.3
19.39	ENDOSULFAN SULFATE	.042	.040	6.1	106.1
21.62	METHOXYCHLOR	.213	.200	6.7	106.7
21.96	ENDRIN KETONE	.043	.040	7.5	107.5
29.84	DCB	.108	.100	7.7	107.7

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:12:22 am

/DATA/GC01/RESULT/G1W18056.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 8, 1995 1:06:31 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.113	.100	12.9	112.9
14.57	AR1254	.561	.500	12.2	112.2
16.26	AR1254	.547	.500	9.5	109.5
16.80	AR1254	.543	.500	8.6	108.6
17.33	AR1254	.559	.500	11.8	111.8
18.71	AR1254	.528	.500	5.5	105.5
29.82	DCB	.110	.100	10.1	110.1

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:12:47 am

/DATA/GC11/RESULT/G11W18056.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 8, 1995 1:06:31 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.098	.100	2.3	97.7
13.49	AR1254	.518	.500	3.5	103.5
14.97	AR1254	.549	.500	9.8	109.8
15.50	AR1254	.525	.500	4.9	104.9
15.74	AR1254	.541	.500	8.2	108.2
16.85	AR1254	.506	.500	1.2	101.2
25.40	DCB	.109	.100	8.7	108.7

PACE, Incorporated
Continuing Calibration Report

Thu Jun 8, 1995 8:21:56 am

/DATA/GC01/RESULT/G1W18065.RES
/DATA/GC01/METHOD/PEST132.MTH

Sample: IND2AB P8600
Injected: Thu Jun 8, 1995 6:45:31 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.103	.100	2.9	102.9
8.24	ALPHA-BHC	.021	.020	5.8	105.8
9.50	GAMMA-BHC	.021	.020	3.6	103.6
9.77	BETA-BHC	.021	.020	5.4	105.4
10.78	HEPTACHLOR	.021	.020	2.7	102.7
10.96	DELTA-BHC	.020	.020	2.0	102.0
11.89	ALDRIN	.020	.020	.1	100.1
13.76	HEPTACHLOR EPOXIDE	.021	.020	4.3	104.3
14.42	GAMMA-CHLORDANE	.021	.020	2.7	102.7
14.97	ALPHA-CHLORDANE/ENDOSULFAN I	.042	.040	5.2	105.2
15.77	4,4'-DDE	.042	.040	6.2	106.2
16.01	DIELDRIN	.041	.040	2.6	102.6
17.18	ENDRIN	.042	.040	4.4	104.4
17.66	4,4'-DDD	.040	.040	1.1	101.1
17.82	ENDOSULFAN II	.041	.040	3.1	103.1
18.71	4,4'-DDT	.045	.040	11.4	111.4
18.86	ENDRIN ALDEHYDE	.044	.040	10.2	110.2
19.40	ENDOSULFAN SULFATE	.044	.040	10.1	110.1
21.64	METHOXYCHLOR	.223	.200	11.4	111.4
21.98	ENDRIN KETONE	.042	.040	5.7	105.7
29.88	DCB	.109	.100	8.8	108.8

PACE, Incorporated
Continuing Calibration Report

Thu Jun 8, 1995 8:23:39 am

/DATA/GC11/RESULT/G11W18065.RES
/DATA/GC11/METHOD/PEST132.MTH

Sample: IND2AB P8600
Injected: Thu Jun 8, 1995 6:45:31 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.108	.100	7.6	107.6
8.17	ALPHA-BHC	.022	.020	7.9	107.9
9.43	GAMMA-BHC	.020	.020	.4	100.4
10.05	HEPTACHLOR	.023	.020	14.7	114.7
10.90	ALDRIN	.021	.020	5.3	105.3
11.75	BETA-BHC	.020	.020	.5	100.5
12.50	DELTA-BHC	.022	.020	8.3	108.3
13.13	HEPTACHLOR EPOXIDE	.022	.020	7.6	107.6
14.00	ENDOSULFAN I	.022	.020	9.7	109.7
14.15	GAMMA-CHLORDANE	.021	.020	3.2	103.2
14.40	ALPHA-CHLORDANE	.022	.020	8.1	108.1
14.64	4,4'-DDE	.042	.040	5.7	105.7
15.19	DIELDRIN	.040	.040	.9	100.9
15.87	ENDRIN	.043	.040	8.7	108.7
17.20	4,4'-DDD	.040	.040	.2	100.2
17.43	ENDOSULFAN II	.042	.040	4.6	104.6
17.74	4,4'-DDT	.049	.040	22.4	122.4
18.76	ENDRIN ALDEHYDE	.043	.040	7.1	107.1
19.80	METHOXYCHLOR/ENDO SULFATE	.283	.240	17.8	117.8
21.13	ENDRIN KETONE	.042	.040	5.5	105.5
25.44	OCB	.109	.100	8.8	108.8

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:34:14 am

/DATA/GC01/RESULT/G1W18066.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 8, 1995 7:23:09 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.115	.100	15.4	115.4
14.59	AR1254	.561	.500	12.3	112.3
16.28	AR1254	.562	.500	12.3	112.3
16.83	AR1254	.540	.500	7.9	107.9
17.35	AR1254	.548	.500	9.6	109.6
18.73	AR1254	.543	.500	8.7	108.7
29.85	DCB	.113	.100	12.7	112.7

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:34:33 am

/DATA/GC11/RESULT/G11W18066.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 8, 1995 7:23:09 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.113	.100	13.4	113.4
13.50	AR1254	.571	.500	14.2	114.2
15.00	AR1254	.561	.500	12.1	112.1
15.51	AR1254	.536	.500	7.3	107.3
15.76	AR1254	.561	.500	12.3	112.3
16.87	AR1254	.542	.500	8.4	108.4
25.42	DCB	.111	.100	10.9	110.9

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:46:23 am

/DATA/GC01/RESULT/G1W18074.RES
/DATA/GC01/METHOD/PEST132_1.MTH

Sample: INDZAB P8600
Injected: Fri Jun 9, 1995 8:58:30 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.090	.100	9.8	90.2
8.27	ALPHA-BHC	.019	.020	5.6	94.4
9.53	GAMMA-BHC	.019	.020	7.5	92.5
9.80	BETA-BHC	.019	.020	5.2	94.8
10.81	HEPTACHLOR	.018	.020	7.7	92.3
11.00	DELTA-BHC	.018	.020	9.3	90.7
11.92	ALDRIN	.018	.020	9.9	90.1
13.80	HEPTACHLOR EPOXIDE	.019	.020	4.7	95.3
14.45	GAMMA-CHLORDANE	.019	.020	5.1	94.9
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	2.8	97.2
15.81	4,4'-DDE	.039	.040	1.5	98.5
16.05	DIELDRIN	.038	.040	4.5	95.5
17.21	ENDRIN	.036	.040	11.0	89.0
17.69	4,4'-DDD	.037	.040	7.7	92.3
17.85	ENDOSULFAN II	.040	.040	.1	99.9
18.74	4,4'-DDT	.041	.040	2.6	102.6
18.89	ENDRIN ALDEHYDE	.040	.040	.7	99.3
19.43	ENDOSULFAN SULFATE	.041	.040	1.9	101.9
21.67	METHOXYCHLOR	.201	.200	.5	100.5
22.01	ENDRIN KETONE	.041	.040	1.4	101.4
29.93	OCB	.101	.100	.6	100.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:45:47 am

/DATA/GC11/RESULT/G11W18074.RES
/DATA/GC11/METHOD/PEST132_1.MTH

Sample: IND2AB P8600
Injected: Fri Jun 9, 1995 8:58:30 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.092	.100	8.1	91.9
8.20	ALPHA-BHC	.019	.020	2.5	97.5
9.46	GAMMA-BHC	.017	.020	16.4	83.6
10.08	HEPTACHLOR	.018	.020	8.1	91.9
10.93	ALDRIN	.018	.020	7.6	92.4
11.78	BETA-BHC	.018	.020	9.6	90.4
12.54	DELTA-BHC	.019	.020	3.8	96.2
13.16	HEPTACHLOR EPOXIDE	.019	.020	4.3	95.7
14.04	ENDOSULFAN I	.020	.020	.4	99.6
14.18	GAMMA-CHLORDANE	.018	.020	9.2	90.8
14.43	ALPHA-CHLORDANE	.019	.020	2.7	97.3
14.67	4,4'-DDE	.039	.040	1.8	98.2
15.22	DIELDRIN	.036	.040	9.0	91.0
15.90	ENDRIN	.036	.040	9.3	90.7
17.23	4,4'-DDD	.035	.040	13.5	86.5
17.46	ENDOSULFAN II	.038	.040	5.2	94.8
17.77	4,4'-DDT	.043	.040	7.5	107.5
18.79	ENDRIN ALDEHYDE	.038	.040	5.7	94.3
19.83	METHOXYCHLOR/ENDO SULFATE	.222	.240	7.4	92.6
21.16	ENDRIN KETONE	.039	.040	2.5	97.5
25.48	DCB	.100	.100	.1	99.9

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 8:44:52 am

/DATA/GC01/RESULT/G1W18110.RES
/DATA/GC01/METHOD/PEST132A.MTH

Sample: IND2AB P8675
Injected: Mon Jun 12, 1995 8:27:06 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.102	.100	2.0	102.0
8.25	ALPHA-BHC	.019	.020	5.8	94.2
9.51	GAMMA-BHC	.019	.020	3.1	96.9
9.78	BETA-BHC	.020	.020	1.8	98.2
10.79	HEPTACHLOR	.019	.020	4.3	95.7
10.97	DELTA-BHC	.019	.020	4.0	96.0
11.90	ALDRIN	.020	.020	.5	99.5
13.77	HEPTACHLOR EPOXIDE	.020	.020	1.4	101.4
14.43	GAMMA-CHLORDANE	.021	.020	4.2	104.2
14.98	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	2.4	102.4
15.79	4,4'-DDE	.041	.040	3.1	103.1
16.03	DIELDRIN	.042	.040	4.2	104.2
17.19	ENDRIN	.037	.040	7.8	92.2
17.67	4,4'-DDD	.039	.040	1.5	98.5
17.83	ENDOSULFAN II	.042	.040	4.7	104.7
18.73	4,4'-DDT	.044	.040	10.6	110.6
18.87	ENDRIN ALDEHYDE	.046	.040	14.3	114.3
19.42	ENDOSULFAN SULFATE	.042	.040	5.9	105.9
21.66	METHOXYCHLOR	.211	.200	5.3	105.3
22.00	ENDRIN KETONE	.044	.040	10.0	110.0
29.91	DCB	.105	.100	5.3	105.3

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 8:45:13 am

/DATA/GC11/RESULT/G11W18110.RES
/DATA/GC11/METHOD/PEST132A.MTH

Sample: INDZAB P8675
Injected: Mon Jun 12, 1995 8:27:06 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.101	.100	.6	100.6
8.19	ALPHA-BHC	.019	.020	2.6	97.4
9.44	GAMMA-BHC	.020	.020	.0	100.0
10.06	HEPTACHLOR	.023	.020	15.4	115.4
10.91	ALDRIN	.020	.020	.3	99.7
11.77	BETA-BHC	.021	.020	4.9	104.9
12.52	DELTA-BHC	.019	.020	2.5	97.5
13.14	HEPTACHLOR EPOXIDE	.020	.020	.7	100.7
14.02	ENDOSULFAN I	.020	.020	1.9	101.9
14.17	GAMMA-CHLORDANE	.021	.020	6.0	106.0
14.41	ALPHA-CHLORDANE	.020	.020	1.8	101.8
14.66	4,4'-DDE	.042	.040	5.0	105.0
15.20	DIELDRIN	.042	.040	4.0	104.0
15.89	ENDRIN	.036	.040	10.0	90.0
17.21	4,4'-DDD	.039	.040	3.7	96.3
17.44	ENDOSULFAN II	.041	.040	2.3	102.3
17.75	4,4'-DDT	.044	.040	11.0	111.0
18.77	ENDRIN ALDEHYDE	.045	.040	12.5	112.5
19.81	METHOXYCHLOR/ENDO SULFATE	.256	.240	6.5	106.5
21.14	ENDRIN KETONE	.043	.040	6.4	106.4
25.46	DCB	.105	.100	4.8	104.8

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 9:53:30 am

/DATA/GC01/RESULT/G1W18111.RES
/DATA/GC01/METHOD/PCB12540600.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 12, 1995 9:04:48 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.112	.100	11.7	111.7
14.60	AR1254	.561	.500	12.2	112.2
16.29	AR1254	.551	.500	10.3	110.3
16.84	AR1254	.545	.500	9.1	109.1
17.36	AR1254	.562	.500	12.4	112.4
18.74	AR1254	.537	.500	7.4	107.4
29.91	DCB	.111	.100	11.3	111.3

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 9:54:02 am

/DATA/GC11/RESULT/G11W18111.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Mon Jun 12, 1995 9:04:48 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.109	.100	9.1	109.1
13.51	AR1254	.543	.500	8.7	108.7
15.00	AR1254	.556	.500	11.3	111.3
15.52	AR1254	.525	.500	5.0	105.0
15.77	AR1254	.550	.500	10.1	110.1
16.88	AR1254	.506	.500	1.1	101.1
25.45	DCB	.108	.100	8.1	108.1

PACE, INCORPORATED
GC Instrument Run Log

0000025

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
3/8/95	185	61111417389	AR1248 0.05 ppm P8493	N	N	pest125	112/110	611110308
			390 AR1248 0.2 ppm P8495					
			391 AR1248 0.5 ppm P8496					
			392 AR1248 1.0 ppm P8497					
			393 AR1248 2.0 ppm P8498					
			394 AR1254 0.05 ppm P8499					
			395 AR1254 0.2 ppm P8501					
			396 AR1254 0.5 ppm P8502					
			397 AR1254 1.0 ppm P8503					
			398 AR1254 2.0 ppm P8504					
			399 AR1660 0.05 ppm P8505					
			400 AR1660 0.2 ppm P8507					
			401 AR1660 0.5 ppm P8508					
			402 AR1661 1.0 ppm P8509					
			403 AR1660 2.0 ppm P8510					
			404 AR1221 0.2 ppm P8520					
			405 AR1232 0.1 ppm P8486					
3/9/95	185	406	INDZABS P8517 Test DCB					
		407	↓					
			using 32 min for GC01 DCB peak					
		408	End P8199 0.1 ppm	N	Y	pest126	112/110	611110307
		409	P8515 End 0.5 AB					
		410	P8516 1 AB					
		411	P8517 2 AB					
		412	P8518 3 AB					
		413	P8519 5 AB					
		414	43127-2 Flew Emulsion/V310/1:500 in	N	Y	Pest126		
		415	P8104 1 ppm TCX	N	Y	Pest126		
		416	AR1242 0.05 ppm P8487	N	Y	P81242036		
		417	↓ 0.2 ↓ P8489					
		418	↓ 0.5 ↓ P8490					

Not accepted due to
wrong temp. Need to
increase final time to 1.5
DCB.

0000057

PACE, INCORPORATED
GC Instrument Run Log

0000026

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-B

Date	init	result file	Sample	MI	v	Method	column	Sequence
2/9/95	(S)	G111417419	AR1242 1.0ppm PB491	N	Y	PCB1242036	112110	G1110509
			420 AR1242 2.0ppm PB492			↓		
			421 AR1248 0.05 ppm PB493			PCB1248053		
			422 0.2 PB495			↓		
			423 0.5 PB496			↓		
			424 1.0 PB497			↓		
			425 2.0 PB498			↓		
3/11/95			426 AR1254 0.05 ppm PB499			PCB1254060		
			427 0.2 PB501			↓		
			428 0.5 PB502			↓		
			429 1.0 PB503			↓		
			430 2.0 PB504			↓		
			431 AR1660 0.05 ppm PB505			PCB1660025		
			432 0.2 PB507			↓		
			433 0.5 PB508			↓		
			434 1.0 PB509			↓		
			435 2.0 PB510			↓		
			436 AR1221 0.2 ppm PB520			PCB1221014		
			437 AR1232 0.1 ppm PB486	✓	✓	PCB123201		
			438 PB520 AR1221 0.2 ppm ^{CF→1-73,960} _{11-76,815}	N	Y	PCB1221014		
			439 PB401 ENDORS (for OBC only) ^{SBC→CF→1-573,820} _{11-572,670}	N	Y	Pest125		
			440 PB464 AR1221 0.2 ppm ^{CF→1-77850} ₁₁₋₇₇₀₇₅	N	Y	PCB1221014		
			441 BP4236 Pest-w	N	Y	Pest126		
			442 LSP4236 Pest-w					
			443 43159-1 Pest-w D.E.S/O316 ^{(S) data} _{BAC}					
			444 BP4237 P/P-w					
			445 LSP4237 P/P-w					
			446 43165-1 P/P-w 02/13 BAC					
			447 49001-259 P/P-w TLP Blank	✓	✓	↓		
✓	✓		448 BP4239 PCB-ms	N	Y	PCB1291060		✓
		✓	449 LSP4239 RB-ms	↓	↓	↓	✓	

FACE, INCORPORATED
GC Instrument Run Log

0000043

Circle one
CLP/PHC/OPP/HERB (P-2)

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/1/95	Ⓟ	6111W17964	Hexane	N	Y	Pest130A	112/110	S.S.
		965	↓					
		966	↓					
		967	↓					
		968	INDIAA P8600					
		969	↓					
		970	↓					
		971	↓					
6/2/95		Signal 1 = 11.7	Signal 2 = 12.4	-	-	-	-	-
6/2/95	Ⓟ	6111W17972	INDIAA P8600	-	-	Pest130A	112/110	S.S.
		973	EVAL P8556 <5% BP	N	Y	Pest131		61110602
		974	IND O-JAB P8515	CC01-MS	Y			
		975	1 P8516					
		976	2 P8600					
		977	3 P8518					
		978	5 P8519		Y			
		979	TOXAPHENE 0.511m P8567 AR1242 0.511m P8613		N	Y		
		980	1248 P8614		Y			did not find peaks 1247, 1240, 1260
		981	1257 P8615		N	Y	Pest130A	
		982	1660 P8616		N	Y		
		983	BP4317 PIP-S		N	Y		
		984	LSP4317 PIP-S					
		985	BP4316 PIP-W					
		986	LSP4316 PIP-W					
		987	44165-19 PIP-S		Y			
		988	20					
		989	21					
		990	22					
		991	23					
		992	24					
		993	IND O-JAB P8600	GC01-ED, EA GC01-DOT, EA	N	Y		

PACE, INCORPORATED
GC Instrument Run Log

0000044

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/2/95	PL	6/11W17995	AR 1242 0.500m P8613	did not	quant	Pest131	112/110	G1/110602
		996	1248 P8614	did not	quant			
		997	1254 P8615	Gc1-11/16	Y			
		998	1660 P8616	did not	quant			
		999	44165-25 P/P-S		N	Y		
		18001	-26		N			
		2	-27	Gc11-M1	Y			
		3	44125-9		N			
		4	-10		N			
		5	-11	Gc11-M1	N			
		6	44165-28 P/P-W	Gc1-m2	Y			
		7	IND 2AB P8600		N			
		8	AR 1254 0.500m P8615		N	Y		
6/6/95	PL	-	sig 1-16 sig 2-12	-	-	-	-	-
6/6/95	PL	G1/11 W18009	P8556 0.1 ppm Eval		N	Y	Pest131	112/110
		010	P8515 IND 0.5AB					
		011	P8516 1AB					
		012	P8600 2AB	Gc1-11/16 Gc1-11/16	N	Y		
		013	P8518 3AB		N	Y		
		014	P8519 5AB					
		015	P8507 0.5PPM TOX					
		016	AR1242 0.5PPM P8613					
		017	AR1248 P8614					
		018	AR1254 P8615					
6/7/95		019	AR1660 P8616					
		020	BP4322 P/P-LS		N	Y		
		021	44280-1 P/P-LS WJ01 VG/B	with 1:20 diln	N	Y		
		022	-2	with 1:50 diln				
		023	-3	with 1:100 diln				
		024	-4	with 1:100 diln				
		025	-5		N	Y		

} need dilutions.

PACE, INCORPORATED
GC Instrument Run Log

0000045

Circle one:
CLP/PHC/OPP/HERB (P-2)

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/7/95	(P)	G111W1602C	44280-6 P/P-LS L/N01 V6/B	N	N	PestH31	12/110	G1110506
		027	-7					
		028	-8					
		029	-9					
		030	IND 2AB P8600	N	Y			
		031	AR1242 0.5PPM P8613					
		032	AR1248 P8614					
		033	AR1254 P8615					
		034	44280-10 P/P-LS L/N01 V6/B	N	V			
		035	-11					
		036	-12					
1/7/95	(P)	037	P8576 0.1PPM EVAL	N	Y	PestH32		G1110607
		038	P8576 IND 0.5AB					
		039	P8577 1AB					
		040	P8600 2AB					
		041	P8578 3AB					
		042	P8579 5AB					
		043	P8527 0.5PPM TOX					
		044	AR1254 0.5PPM P8668	N	Y	PCB1291060A		
		045	BP4322 SCC P/P-LS	N	Y	PestH32		
		046	LSP4322 P/P-LS					
		047	LSP4322 SCC P/P-LS					
		048	BP4320 P/P-W					
		049	LSP4320 P/P-W					
		050	44280-1 P/P-LS L/N01 V6/B	N	Y	(try 1:10 diln)		
		051	-2					
		052	-3					
		053	-4					
		054	-6					
6/6/95		055	IND 2AB P8600	N	Y			
		056	AR1254 0.5PPM P8668	N	Y	PCB1291060A		

0000061

PACE, INCORPORATED
GC Instrument Run Log

0000046

Circle one
CLP/PHC/OPP/HERB/P-2

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/8/95	Ⓢ	G111W18057	44280-7 P/P-LS L1N01 V6/8 S.C.	N	Y	PostH32	112/110	G1110607
		058	-8			1:2 diln		→ needs further dilution
		059	-9			(1:5 diln) S.C.		PostH32
		060	-10			1:5 diln		→ needs further dilution
		061	-11			S.C. (MS)		Y Y
		062	-12			S.C.		N Y
		063	-13 P/P-W L1N01 V6/8					Y
		064	-14					Y
		065	IND2AB P8600			1 - all peaks 11 - 22-220 11 - 22-220		N Y
		066	AR1244 0.5PPM P8668			1 - 115110/113 11 - 115110/111		N Y PCB129160A
		6111W18067	44280-1 P/P-LS L1N01 V6/8 1:10 diln	N	Y	PostH32		G1110608
		068	-3			1:5 diln		
		069	-4			1:25 diln		
		070	-8			1:5 diln		
		071	-10			1:100 diln		
6/8/95	Ⓢ	G111W18072	44280-1MS P/P-LS L1N01 V6/8 1:100 diln	N	N	PostH32	112/110	G1110608
		073	-1MS0					Y
6/9/95	Ⓢ	G111W18074	IND2AB P8600			1 - all peaks 11 - 22-220 11 - 22-220		N Y PostH32
		075	44280-1MS P/P-LS L1N01 V6/8 1:10 diln					Y Y
								6/8/95

FACE, INCORPORATED
GC Instrument Run Log

0000047

Circle one:
CLP/PHC/OPP/HERB (P-P)

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	Y	Method	column	Sequence
6/10/95	Ⓟ	G1111W16087	AR1294 0.5PPM P8668 all pass	N	Y	PCB129400A	112/110	G1/110609
		088	44328-5 P/P-LS L5N02 V613	N	N	PestH32A		
		089	-7					
		090	-8					
		091	-9					
		092	-10					
		093	-11					
		094	-12					
		095	-13					
		096	IN02AB P8600 all pass	N	Y	PestH32A		
		097	AR1294 0.5PPM P8668 all pass			PCB129400A		
6/12/95	Ⓟ	G1111W18098	IN03AB P8675 all pass			PestH32A		
		099	AR1294 0.5PPM P8668 all pass			PCB129400A		
	Signal 1=18.0 Signal 2=12.8	100	44328 44328-1 P/P-LS L5N02 V613 1:20 diln	N	Y	PestH32A		G1/110612
		101	-4					
		102	-5			N (fm 1:50 diln)		
		103	-6			N (fm 1:1000 diln)		
		104	-7			N (fm 1:25 diln)		
		105	-8			Y		
		106	-9			N (fm 1:200 diln)		
		107	-10			Y		
		108	-11					
		109	-12			Y		
		110	IN03AB P8675 1-all pass 11-11-11-11-15-410	N	Y	PestH32A		
		111	AR1294 0.5PPM P8668	N		PCB129400A		
		112	44328-13 P/P-LS L5N02 V613 1:20 diln	N	N	PestH32A (fm 1:50 diln)		
		113	B24325 P/P-W L5N02	N	Y			
		114	LSP4325 P/P-W L5N02					
		115	44328-14 P/P-W L5N02 V613					
6/14/95		116	-15					
		117	-16					

PACE, INCORPORATED
GC Instrument Run Log

0000048

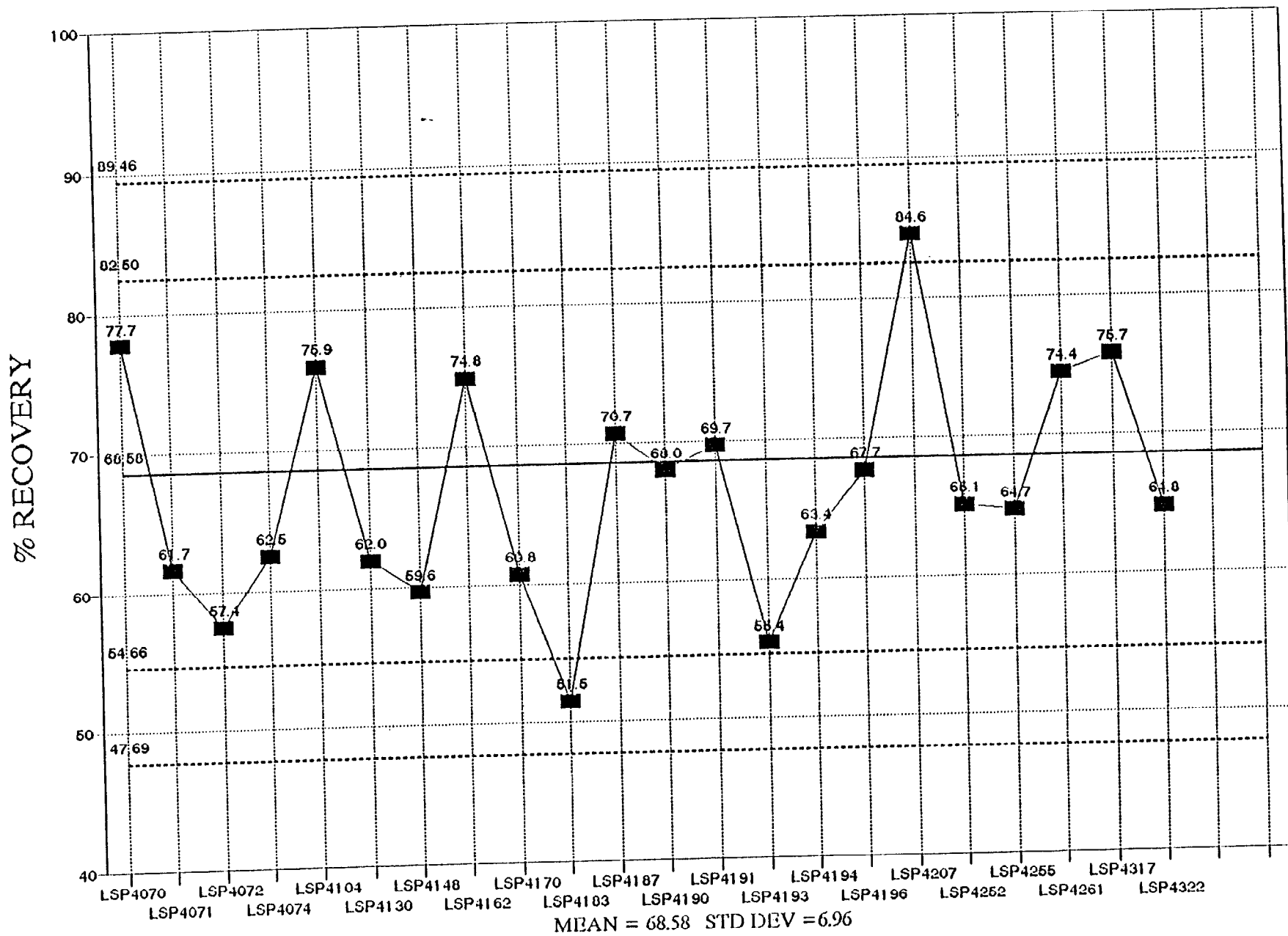
Reviewed by _____ Date _____

Circle operator
CLP/PHC/OPF/HERB/P-P

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/13/45	Ⓢ	G/11/W18/118	44328-17 P/P-W LSN02 V613	N	Y	PostH3ZA	112/110	G/11/0612
		119	LSF4322 P/P-LS R-alcant	N	Y	↓		
		120	IN02AB P8675 <small>1 - End - 1670 11 - Next - 16470 - End 16 SP</small>	N	Y	PostH3ZA		
		121	AR12M 0.5PPM P8668 all pass	N	Y	PCB1254060A		
		122	44328-1 P/P-W			PostH3ZA		
		123	44310-4 P/P-W			↓		
		124	E1269 Post Sp. & Test (downed)	N	Y	↓		
6/13/45	Ⓢ	Signal 1 = 16.8 Signal 2 = 12.4		-	-	-	-	-
		G/11/W18/125	IN02AB P8675 <small>1 - End - 1670 11 - End - 16470</small>	N	Y	PostH3ZA	112/110	S.S.
		126	AR12M 0.5PPM P8668 all pass	N	Y	PCB1254060A		↓
		127	44328-5 P/P-LS LSN02 V613 1:50diln	N	N	PostH3ZA (1:100diln)		G/11/0613
		128	-6		Y			
		129	-7		Y			
		130	-9					
		131	-13					
		132	-5					

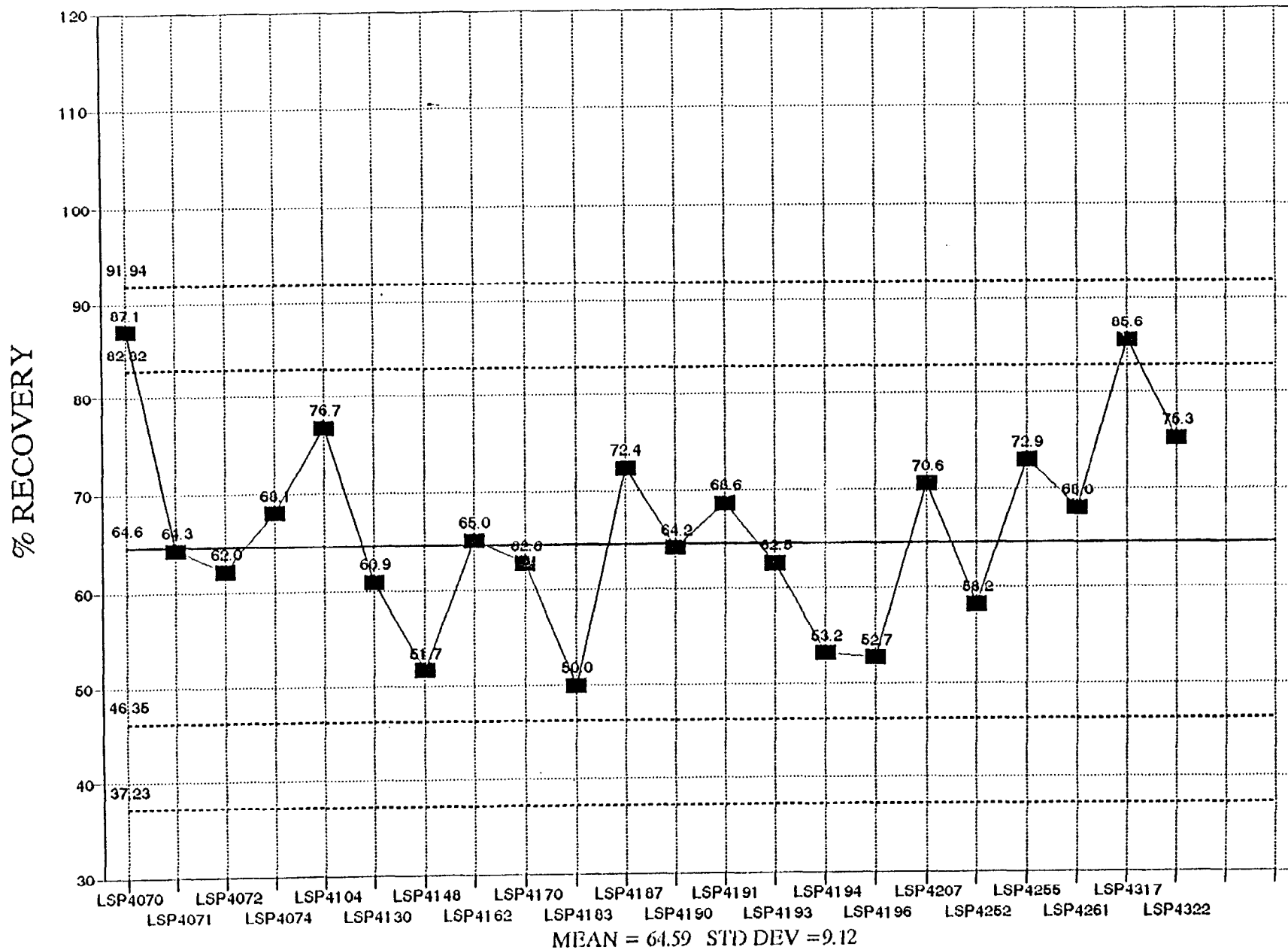
COMMERCIAL PESTICIDE SOLIDS- HEPTACHLOR

SPK REC LIMITS SET9/94-PPCBCHEPPESTS894

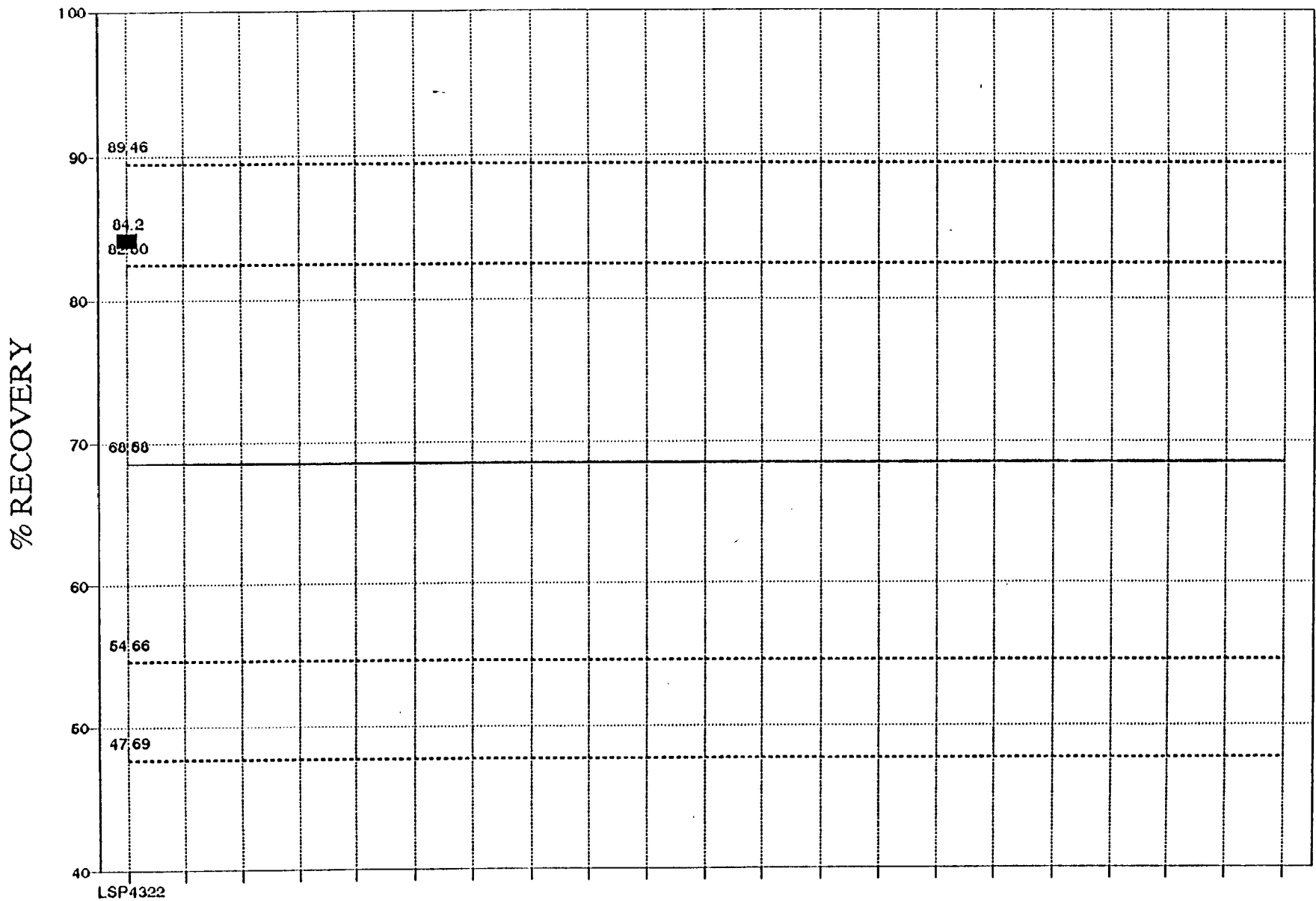


00000000

COMMERCIAL PEST. SOLIDS - ENDRIN
 SPKREC LIMITS SET4/95-PPCBCHT/PESTS994



SCC PESTICIDE SOLIDS- HEPTACHLOR
SPK REC LIMS SET6/95-PPCBCHT\PESTHSCC

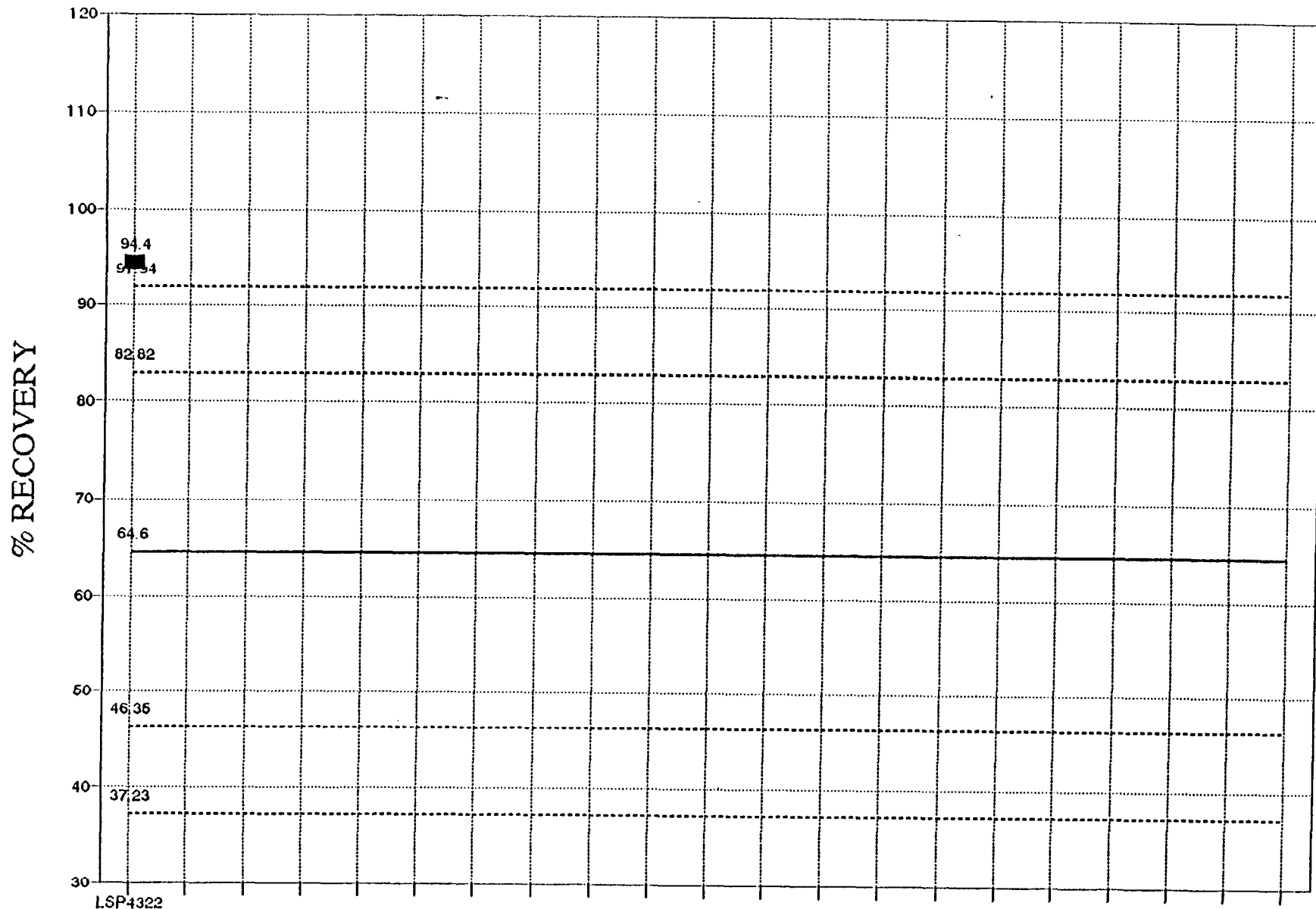


LSP4322

MEAN = 68.58 STD DEV = 6.96

0000007

SCC PEST. SOLIDS - ENDRIN
SPKREC LIMS SET6/95-PPCBCHT\PESTSSCC

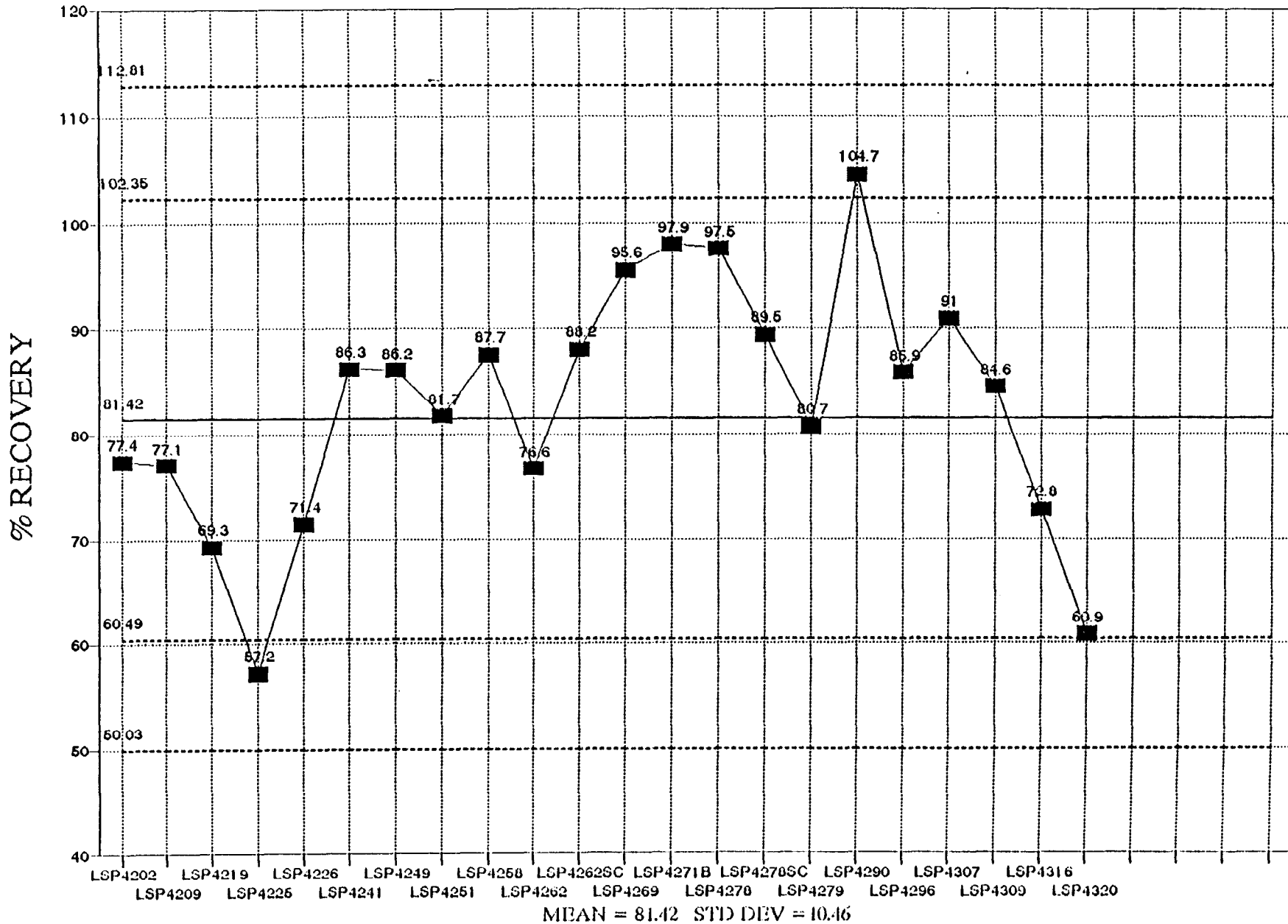


LSP4322

MEAN = 64.59 STD DEV = 9.12

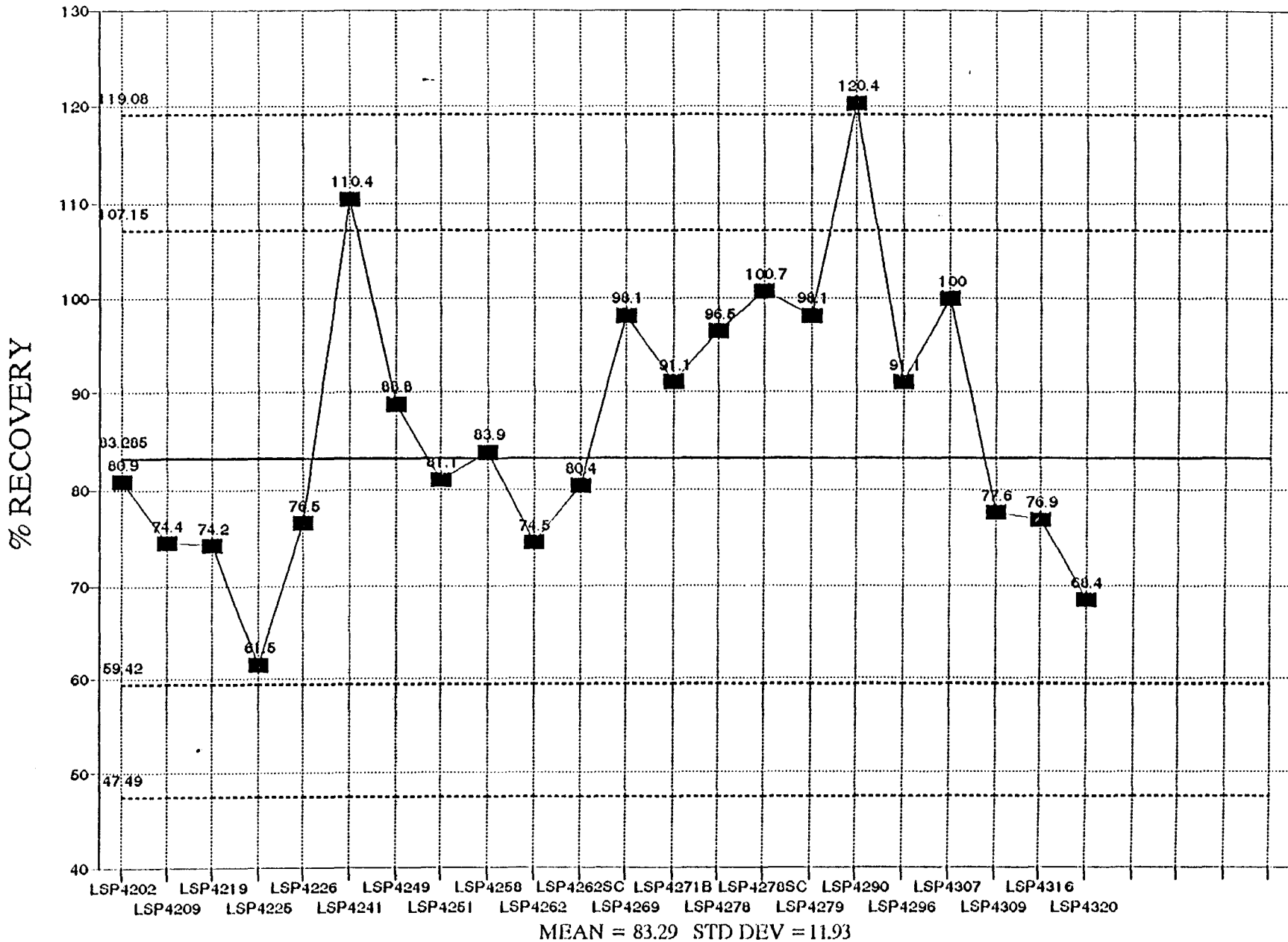
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COMMERCIAL PESTICIDE WATERS- HEPTACHLOR
 SPK REC LIMITS SET4/95-PPCBIIT\PESTW394



COMMERCIAL PESTICIDE WATERS- ENDRIN

SPK REC LIMITS SET4/95-PPCBCHT\PEST2W94



0000070



OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

135239

O.H. MATERIALS CORP.		P.O. BOX 551		FINDLAY, OH 45839-0551		419-423-3526															
PROJECT NAME <i>Camp Lejeune D.062</i>				PROJECT LOCATION <i>Camp Lejeune, NC</i>																	
PROJ. NO. <i>16866</i>		PROJECT CONTACT <i>Randy Smith</i>		PROJECT TELEPHONE NO. <i>(910)451-1809</i>																	
CLIENT'S REPRESENTATIVE				PROJECT MANAGER/SUPERVISOR <i>Jim Dunn</i>																	
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)													
								<i>9080 MTHL</i>													
								<i>44280</i>													
								REMARKS													
1	CLT62-A35-004-BC	5/30	1435		X	Base of excavation	1	X	10												
2	CLT62-A35-006-BC	5/30	1448		X	Base of excavation	1	X	11												
3	CLT62-A35-006-BC dup	5/30	1448		X	Base of excavation	1	X	12												
4	CLT62-RB	5/30	1400		X	Rinsate Blank	3	X	13												
5	CLT62-FB	5/30	1500		X	Field Blank	3	X	14												
6																					
7																					
8																					
9																					
10																					
TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY		TRANSFERS ACCEPTED BY		DATE	TIME	REMARKS													
1	1-5	<i>[Signature]</i>		<i>[Signature]</i>		6/1	13:30	<i>9/8 hr. TAT</i> <i>[Signature]</i> SAMPLER'S SIGNATURE													
2				<i>[Signature]</i>		6/9/85	0930														
3																					
4																					

0000071



OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

135238

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526																						
PROJECT NAME					PROJECT LOCATION					NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)											
Camp Lejeune D.O.62					Camp Lejeune, NC																	
PROJ. NO.		PROJECT CONTACT			PROJECT TELEPHONE NO.																	
16866		Randy Smith			(910) 451-1809																	
CLIENT'S REPRESENTATIVE					PROJECT MANAGER/SUPERVISOR					3080 MTN												
					Jim Dunn																	
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)															REMARKS	
1	CLT62-A3S-001-CS	5/30	9:20		X	side wall of excavation	1	X	1													
2	CLT62-A3S-002-CS	5/30	9:25		X	side wall of excavation	1	X	2													
3	CLT62-A3S-003-CS	5/30	1007		X	side wall of excavation	1	X	3													
4	CLT62-A3S-004-CS	5/30	1018		X	side wall of excavation	1	X	4													
5	CLT62-A3S-006-CS	5/30	1049		X	side wall of excavation	1	X	5													
6	CLT62-A3S-001-CS	5/30	1108		X	side wall of excavation	1	X	6													
7	CLT62-A3S-008-CS					side wall of excavation																
8	CLT62-A3S-009-CS	5/30	1125		X	side wall of excavation	1	X	7													
9	CLT62-A3S-001-BC	5/30	1402		X	side ^{base} wall of excavation	1	X	8													
10	CLT62-A3S-002-BC	5/30	1408		X	side ^{base} wall of excavation	1	X	9													

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-10	<i>[Signature]</i>		6/1	13:30	48 hr. TAT <i>[Signature]</i> SAMPLEE'S SIGNATURE
2			<i>[Signature]</i>	6/1	0930	
3						
4						

Final Page

0000072



REPORT OF LABORATORY ANALYSIS

June 29, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJO2
Laboratory: PACE New England - New Hampshire of Hampton, NH

Lab Numbers: 44328
Protocol: -SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on June 9, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 6/9/95 (44328): Samples were received in two coolers. A temperature blank was not included with the shipment, therefore the cooler temperatures could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Custody seals were not present on the cooler. One label discrepancy was noted upon receipt. The sample designated on the COC as "CLJ62-A3S-013-BCD" was listed as "CLJ62-A3S-013-BC" on the bottle label. Rakesh Mishra (OHM) was contacted by Gretchen Franzheim (PACE) about this discrepancy. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A2S-002-CSD".

Pesticide/PCB Analysis: The method calibration for pesticides had a high % difference for the following analytes:

<u>Result File</u>	<u>Compound</u>
G11W18074	Gamma-BHC 16.4%
G1W18125	Endrin 20.4%
G11W18125	Endrin 20.7%
G1W18135	Endrin 23.2%
G11W18135	Endrin 23.3%

Sample data quality is unaffected as the analytes were not quantitated against these standards.

The samples designated "CLJ62-A2S-002-CS" and "CLJ62-A2S-002-CSD" (laboratory numbers 44328-5 and -6) required four reports each. The PCB's were reported from the original sample, and the pesticides were reported from the diluted sample. These samples were also re-extracted, and the same method of reporting was utilized.

All of the samples that required dilutions have two separate reports. The undiluted extract is reported for only PCB's, and the diluted extract is reported for only pesticides.



REPORT OF LABORATORY ANALYSIS

SDG Narrative
Case: OHMRC, SDG: LJN02

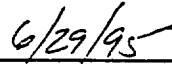
The matrix spike recoveries were non-calculable due to the large dilution of the unspiked and spiked samples.

Statement of Compliance and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



June 29, 1995



ENVIRONMENTAL LABORATORIES

NEW ENGLAND - NEW HAMPSHIRE LABORATORY
SAMPLE RECEIPT CONDITION REPORT

Tel. (603) 926-7777
FAX (603) 926-7939

LAB# 44328

PAGE 1 of 2
COOLER 1 of 2
COC#
SDG# LFN#2
CASE# DMRC

CLIENT P.H.M. Corporation

DATE/TIME RECEIVED 6/9/95 1135

LIMS ENTRY BY GMF

DELIVERED BY Lid E/L

TRANSCRIPTION REVIEW BY GMF

RECEIVED BY HLX

LIMS REVIEW BY/PM GMF

	NA	YES	EXCEPTION	COMMENT	RESOLUTION			
1. CUSTODY SEALS PRESENT/INTACT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No Seal</u>				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
3. CHAIN OF CUSTODY SIGNED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
4. CHAIN OF CUSTODY MATCHES SAMPLES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
5. SAMPLES RECEIVED AT 2° - 6° C Ice/Ice Packs Present? <input checked="" type="checkbox"/> or N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No Temp Blank</u>				
6. VOLATILES FREE OF HEAD SPACE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
7. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8. PROPER SAMPLE CONTAINERS AND VOLUME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
9. SAMPLES WITHIN HOLD TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
10. SAMPLES PROPERLY PRESERVED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
11. ANALYTICAL PROGRAMS (circle one)	COMMERCIAL	CLP	EPA-CLP	NYASP	NJ ISRA	<u>NEESA</u>	AFCEE	Other
12. NUMBER OF PACE FILTRATIONS:	_____							
13. CORRECTIVE ACTIONS REPORT #	_____							

Log-in Notes:

Rec # 44328-12 = Cyl = CLJG2-A35-013-BCD
Seal = CLJG2-A35-013-BC

CLIENT AUTHORIZATION SIGNATURE _____

DATE _____



NEW ENGLAND - NEW HAMPSHIRE LABORATORY
 SAMPLE RECEIPT CONDITION REPORT
 Tel. (603) 926-7777
 FAX (603) 926-7939

LAB# 44328

PAGE 2 of 2
 COOLER 2 of 2
 COC# _____
 SDG# LJN02
 CASE# OHMRC

CLIENT O.H.M. Corporation
 DATE/TIME RECEIVED 6/9/95 1135
 DELIVERED BY [Signature]
 RECEIVED BY [Signature]

LIMS ENTRY BY [Signature]
 TRANSCRIPTION REVIEW BY [Signature]
 LIMS REVIEW BY/PM [Signature]

	NA	YES	EXCEPTION	COMMENT	RESOLUTION			
1. CUSTODY SEALS PRESENT/INTACT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No Seal</u>				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>in cooler #1</u>				
3. CHAIN OF CUSTODY SIGNED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
4. CHAIN OF CUSTODY MATCHES SAMPLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5. SAMPLES RECEIVED AT 2° - 6° C Ice/Ice Packs Present? <u>(Y)</u> or N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No temp blank</u>				
6. VOLATILES FREE OF HEAD SPACE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
7. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8. PROPER SAMPLE CONTAINERS AND VOLUME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
9. SAMPLES WITHIN HOLD TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
SAMPLES PROPERLY PRESERVED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
11. ANALYTICAL PROGRAMS (circle one)	COMMERCIAL	CLP	EPA-CLP	NYASP	NJ ISRA	<u>NEESA</u>	AFCEE	Other _____
12. NUMBER OF PACE FILTRATIONS:	_____							
13. CORRECTIVE ACTIONS REPORT #	_____							

Log-in Notes:

CLIENT AUTHORIZATION SIGNATURE _____ DATE _____

SAMPLE TABLE

CLIENT ID.	MATRIX	PAGE #	PARAMETERS
CLJ62-A4S-001-BC	SOLID	44328-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A4S-001-CS	SOLID	44328-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A4S-001-CSD	SOLID	44328-003	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-011-CS	SOLID	44328-004	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-002-CS	SOLID	44328-005	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-002-CSD *SQC*	SOLID	44328-006	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-015-CS	SOLID	44328-007	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-014-BC	SOLID	44328-008	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-014-CS	SOLID	44328-009	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-015-BC	SOLID	44328-010	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-015-BCD	SOLID	44328-011	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-013-BCD	SOLID	44328-012	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-012-CS	SOLID	44328-013	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3-RB	WATER	44328-014	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A4-RB	WATER	44328-015	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2-RB	WATER	44328-016	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-FB	WATER	44328-017	PCBS

SAMPLE TABLE
(CONTINUED)

CLIENT ID.	MATRIX	PACE #	PARAMETERS
-----	-----	-----	-----
CLJ62-FB	WATER	44328-017	ORGANOCHLORINE PESTICIDES

Laboratory number: 44328-001
Sample Designation: CLJ62-A4S-001-BC
Date Extracted: 06/09/95
Date Analyzed: 06/09/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 19 % , elevating the reporting limits
by a factor of 1.23 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-001DL
 Sample Designation: CLJ62-A4S-001-BC
 Date Extracted: 06/09/95
 Date Analyzed: 06/12/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 19 % , elevating the reporting limits
 by a factor of 1.23 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	80
alpha-BHC	BDL	80
beta-BHC	BDL	80
gamma-BHC (Lindane)	BDL	80
delta-BHC	BDL	80
alpha-Chlordane	BDL	80
gamma-Chlordane	BDL	80
4,4'-DDT	1300	200
4,4'-DDE	950	80
4,4'-DDD	140 J	200
Dieldrin	360	80
Endosulfan I	BDL	80
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	80
Endrin aldehyde	BDL	200
Heptachlor	BDL	80
Heptachlor Epoxide	BDL	80
Toxaphene	BDL	3000
Endrin Ketone	BDL	200
Methoxychlor	BDL	800

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-002
 Sample Designation: CLJ62-A4S-001-CS
 Date Extracted: 06/09/95
 Date Analyzed: 06/09/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 12 % , elevating the reporting limits
 by a factor of 1.13 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	4
alpha-BHC	BDL	4
beta-BHC	BDL	4
gamma-BHC (Lindane)	BDL	4
delta-BHC	BDL	4
alpha-Chlordane	BDL	4
gamma-Chlordane	BDL	4
4,4'-DDT	11	7
4,4'-DDE	18	4
4,4'-DDD	BDL	7
Dieldrin	BDL	4
Endosulfan I	BDL	4
Endosulfan II	BDL	7
Endosulfan sulfate	BDL	7
Endrin	BDL	4
Endrin aldehyde	BDL	7
Heptachlor	BDL	4
Heptachlor Epoxide	BDL	4
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40
Toxaphene	BDL	100
Endrin Ketone	BDL	7
Methoxychlor	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit



Laboratory number: 44328-003
 Sample Designation: CLJ62-A4S-001-CSD
 Date Extracted: 06/09/95
 Date Analyzed: 06/09/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 10 % , elevating the reporting limits
 by a factor of 1.11 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	4
alpha-BHC	BDL	4
beta-BHC	BDL	4
gamma-BHC (Lindane)	BDL	4
delta-BHC	BDL	4
alpha-Chlordane	BDL	4
gamma-Chlordane	BDL	4
4,4'-DDT	33	7
4,4'-DDE	48	4
4,4'-DDD	BDL	7
Dieldrin	BDL	4
Endosulfan I	BDL	4
Endosulfan II	BDL	7
Endosulfan sulfate	BDL	7
Endrin	BDL	4
Endrin aldehyde	BDL	7
Heptachlor	BDL	4
Heptachlor Epoxide	BDL	4
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40
Toxaphene	BDL	100
Endrin Ketone	BDL	7
Methoxychlor	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

Laboratory number: 44328-004
Sample Designation: CLJ62-A3S-011-CS
Date Extracted: 06/09/95
Date Analyzed: 06/09/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 11 % , elevating the reporting limits
by a factor of 1.12 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-004DL
Sample Designation: CLJ62-A3S-011-CS
Date Extracted: 06/09/95
Date Analyzed: 06/12/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 11 % , elevating the reporting limits
by a factor of 1.12 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	70
alpha-BHC	BDL	70
beta-BHC	BDL	70
gamma-BHC (Lindane)	BDL	70
delta-BHC	BDL	70
alpha-Chlordane	BDL	70
gamma-Chlordane	BDL	70
4,4'-DDT	920	100
4,4'-DDE	36 J	70
4,4'-DDD	390	100
Dieldrin	BDL	70
Endosulfan I	BDL	70
Endosulfan II	BDL	100
Endosulfan sulfate	BDL	100
Endrin	BDL	70
Endrin aldehyde	BDL	100
Heptachlor	BDL	70
Heptachlor Epoxide	BDL	70
Toxaphene	BDL	3000
Endrin Ketone	BDL	100
Methoxychlor	BDL	700

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit
J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-005
Sample Designation: CLJ62-A2S-002-CS
Date Extracted: 06/09/95
Date Analyzed: 06/14/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 11 % , elevating the reporting limits
by a factor of 1.12 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	510	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-005RE
Sample Designation: CLJ62-A2S-002-CS
Date Extracted: 06/14/95
Date Analyzed: 06/16/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 11 % , elevating the reporting limits
by a factor of 1.12 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	400	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-005DL
 Sample Designation: CLJ62-A2S-002-CS
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 11 % , elevating the reporting limits
 by a factor of 1.12 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	400
alpha-BHC	BDL	400
beta-BHC	BDL	400
gamma-BHC (Lindane)	BDL	400
delta-BHC	BDL	400
alpha-Chlordane	260 J	400
gamma-Chlordane	220 J	400
4,4'-DDT	1600	700
4,4'-DDE	450	400
4,4'-DDD	6000	700
Dieldrin	BDL	400
Endosulfan I	BDL	400
Endosulfan II	BDL	700
Endosulfan sulfate	BDL	700
Endrin	BDL	400
Endrin aldehyde	BDL	700
Heptachlor	BDL	400
Heptachlor Epoxide	BDL	400
Toxaphene	BDL	10000
Endrin Ketone	BDL	700
Methoxychlor	BDL	4000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-005RDL
 Sample Designation: CLJ62-A2S-002-CS
 Date Extracted: 06/14/95
 Date Analyzed: 06/15/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 11 % , elevating the reporting limits
 by a factor of 1.12 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	400
alpha-BHC	BDL	400
beta-BHC	BDL	400
gamma-BHC (Lindane)	BDL	400
delta-BHC	BDL	400
alpha-Chlordane	280 J	400
gamma-Chlordane	240 J	400
4,4'-DDT	3000	700
4,4'-DDE	520	400
4,4'-DDD	4300	700
Dieldrin	BDL	400
Endosulfan I	BDL	400
Endosulfan II	BDL	700
Endosulfan sulfate	BDL	700
Endrin	BDL	400
Endrin aldehyde	BDL	700
Heptachlor	BDL	400
Heptachlor Epoxide	BDL	400
Toxaphene	BDL	10000
Endrin Ketone	BDL	700
Methoxychlor	BDL	4000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-006
Sample Designation: CLJ62-A2S-002-CSD
Date Extracted: 06/09/95
Date Analyzed: 06/14/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 12 % , elevating the reporting limits
by a factor of 1.13 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	1200	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-006RE
Sample Designation: CLJ62-A2S-002-CSD
Date Extracted: 06/14/95
Date Analyzed: 06/16/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 12 % , elevating the reporting limits
by a factor of 1.13 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	200
PCB-1254 (Arochlor 1254)	BDL	200
PCB-1221 (Arochlor 1221)	BDL	200
PCB-1232 (Arochlor 1232)	BDL	200
PCB-1248 (Arochlor 1248)	BDL	200
PCB-1260 (Arochlor 1260)	3200	200
PCB-1016 (Arochlor 1016)	BDL	200

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-006DL
 Sample Designation: CLJ62-A2S-002-CSD
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 12 % , elevating the reporting limits
 by a factor of 1.13 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	4000
alpha-BHC	BDL	4000
beta-BHC	BDL	4000
gamma-BHC (Lindane)	BDL	4000
delta-BHC	BDL	4000
alpha-Chlordane	BDL	4000
gamma-Chlordane	BDL	4000
4,4'-DDT	61000	7000
4,4'-DDE	2600 J	4000
4,4'-DDD	13000	7000
Dieldrin	BDL	4000
Endosulfan I	BDL	4000
Endosulfan II	BDL	7000
Endosulfan sulfate	BDL	7000
Endrin	BDL	4000
Endrin aldehyde	BDL	7000
Heptachlor	BDL	4000
Heptachlor Epoxide	BDL	4000
Toxaphene	BDL	100000
Endrin Ketone	BDL	7000
Methoxychlor	BDL	40000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-006RDL
 Sample Designation: CLJ62-A2S-002-CSD
 Date Extracted: 06/14/95
 Date Analyzed: 06/15/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 . Moisture content was 12 % , elevating the reporting limits
 by a factor of 1.13 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	9000
alpha-BHC	BDL	9000
beta-BHC	BDL	9000
gamma-BHC (Lindane)	BDL	9000
delta-BHC	BDL	9000
alpha-Chlordane	BDL	9000
gamma-Chlordane	BDL	9000
4,4'-DDT	170000	20000
4,4'-DDE	5600 J	9000
4,4'-DDD	21000	20000
Dieldrin	BDL	9000
Endosulfan I	BDL	9000
Endosulfan II	BDL	20000
Endosulfan sulfate	BDL	20000
Endrin	BDL	9000
Endrin aldehyde	BDL	20000
Heptachlor	BDL	9000
Heptachlor Epoxide	BDL	9000
Toxaphene	BDL	400000
Endrin Ketone	BDL	20000
Methoxychlor	BDL	90000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-007
Sample Designation: CLJ62-A3S-015-CS
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 10 % , elevating the reporting limits
by a factor of 1.11 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

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Laboratory number: 44328-007DL
 Sample Designation: CLJ62-A3S-015-CS
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 10 % , elevating the reporting limits
 by a factor of 1.11 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	90
alpha-BHC	BDL	90
beta-BHC	BDL	90
gamma-BHC (Lindane)	BDL	90
delta-BHC	BDL	90
alpha-Chlordane	BDL	90
gamma-Chlordane	BDL	90
4,4'-DDT	98 J	200
4,4'-DDE	110	90
4,4'-DDD	1500	200
Dieldrin	BDL	90
Endosulfan I	BDL	90
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	90
Endrin aldehyde	BDL	200
Heptachlor	BDL	90
Heptachlor Epoxide	BDL	90
Toxaphene	BDL	4000
Endrin Ketone	BDL	200
Methoxychlor	BDL	900

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-008
Sample Designation: CLJ62-A3S-014-BC
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 15 % , elevating the reporting limits
by a factor of 1.17 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.



Laboratory number: 44328-008DL
Sample Designation: CLJ62-A3S-014-BC
Date Extracted: 06/09/95
Date Analyzed: 06/13/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 15 % , elevating the reporting limits
by a factor of 1.17 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	40
alpha-BHC	BDL	40
beta-BHC	BDL	40
gamma-BHC (Lindane)	BDL	40
delta-BHC	BDL	40
alpha-Chlordane	25 J	40
gamma-Chlordane	27 J	40
4,4'-DDT	350	80
4,4'-DDE	49	40
4,4'-DDD	380	80
Dieldrin	BDL	40
Endosulfan I	BDL	40
Endosulfan II	BDL	80
Endosulfan sulfate	BDL	80
Endrin	BDL	40
Endrin aldehyde	BDL	80
Heptachlor	BDL	40
Heptachlor Epoxide	BDL	40
Toxaphene	BDL	2000
Endrin Ketone	BDL	80
Methoxychlor	BDL	400

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-009
Sample Designation: CLJ62-A3S-014-CS
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 14 % , elevating the reporting limits
by a factor of 1.16 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.



Laboratory number: 44328-009DL
Sample Designation: CLJ62-A3S-014-CS
Date Extracted: 06/09/95
Date Analyzed: 06/13/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 14 % , elevating the reporting limits
by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	800
alpha-BHC	BDL	800
beta-BHC	BDL	800
gamma-BHC (Lindane)	BDL	800
delta-BHC	BDL	800
alpha-Chlordane	BDL	800
gamma-Chlordane	BDL	800
4,4'-DDT	11000	2000
4,4'-DDE	1200	800
4,4'-DDD	2500	2000
Dieldrin	BDL	800
Endosulfan I	BDL	800
Endosulfan II	BDL	2000
Endosulfan sulfate	BDL	2000
Endrin	BDL	800
Endrin aldehyde	BDL	2000
Heptachlor	BDL	800
Heptachlor Epoxide	BDL	800
Toxaphene	BDL	30000
Endrin Ketone	BDL	2000
Methoxychlor	BDL	8000

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-009RE
 Sample Designation: CLJ62-A3S-014-CS
 Date Extracted: 06/14/95
 Date Analyzed: 06/16/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	800
alpha-BHC	BDL	800
beta-BHC	BDL	800
gamma-BHC (Lindane)	BDL	800
delta-BHC	BDL	800
alpha-Chlordane	BDL	800
gamma-Chlordane	BDL	800
4,4'-DDT	15000	2000
4,4'-DDE	1500	800
4,4'-DDD	2900	2000
Dieldrin	BDL	800
Endosulfan I	BDL	800
Endosulfan II	BDL	2000
Endosulfan sulfate	BDL	2000
Endrin	BDL	800
Endrin aldehyde	BDL	2000
Heptachlor	BDL	800
Heptachlor Epoxide	BDL	800
PCB-1242 (Arochlor 1242)	BDL	8000
PCB-1254 (Arochlor 1254)	BDL	8000
PCB-1221 (Arochlor 1221)	BDL	8000
PCB-1232 (Arochlor 1232)	BDL	8000
PCB-1248 (Arochlor 1248)	BDL	8000
PCB-1260 (Arochlor 1260)	BDL	8000
PCB-1016 (Arochlor 1016)	BDL	8000
Toxaphene	BDL	30000
Endrin Ketone	BDL	2000
Methoxychlor	BDL	8000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-010
Sample Designation: CLJ62-A3S-015-BC
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 13 % , elevating the reporting limits
by a factor of 1.14 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-010DL
Sample Designation: CLJ62-A3S-015-BC
Date Extracted: 06/09/95
Date Analyzed: 06/13/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 13 % , elevating the reporting limits
by a factor of 1.14 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	80
alpha-BHC	BDL	80
beta-BHC	BDL	80
gamma-BHC (Lindane)	BDL	80
delta-BHC	BDL	80
alpha-Chlordane	BDL	80
gamma-Chlordane	BDL	80
4,4'-DDT	1000	200
4,4'-DDE	BDL	80
4,4'-DDD	950	200
Dieldrin	BDL	80
Endosulfan I	BDL	80
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	80
Endrin aldehyde	BDL	200
Heptachlor	BDL	80
Heptachlor Epoxide	BDL	80
Toxaphene	BDL	3000
Endrin Ketone	BDL	200
Methoxychlor	BDL	800

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-011
Sample Designation: CLJ62-A3S-015-BCD
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 11 % , elevating the reporting limits
by a factor of 1.12 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-011DL
 Sample Designation: CLJ62-A3S-015-BCD
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 11 % , elevating the reporting limits
 by a factor of 1.12 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	70
alpha-BHC	BDL	70
beta-BHC	BDL	70
gamma-BHC (Lindane)	BDL	70
delta-BHC	BDL	70
alpha-Chlordane	BDL	70
gamma-Chlordane	BDL	70
4,4'-DDT	390	100
4,4'-DDE	45 J	70
4,4'-DDD	630	100
Dieldrin	BDL	70
Endosulfan I	BDL	70
Endosulfan II	BDL	100
Endosulfan sulfate	BDL	100
Endrin	BDL	70
Endrin aldehyde	BDL	100
Heptachlor	BDL	70
Heptachlor Epoxide	BDL	70
Toxaphene	BDL	3000
Endrin Ketone	BDL	100
Methoxychlor	BDL	700

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44328-012
Sample Designation: CLJ62-A3S-013-BCD
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 12 % , elevating the reporting limits
by a factor of 1.14 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-012DL
 Sample Designation: CLJ62-A3S-013-BCD
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 12 % , elevating the reporting limits
 by a factor of 1.14 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	40
alpha-BHC	BDL	40
beta-BHC	BDL	40
gamma-BHC (Lindane)	BDL	40
delta-BHC	BDL	40
alpha-Chlordane	BDL	40
gamma-Chlordane	BDL	40
4,4'-DDT	420	80
4,4'-DDE	20	J 40
4,4'-DDD	590	80
Dieldrin	BDL	40
Endosulfan I	BDL	40
Endosulfan II	BDL	80
Endosulfan sulfate	BDL	80
Endrin	BDL	40
Endrin aldehyde	BDL	80
Heptachlor	BDL	40
Heptachlor Epoxide	BDL	40
Toxaphene	BDL	2000
Endrin Ketone	BDL	80
Methoxychlor	BDL	400

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-013
Sample Designation: CLJ62-A3S-012-CS
Date Extracted: 06/09/95
Date Analyzed: 06/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 15 % , elevating the reporting limits
by a factor of 1.18 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	40
PCB-1254 (Arochlor 1254)	BDL	40
PCB-1221 (Arochlor 1221)	BDL	40
PCB-1232 (Arochlor 1232)	BDL	40
PCB-1248 (Arochlor 1248)	BDL	40
PCB-1260 (Arochlor 1260)	BDL	40
PCB-1016 (Arochlor 1016)	BDL	40

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44328-013DL
 Sample Designation: CLJ62-A3S-012-CS
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 15 % , elevating the reporting limits
 by a factor of 1.18 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	200
alpha-BHC	BDL	200
beta-BHC	BDL	200
gamma-BHC (Lindane)	BDL	200
delta-BHC	BDL	200
alpha-Chlordane	BDL	200
gamma-Chlordane	BDL	200
4,4'-DDT	3100	400
4,4'-DDE	200	200
4,4'-DDD	2400	400
Dieldrin	BDL	200
Endosulfan I	BDL	200
Endosulfan II	BDL	400
Endosulfan sulfate	BDL	400
Endrin	BDL	200
Endrin aldehyde	BDL	400
Heptachlor	BDL	200
Heptachlor Epoxide	BDL	200
Toxaphene	BDL	8000
Endrin Ketone	BDL	400
Methoxychlor	BDL	2000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44328-014
 Sample Designation: CLJ62-A3-RE
 Date Extracted: 06/09/95
 Date Analyzed: 06/12/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Katone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHOD 8080

BDL = Below reporting limit

Laboratory number: 44328-015
 Sample Designation: CLJ62-A4-RB
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHOD 8080

BDL = Below reporting limit

Laboratory number: 44328-016
 Sample Designation: CLJ62-A2-RB
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3rd Edition
 ; METHOD 8080

BDL = Below reporting limit

Laboratory number: 44328-017
 Sample Designation: CLJ62-FB
 Date Extracted: 06/09/95
 Date Analyzed: 06/13/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHOD 8080

BDL = Below reporting limit

SOIL PESTICIDE SURROGATE RECOVERY

Client: OHM REMEDIATION SERVICES CORPORATION
 Project: CAMP LEJEUNE P/P
 Level: Low Soil

Lab No.: 44328

CLIENT SAMPLE NO.	S1 (TCX) #	S2 (DCB) #	OTHER	TOT OUT
CLJ62-A4S-001-BC	67	71		0
CLJ62-A4S-001-BC	0D	0D		0
CLJ62-A4S-001-CS	55	63		0
CLJ62-A4S-001-CSD	72	85		0
CLJ62-A3S-011-CS	49	60		0
CLJ62-A3S-011-CS	0D	0D		0
CLJ62-A2S-002-CS	0D	0D		0
CLJ62-A2S-002-CS	0D	0D		0
CLJ62-A2S-002-CS	0D	0D		0
CLJ62-A2S-002-CS	0D	0D		0
CLJ62-A2S-002-CSD	0D	0D		0
CLJ62-A2S-002-CSD	0D	0D		0
CLJ62-A2S-002-CSD	0D	0D		0
CLJ62-A2S-002-CSD	0D	0D		0
CLJ62-A3S-015-CS	75	93		0
CLJ62-A3S-015-CS	0D	0D		0
CLJ62-A3S-014-BC	61	74		0
CLJ62-A3S-014-BC	0D	0D		0
CLJ62-A3S-014-CS	64	66		0
CLJ62-A3S-014-CS	0D	0D		0
CLJ62-A3S-014-CS	0D	0D		0
CLJ62-A3S-015-BC	61	71		0
CLJ62-A3S-015-BC	0D	0D		0
CLJ62-A3S-015-BCD	72	82		0
CLJ62-A3S-015-BCD	0D	0D		0
CLJ62-A3S-013-BCD	57	73		0
CLJ62-A3S-013-BCD	0D	0D		0
CLJ62-A3S-012-CS	52	75		0
CLJ62-A3S-012-CS	0D	0D		0

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene 20 - 150
 S2 (DCB) = Decachlorobiphenyl 20 - 150

Column to be used to flag recovery values with an asterisk
 * Values outside of designated QC limits
 D Surrogates diluted out

SOIL PESTICIDE SURROGATE RECOVERY

Client: OHM REMEDIATION SERVICES CORPORATION
Project: CAMP LEJEUNE P/P
Level: Low Soil

Lab No.: 44328

Table with columns: CLIENT SAMPLE NO., S1 (TCX) #, S2 (DCB) #, OTHER, TOT OUT. Contains sample data for B-P4324SCC and B-P4327.

QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene 20 - 150
S2 (DCB) = Decachlorobiphenyl 20 - 150

Column to be used to flag recovery values with an asterisk
* Values outside of designated QC limits
D Surrogates diluted out

WATER PESTICIDE SURROGATE RECOVERY

Client: OHM REMEDIATION SERVICES CORPORATION
 Project: CAMP LEJEUNE P/P

Lab No.: 44328

CLIENT SAMPLE NO.	S1 (TCX) #	S2 (DCB) #	OTHER	TOT OUT
CLJ62-A3-RB	69	61		0
CLJ62-A4-RB	59	54		0
CLJ62-A2-RB	56	57		0
CLJ62-FB	71	43		0
BP4325	73	55		0

QC LIMITS

- S1 (TCX) = Tetrachloro-m-xylene 20 - 150
- S2 (DCB) = Decachlorobiphenyl 20 - 150

Column to be used to flag recovery values with an asterisk
 * Values outside of designated QC limits
 D Surrogates diluted out



Laboratory number: B-P4324SCC
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/07/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	3
ALPHA-BHC	BDL	3
BETA-BHC	BDL	3
GAMMA-BHC	BDL	3
DELTA-BHC	BDL	3
ALPHA-CHLORDANE	BDL	3
GAMMA-CHLORDANE	BDL	3
4,4'-DDT	BDL	6
4,4'-DDE	BDL	3
4,4'-DDD	BDL	6
DIELDRIN	BDL	3
ENDOSULFAN I	BDL	3
ENDOSULFAN II	BDL	6
ENDOSULFAN SULFATE	BDL	6
ENDRIN	BDL	3
ENDRIN ALDEHYDE	BDL	6
HEPTACHLOR	BDL	3
HEPTACHLOR EPOXIDE	BDL	3
PCB-1242	BDL	30
PCB-1254	BDL	30
PCB-1221	BDL	30
PCB-1232	BDL	30
PCB-1248	BDL	30
PCB-1260	BDL	30
PCB-1016	BDL	30
TOXAPHENE	BDL	100
ENDRIN KETONE	BDL	6
METHOXYCHLOR	BDL	30

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

Laboratory number: B-P4325
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/20/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	1
PCB-1254	BDL	1
PCB-1221	BDL	1
PCB-1232	BDL	1
PCB-1248	BDL	1
PCB-1260	BDL	1
PCB-1016	BDL	1
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit

Laboratory number: B-P4327
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/15/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	3
ALPHA-BHC	BDL	3
BETA-BHC	BDL	3
GAMMA-BHC	BDL	3
DELTA-BHC	BDL	3
ALPHA-CHLORDANE	BDL	3
GAMMA-CHLORDANE	BDL	3
4,4'-DDT	BDL	6
4,4'-DDE	BDL	3
4,4'-DDD	BDL	6
DIELDRIN	BDL	3
ENDOSULFAN I	BDL	3
ENDOSULFAN II	BDL	6
ENDOSULFAN SULFATE	BDL	6
ENDRIN	BDL	3
ENDRIN ALDEHYDE	BDL	6
HEPTACHLOR	BDL	3
HEPTACHLOR EPOXIDE	BDL	3
PCB-1242	BDL	30
PCB-1254	BDL	30
PCB-1221	BDL	30
PCB-1232	BDL	30
PCB-1248	BDL	30
PCB-1260	BDL	30
PCB-1016	BDL	30
TOXAPHENE	BDL	100
ENDRIN KETONE	BDL	6
METHOXYCHLOR	BDL	30

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44328-6 MS
 Sample Designation: CLJ62-A2S-002-CSD MS
 Date Analyzed: 06/13/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	18.750	NC	NC
GAMMA-BHC	0	18.750	NC	NC
BETA-BHC	0	18.750	NC	NC
HEPTACHLOR	0	18.750	NC	NC
DELTA-BHC	0	18.750	NC	NC
ALDRIN	0	18.750	NC	NC
HEPTACHLOR EPOXIDE	0	18.750	NC	NC
4,4'-DDE	2600	18.750	2557.32	NC
DIELDRIN	0	18.750	NC	NC
ENDRIN	0	18.750	NC	NC
4,4'-DDD	13000	18.750	6551.60	NC
ENDOSULFAN II	0	18.750	NC	NC
4,4'-DDT	61000	18.750	13649.2	NC
ENDRIN ALDEHYDE	0	18.750	NC	NC
ENDOSULFAN SULFATE	0	18.750	NC	NC
METHOXYCHLOR	0	187.500	NC	NC
ENDOSULFAN I	0	18.750	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44328-6 MSD
 Sample Designation: CLJ62-A2S-002-CSD MSD
 Date Analyzed: 06/13/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2 ug/Kg FOUND	%REC- OVERY	REL. DIFF. %
ALPHA-BHC	0	18.670	NC	NC	NC
GAMMA-BHC	0	18.670	NC	NC	NC
BETA-BHC	0	18.670	NC	NC	NC
HEPTACHLOR	0	18.670	NC	NC	NC
DELTA-BHC	0	18.670	NC	NC	NC
ALDRIN	0	18.670	NC	NC	NC
HEPTACHLOR EPOXIDE	0	18.670	NC	NC	NC
4,4'-DDE	2600	18.670	2395.21	NC	26
DIELDRIN	0	18.670	NC	NC	NC
ENDRIN	0	18.670	NC	NC	NC
4,4'-DDD	13000	18.670	4961.13	NC	7
ENDOSULFAN II	0	18.670	NC	NC	NC
4,4'-DDT	61000	18.670	10315.7	NC	32
ENDRIN ALDEHYDE	0	18.670	NC	NC	NC
ENDOSULFAN SULFATE	0	18.670	NC	NC	NC
METHOXYCHLOR	0	186.700	NC	NC	NC
ENDOSULFAN I	0	18.670	NC	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LSP4324SCC
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 06/09/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	16.70	10.932	65
GAMMA-BHC	0	16.70	11.711	70
BETA-BHC	0	16.70	13.023	78
HEPTACHLOR	0	16.70	11.995	72
DELTA-BHC	0	16.70	13.076	78
ALDRIN	0	16.70	11.033	66
HEPTACHLOR EPOXIDE	0	16.70	13.535	81
4,4'-DDE	0	16.70	13.936	83
DIELDRIN	0	16.70	13.835	83
ENDRIN	0	16.70	14.247	85
4,4'-DDD	0	16.70	13.519	81
ENDOSULFAN II	0	16.70	11.669	70
4,4'-DDT	0	16.70	17.047	102
ENDRIN ALDEHYDE	0	16.70	9.216	55
ENDOSULFAN SULFATE	0	16.70	15.106	90
METHOXYCHLOR	0	167.00	144.532	87
ENDOSULFAN I	0	16.70	9.261	55

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4325
 Sample Designation: LABORATORY CONTROL SAMPLES
 Date Analyzed: 06/12/95
 Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.213	85
GAMMA-BHC	0	0.250	0.222	89
BETA-BHC	0	0.250	0.244	97
HEPTACHLOR	0	0.250	0.221	88
DELTA-BHC	0	0.250	0.252	101
ALDRIN	0	0.250	0.219	88
HEPTACHLOR EPOXIDE	0	0.250	0.248	99
4,4'-DDE	0	0.250	0.244	97
DIELDRIN	0	0.250	0.250	100
ENDRIN	0	0.250	0.245	98
4,4'-DDD	0	0.250	0.228	91
ENDOSULFAN II	0	0.250	0.178	71
4,4'-DDT	0	0.250	0.290	116
ENDRIN ALDEHYDE	0	0.250	0.255	102
ENDOSULFAN SULFATE	0	0.250	0.265	106
METHOXYCHLOR	0	2.500	2.675	107
ENDOSULFAN I	0	0.250	0.141	56

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LSP4327
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 06/15/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	16.70	11.251	67
GAMMA-BHC	0	16.70	11.617	70
BETA-BHC	0	16.70	12.965	78
HEPTACHLOR	0	16.70	11.799	71
DELTA-BHC	0	16.70	14.182	85
ALDRIN	0	16.70	11.653	70
HEPTACHLOR EPOXIDE	0	16.70	13.314	80
4,4'-DDE	0	16.70	13.244	79
DIELDRIN	0	16.70	12.861	77
ENDRIN	0	16.70	13.777	82
4,4'-DDD	0	16.70	12.685	76
ENDOSULFAN II	0	16.70	13.154	79
4,4'-DDT	0	16.70	13.373	80
ENDRIN ALDEHYDE	0	16.70	12.077	72
ENDOSULFAN SULFATE	0	16.70	13.968	84
METHOXYCHLOR	0	167.00	134.023	80
ENDOSULFAN I	0	16.70	12.812	77

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

1-13

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

③ pm
6-9-95

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: GA5542

METHOD: SANC/3550

low

MATRIX: SOLID

low-S

TEST / LEVEL: PEST/PC3

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	HAZG04 (g)	INTER VOL (ml)	ALIQVOT VOL (ml)	FINAL VOL (ml)
-	pm	BP4324	30.	E1353 1.0 ml	WP4324	-	60.	10.0	0.5 1.0	1.0
-	6-9-95	LSP4324	30.	2.0 pm	44328-6ms	E1259 500 ml				
1		44328-1	30.44		-6msD	N/A				
2		-1-2	30.70							
3		-3	30.03							
4		-4	30.72							
-5		-5	30.26							
6		-6	30.45							
-		-6ms	30.25			E1259 500 ml				
-		-6msD	30.39			6				
7		-7	30.56			N/A				
8		-8	30.39							
9		-9	30.46							
10		-10	30.13							
11		-11	30.86							
12		-12	30.23							
13		-13	30.12							
<p>③ 6/9/95 1A</p>										

③
pm
6-12-95
1A
6-1-95



COMMENTS: _____

0000074

PACE INCORPORATED
Organics Extraction
AQUEOUS PREP LOG

PROTOCOL: EPA SW846

SOP #: GA 5524

LOG BOOK NO: 2

METHOD: C0NT/3520 SEPF/3510

MATRIX: AQUEOUS

TEST / LEVEL: PEST/PCB /

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT VOL (L)	SURR # AMT/CONC INITIALS	LCS MS/MSD	SPIKE # AMT/CONC.	INTER VOL (ml)	ALICQUOT VOL (ml)	FINAL VOL (ml)	SENT LAB/UX
	1.19/95	RP4325	1.0	E1353 0.5 ml	43875 MS -1 MSO	N/A	10.0	1.0	1.0	SNY
		LSP4325	1.0	2.0 ppm	LSP4325	E1259 1.0 + 1.0 ppm				ATX
7		44328-14	.940			N/A				4/13/95
8		-15	.940							
9		-16	.940							
10		-17	.975							
11		44238-1	.200							
12		44316-4	.960							

COMMENTS: _____

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SCP #: GA5542

② PM 6-14-95
METHOD: SONC/3550

MATRIX: SOLID

TEST / LEVEL: PEST/PCB /

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	NA2SO4 (g)	INTER VOL (ml)	ALIQOT VOL (ml)	FINAL VOL (ml)
-	PM	BP4327	30	91353 9.0 ml	LSP4327	-	60	10.0	0.5	1.0
-	6-14-95	LSP4327	30	2.0 ppm	44328 -6ms	E1356				
15		44328-50	30.54		-6ms	500 ml N/A				
16		-6	30.23							
17		-9	30.34							
-		44360-3ms	30.16			E1356 500 ml				
-		-3ms	30.29			1.0 ppm				
		BP4327B	30			N/A				

sent
6/14
RKL

③ PM 6-14-95

COMMENTS:

pic test blank to improve surr/ppm ③ PM 6-14-95
 poured solid extract through
 funnel w/out Na2SO4 PM 6-14-95

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:26:15
Method updated: 03/10/95 12:11:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17426.RES
Level 2 /DATA/GC01/RESULT/G1H17427.RES
Level 3 /DATA/GC01/RESULT/G1H17428.RES
Level 4 /DATA/GC01/RESULT/G1H17429.RES
Level 5 /DATA/GC01/RESULT/G1H17430.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.22	TCX	.99981	-2119.91	1233768.50	-537386.50
	14.62	AR1254	.99996	297.02	43535.86	-4780.59
	16.32	AR1254	.99999	36.56	62125.27	-3852.58
4	16.86	AR1254	.99995	-9.80	48502.26	-4637.60
5	17.38	AR1254	.99998	81.57	27120.31	-2429.93
6	18.77	AR1254	.99997	405.57	46914.61	-2820.04
7	29.98	DCB	.99998	342.75	530850.12	-256257.78

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:24:30
Method updated: 03/10/95 15:05:52

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17426.RES
Level 2 /DATA/GC11/RESULT/G11H17427.RES
Level 3 /DATA/GC11/RESULT/G11H17428.RES
Level 4 /DATA/GC11/RESULT/G11H17429.RES
Level 5 /DATA/GC11/RESULT/G11H17430.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.66	TCX	.99975	-2362.56	1455482.70	-577617.25
	3.54	AR1254	.99997	295.55	48500.99	-4090.71
3	15.04	AR1254	.99992	164.94	66311.34	-2601.04
4	15.56	AR1254	.99997	10.66	32668.95	-2907.08
5	15.80	AR1254	.99996	89.93	45384.80	-1248.26
6	16.91	AR1254	.99979	-250.71	26039.36	263.78
7	25.53	DCB	.99999	543.92	585667.87	-272356.81

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC01/METHOD/PCB1660025.MTH

Method created: 03/10/95 10:26:39

Method updated: 03/10/95 12:28:00

Result files used for Calibration data:

Level 1 /DATA/GC01/RESULT/G1H17431.RES
Level 2 /DATA/GC01/RESULT/G1H17432.RES
Level 3 /DATA/GC01/RESULT/G1H17433.RES
Level 4 /DATA/GC01/RESULT/G1H17434.RES
Level 5 /DATA/GC01/RESULT/G1H17435.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.21	TCX	.99983	499.50	1121754.00	-131763.00
	8.02	NR1016	.99981	89.98	24019.71	-1741.84
3	9.39	NR1016	.99991	456.82	40276.45	-3986.96
4	10.72	NR1016	.99996	172.56	69042.09	-4409.04
5	11.20	NR1016	.99996	1.42	31060.59	-1717.55
6	12.84	NR1016	.99999	108.32	26980.75	-1575.84
7	17.37	NR1260	.99990	612.66	53299.16	-4169.42
8	20.11	NR1260	.99993	-14.76	38433.24	-1694.84
9	20.72	NR1260	.99990	-116.13	81551.42	-2326.58
10	22.49	NR1260	.99988	-179.45	39269.30	-730.72
11	25.20	NR1260	.99991	-45.92	15729.97	184.17
12	29.95	DCB	.99997	747.68	507385.75	-175641.72

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC11/METHOD/PCB1660025.MTH
Method created: 03/10/95 10:25:01
Method updated: 03/10/95 15:19:33

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17431.RES
Level 2 /DATA/GC11/RESULT/G11H17432.RES
Level 3 /DATA/GC11/RESULT/G11H17433.RES
Level 4 /DATA/GC11/RESULT/G11H17434.RES
Level 5 /DATA/GC11/RESULT/G11H17435.RES

#	Time	Analyte	Correlation	E ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.65	TCX	.99992	-2570.22	1341550.20	-141280.72
	7.17	AR1016	.99950	401.90	24191.39	-1084.79
	8.35	AR1016	.99989	274.63	50988.50	-3905.36
4	9.74	AR1016	1.0000	47.33	80138.92	-3284.30
5	10.19	AR1016	.99996	-5.09	34959.98	-1325.64
6	10.84	AR1016	.99984	128.88	27239.73	-1603.10
7	15.55	AR1260	.99992	245.80	51020.87	-3074.20
8	16.27	AR1260	.99995	491.38	59684.50	-4547.90
9	17.39	AR1260	.99995	-31.08	69878.08	-2707.91
10	19.51	AR1260	1.0000	178.83	79530.28	-2656.86
11	20.73	AR1260	.99993	-200.70	47003.97	-478.98
12	25.50	DCB	.99997	775.86	566708.63	-186657.03

$$R = B_0 + B_1X + B_2X^2$$

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+
    
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for /DATA/GC01/METHOD/PEST132.MTH
 Method created: 06/07/95 12:56:53
 Method updated: 06/07/95 16:56:00

Result files used for Calibration data:
 Level 1 /DATA/GC01/RESULT/G1W18038.RES
 Level 2 /DATA/GC01/RESULT/G1W18039.RES
 Level 3 /DATA/GC01/RESULT/G1W18040.RES
 Level 4 /DATA/GC01/RESULT/G1W18041.RES
 Level 5 /DATA/GC01/RESULT/G1W18042.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.19	TCX	.99971	-2039.53	1411512.70	-1035535.0
2	8.23	ALPHA-BHC	.99908	-810.86	934258.25	18716856.0
3	9.49	GAMMA-BHC	.99854	-1158.88	1117170.50	11107644.0
4	9.76	BETA-BHC	.99923	-376.63	747433.00	1872621.00
5	10.77	HEPTACHLOR	.99986	-426.87	1102702.00	6353986.00
6	10.96	DELTA-BHC	.99885	-925.49	916885.87	12890740.0
7	11.88	ALDRIN	.99946	-491.34	912183.63	5929158.00
8	13.76	HEPTACHLOR EPOXIDE	.99951	-547.39	991770.25	3999925.50
9	14.41	GAMMA-CHLORDANE	.99985	-331.53	980421.12	4205186.00
10	14.96	ALPHA-CHLORDANE/ENDOSULFA	.99935	-1228.39	868216.25	1461911.50
11	15.77	4,4'-DDE	.99940	-1562.71	810329.00	3822042.50
12	16.01	DIELDRIN	.99947	-1555.62	890205.13	2632940.00
13	17.17	ENDRIN	.99969	-503.09	691167.87	2535417.00
14	17.66	4,4'-DDD	.99898	-904.04	639179.38	2550843.00
15	17.81	ENDOSULFAN II	.99970	-1025.52	948167.38	813577.38
16	18.71	4,4'-DDT	.99897	-1636.32	637625.50	2409950.00
17	19.86	ENDRIN ALDEHYDE	.99947	-946.13	744225.25	827266.13
18	19.40	ENDOSULFAN SULFATE	.99973	-501.67	740406.50	1798675.00
19	21.64	METHOXYCHLOR	.99954	-2514.47	407046.00	-32152.39
20	21.97	ENDRIN KETONE	.99939	-1181.38	772375.75	1481240.50
21	29.88	DCB	.99998	352.17	550162.62	-246978.06

$$R = B0 + B1X + B2X^2$$


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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+
    
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for /DATA/GC11/METHOD/PEST132.MTH
 Method created: 06/07/95 12:59:59
 Method updated: 06/07/95 16:57:37

Result files used for Calibration data:
 Level 1 /DATA/GC11/RESULT/G11W18038.RES
 Level 2 /DATA/GC11/RESULT/G11W18039.RES
 Level 3 /DATA/GC11/RESULT/G11W18040.RES
 Level 4 /DATA/GC11/RESULT/G11W18041.RES
 Level 5 /DATA/GC11/RESULT/G11W18042.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.63	TCX	.99847	-1803.44	1563486.20	-1007998.1
2	8.17	ALPHA-BHC	.99977	-716.11	949828.75	18558440.0
3	9.42	GAMMA-BHC	.99809	-1765.08	1381324.50	3393053.00
4	10.04	HEPTACHLOR	.99985	-308.89	971844.87	5505637.00
5	10.89	ALDRIN	.99869	-829.59	1016079.70	6282448.00
6	11.74	BETA-BHC	.99984	-308.92	729354.50	995450.12
7	12.50	DELTA-BHC	.99947	-566.00	720810.12	14106616.0
8	13.13	HEPTACHLOR EPOXIDE	.99895	-607.36	1020953.50	4190362.00
9	14.00	ENDOSULFAN I	.99961	-374.97	868099.87	5909967.00
10	14.15	GAMMA-CHLORDANE	.99972	-529.76	1046731.20	2727746.00
11	14.40	ALPHA-CHLORDANE	.99917	-503.65	1044352.50	4167043.50
12	14.64	4,4'-DDE	.99968	-1216.43	815618.50	3520911.00
13	15.18	DIELDRIN	.99929	-1783.77	1022450.70	1582701.30
14	15.87	ENDRIN	.99939	-1090.83	746433.63	2421867.50
15	17.19	4,4'-DDD	.99883	-939.90	734528.87	1572434.70
16	17.43	ENDOSULFAN II	.99917	-1184.55	935447.75	667577.12
17	17.74	4,4'-DDT	.99953	-1200.70	622788.62	1676733.00
18	18.76	ENDRIN ALDEHYDE	.99922	-764.04	478378.56	262602.69
19	19.80	METHOXYCHLOR/ENDO SULFATE	.99960	-3118.59	449179.94	-15245.86
20	21.13	ENDRIN KETONE	.99908	-1350.84	853471.00	363452.94
21	25.44	DCB	.99993	703.80	594197.75	-236605.03

$$R = B_0 + B_1X + B_2X^2$$

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PEST133.MTH
 Method created: 06/15/95 12:25:05
 Method updated: 06/16/95 05:06:20

Result files used for Calibration data:
 Level 1 /DATA/GC01/RESULT/G1W18143.RES
 Level 2 /DATA/GC01/RESULT/G1W18144.RES
 Level 3 /DATA/GC01/RESULT/G1W18145.RES
 Level 4 /DATA/GC01/RESULT/G1W18146.RES
 Level 5 /DATA/GC01/RESULT/G1W18147.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.21	TCX	.99983	253.55	1164716.00	7010.76
2	8.25	ALPHA-BHC	.99891	-505.71	805688.25	15624676.0
3	9.51	GAMMA-BHC	.99927	-574.00	874593.62	13128124.0
4	9.78	BETA-BHC	.99956	-166.01	634375.25	2788897.00
5	10.80	HEPTACHLOR	.99999	5.56	891510.37	6248468.00
	10.98	DELTA-BHC	.99956	-176.09	610781.62	14906886.0
7	11.90	ALDRIN	.99986	-74.06	690127.38	8891432.00
8	15.77	HEPTACHLOR EPOXIDE	.99967	-196.90	842287.37	5122288.00
9	14.43	GAMMA-CHLORDANE	.99997	-40.53	824747.87	5341099.00
10	14.98	ALPHA-CHLORDANE/ENDOSULFAN	.99954	-731.19	764228.50	1641858.30
11	15.79	4,4'-DDE	.99921	-1073.96	769105.37	2937666.00
12	16.05	DIELDRIN	.99982	-713.97	757636.50	3145420.00
13	17.19	ENDRIN	.99974	-716.18	702232.00	2351309.50
14	17.67	4,4'-DDD	.99972	-639.61	518780.25	2839026.00
15	17.85	ENDOSULFAN II	.99986	446.21	790489.15	1660086.50
16	18.73	4,4'-DDT	.99973	-582.91	618018.12	2521213.00
17	18.87	ENDRIN ALDEHYDE	.99944	-124.55	658293.25	995226.50
18	19.41	ENDOSULFAN SULFATE	.99914	-327.88	687343.87	1376873.50
19	21.65	METHOXYCHLOR	.99992	-429.16	404047.19	-38112.09
20	21.98	ENDRIN KETONE	.99981	-492.36	549417.63	1964881.50
21	29.87	DCB	.99996	110.59	504689.44	-159902.09

R = B0 + B1X + B2X²

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+
    
```

for /DATA/GC11/METHOD/PEST133.MTH
 Method created: 06/15/95 12:25:59
 Method updated: 06/16/95 05:07:13

Result files used for Calibration data:
 Level 1 /DATA/GC11/RESULT/G11W18143.RES
 Level 2 /DATA/GC11/RESULT/G11W18144.RES
 Level 3 /DATA/GC11/RESULT/G11W18145.RES
 Level 4 /DATA/GC11/RESULT/G11W18146.RES
 Level 5 /DATA/GC11/RESULT/G11W18147.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.65	TCX	.99972	-1302.78	1429469.00	-258539.78
2	8.20	ALPHA-BHC	.99940	-650.16	962836.87	11672936.0
3	9.44	GAMMA-BHC	.99965	-826.35	1052536.70	11322536.0
4	10.07	HEPTACHLOR	.99998	91.35	1019503.00	6901118.00
5	10.92	ALDRIN	.99969	-411.79	903235.25	7447079.00
6	11.77	BETA-BHC	.99999	-46.45	624850.12	2773970.50
7	12.53	DELTA-BHC	.99938	-234.20	649612.87	9477462.00
8	13.16	HEPTACHLOR EPOXIDE	.99959	-250.86	964377.88	3463147.00
9	14.03	ENDOSULFAN I	.99975	-58.14	820413.12	4457840.00
10	14.17	GAMMA-CHLORDANE	.99997	-117.07	908714.00	5464399.00
11	14.42	ALPHA-CHLORDANE	.99953	-253.90	991820.62	3058748.50
12	14.67	4,4'-DDE	.99983	-736.95	746290.87	3678828.00
13	15.21	DIELDRIN	.99972	-1092.12	887997.75	2947296.50
14	15.90	ENDRIN	.99968	-575.89	764851.75	2143830.50
15	17.22	4,4'-DDD	.99964	-925.20	637510.37	1964451.50
16	17.45	ENDOSULFAN II	.99962	-648.86	851798.37	1197408.50
17	17.76	4,4'-DDT	.99961	-217.86	630650.88	1826688.50
18	18.78	ENDRIN ALDEHYDE	.99973	-167.47	409673.13	735598.88
19	19.82	METHOXYCHLOR/ENDO SULFATE	.99962	-74.05	476730.94	-48234.92
20	21.14	ENDRIN KETONE	.99943	-408.54	602953.87	1352781.00
21	25.46	DCB	.99995	456.07	584179.62	-273260.19

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:46:23 am

/DATA/GC01/RESULT/G1W18074.RES
/DATA/GC01/METHOD/PEST132_1.MTH

Sample: IN0208 P8600
Injected: Fri Jun 9, 1995 8:58:30 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.090	.100	9.8	90.2
8.27	ALPHA-BHC	.019	.020	5.6	94.4
9.53	GAMMA-BHC	.019	.020	7.5	92.5
9.80	BETA-BHC	.019	.020	5.2	94.8
10.81	HEPTACHLOR	.018	.020	7.7	92.3
11.00	DELTA-BHC	.018	.020	9.3	90.7
11.92	ALDRIN	.018	.020	9.9	90.1
13.80	HEPTACHLOR EPOXIDE	.019	.020	4.7	95.3
14.45	GAMMA-CHLORDANE	.019	.020	5.1	94.9
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	2.8	97.2
15.81	4,4'-DDE	.039	.040	1.5	98.5
16.05	DIELDRIN	.038	.040	4.5	95.5
17.21	ENDRIN	.036	.040	11.0	89.0
17.69	4,4'-DDD	.037	.040	7.7	92.3
17.85	ENDOSULFAN II	.040	.040	.1	99.9
18.74	4,4'-DDT	.041	.040	2.6	102.6
18.89	ENDRIN ALDEHYDE	.040	.040	.7	99.3
19.43	ENDOSULFAN SULFATE	.041	.040	1.9	101.9
21.67	METHOXYCHLOR	.201	.200	.5	100.5
22.01	ENDRIN KETONE	.041	.040	1.4	101.4
29.93	DCB	.101	.100	.6	100.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 9:45:47 am

/DATA/GC11/RESULT/G11W18074.RES
/DATA/GC11/METHOD/PEST132_1.MTH

Sample: IND208 P8600
Injected: Fri Jun 9, 1995 8:58:30 am

RetTime	Analyte	Found	Nominal	ZD	Recovery
5.66	TCX	.092	.100	8.1	91.9
8.20	ALPHA-BHC	.019	.020	2.5	97.5
9.46	GAMMA-BHC	.017	.020	16.4	83.6
10.08	HEPTACHLOR	.018	.020	8.1	91.9
10.93	ALDRIN	.018	.020	7.6	92.4
11.78	BETA-BHC	.018	.020	9.6	90.4
12.54	DELTA-BHC	.019	.020	3.8	96.2
13.16	HEPTACHLOR EPOXIDE	.019	.020	4.3	95.7
14.04	ENDOSULFAN I	.020	.020	.4	99.6
14.18	GAMMA-CHLORDANE	.018	.020	9.2	90.8
14.43	ALPHA-CHLORDANE	.019	.020	2.7	97.3
14.67	4,4'-DDE	.039	.040	1.8	98.2
15.22	DIELDRIN	.036	.040	9.0	91.0
15.90	ENDRIN	.036	.040	9.3	90.7
17.23	4,4'-DDD	.035	.040	13.5	86.5
17.46	ENDOSULFAN II	.038	.040	5.2	94.8
17.77	4,4'-DDT	.043	.040	7.5	107.5
18.79	ENDRIN ALDEHYDE	.038	.040	5.7	94.3
19.83	METHOXYCHLOR/ENDO SULFATE	.222	.240	7.4	92.6
21.16	ENDRIN KETONE	.039	.040	2.5	97.5
25.48	DCB	.100	.100	.1	99.9

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 6:09:43 pm

/DATA/GC01/RESULT/G1W18076.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 9, 1995 3:35:04 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.25	TCX	.096	.100	4.5	95.5
14.66	AR1254	.523	.500	4.5	104.5
16.35	AR1254	.533	.500	6.6	106.6
16.89	AR1254	.521	.500	4.2	104.2
17.42	AR1254	.568	.500	13.5	113.5
18.80	AR1254	.490	.500	2.0	98.0
30.00	DCB	.102	.100	2.5	102.5

PACE, Incorporated
Continuing Calibration Report

Fri Jun 9, 1995 6:10:05 pm

/DATA/GC11/RESULT/G11W18076.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 9, 1995 3:35:04 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.67	TCX	.097	.100	3.0	97.0
13.56	AR1254	.510	.500	2.1	102.1
15.06	AR1254	.490	.500	2.0	98.0
15.57	AR1254	.492	.500	1.7	98.3
15.82	AR1254	.486	.500	2.7	97.3
16.93	AR1254	.505	.500	1.1	101.1
25.52	DCB	.098	.100	1.5	98.5

PACE, Incorporated
Continuing Calibration Report

Mon Jun 12, 1995 10:01:54 am

/DATA/GC01/RESULT/G1W18087.RES
/DATA/GC01/METHOD/PC81254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Sat Jun 10, 1995 12:17:16 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.106	.100	5.8	105.8
14.60	AR1254	.515	.500	3.0	103.0
16.28	AR1254	.496	.500	.7	99.3
16.83	AR1254	.494	.500	1.1	98.9
17.36	AR1254	.501	.500	.2	100.2
18.74	AR1254	.472	.500	5.6	94.4
29.86	DCB	.100	.100	.2	100.2

PACE, Incorporated
Continuing Calibration Report

Thu Jun 29, 1995 11:35:01 am

/DATA/GC11/RESULT/G11W18087.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Sat Jun 10, 1995 12:17:16 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.105	.100	5.2	105.2
13.51	AR1254	.498	.500	.3	99.7
15.01	AR1254	.513	.500	2.5	102.5
15.53	AR1254	.486	.500	2.9	97.1
15.77	AR1254	.509	.500	1.8	101.8
16.88	AR1254	.464	.500	7.3	92.7
25.45	DCB	.098	.100	1.8	98.2

PACE, Incorporated
Continuing Calibration Report

Mon Jun 12, 1995 10:03:44 am

/DATA/GC01/RESULT/G1W18098.RES
/DATA/GC01/METHOD/PEST132A.MTH

Sample: IND2GB P8675
Injected: Mon Jun 12, 1995 8:55:40 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.097	.100	3.2	96.8
8.24	ALPHA-BHC	.019	.020	3.1	96.9
9.50	GAMMA-BHC	.019	.020	4.6	95.4
9.77	BETA-BHC	.020	.020	1.9	98.1
10.78	HEPTACHLOR	.018	.020	8.3	91.7
10.96	DELTA-BHC	.019	.020	5.8	94.2
11.89	ALDRIN	.018	.020	8.6	91.4
13.76	HEPTACHLOR EPOXIDE	.019	.020	3.7	96.3
14.41	GAMMA-CHLORDANE	.019	.020	2.9	97.1
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	1.4	98.6
15.77	4,4'-DDE	.040	.040	.4	100.4
16.01	DIELDRIN	.039	.040	1.8	98.2
17.17	ENDRIN	.036	.040	10.8	89.2
17.36	4,4'-DDD	.040	.040	.3	99.7
17.80	ENDOSULFAN II	.045	.040	13.1	113.1
18.71	4,4'-DDT	.041	.040	2.0	102.0
18.95	ENDRIN ALDEHYDE	.041	.040	2.6	102.6
19.40	ENDOSULFAN SULFATE	.041	.040	3.1	103.1
21.63	METHOXYCHLOR	.195	.200	2.3	97.7
21.96	ENDRIN KETONE	.041	.040	3.4	103.4
29.63	DCB	.099	.100	.8	99.2

PACE, Incorporated
Continuing Calibration Report

Mon Jun 12, 1995 10:04:04 am

/DATA/GC11/RESULT/G11W18098.RES
/DATA/GC11/METHOD/PEST132A.MTH

Sample: IND2AB P8675
Injected: Mon Jun 12, 1995 8:55:40 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.099	.100	.6	99.4
8.17	ALPHA-BHC	.020	.020	2.0	98.0
9.43	GAMMA-BHC	.018	.020	10.8	89.2
10.05	HEPTACHLOR	.018	.020	8.2	91.8
10.90	ALDRIN	.019	.020	3.9	96.1
11.76	BETA-BHC	.019	.020	7.2	92.8
12.51	DELTA-BHC	.019	.020	2.9	97.1
13.13	HEPTACHLOR EPOXIDE	.019	.020	2.5	97.5
14.01	ENDOSULFAN I	.020	.020	.1	99.9
14.16	GAMMA-CHLORDANE	.019	.020	5.7	94.3
14.40	ALPHA-CHLORDANE	.020	.020	.1	99.9
14.65	4,4'-DDE	.038	.040	3.9	96.1
15.19	DIELDRIN	.037	.040	7.4	92.6
15.87	ENDRIN	.055	.040	11.9	88.1
17.20	4,4'-DDD	.036	.040	9.3	90.7
17.43	ENDOSULFAN II	.043	.040	8.7	108.7
17.74	4,4'-DDT	.038	.040	4.1	95.9
18.76	ENDRIN ALDEHYDE	.040	.040	1.1	98.9
19.80	METHOXYCHLOR/ENDO SULFATE	.218	.240	9.1	90.9
21.12	ENDRIN KETONE	.039	.040	1.6	98.4
25.42	DCB	.099	.100	1.4	98.6

PACE, Incorporated
Continuing Calibration Report

Mon Jun 12, 1995 10:19:22 am

/DATA/GC01/RESULT/G1W18099.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Mon Jun 12, 1995 9:33:20 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.18	TCX	.104	.100	4.1	104.1
14.58	AR1254	.525	.500	5.1	105.1
16.27	AR1254	.545	.500	8.9	108.9
16.81	AR1254	.515	.500	3.0	103.0
17.34	AR1254	.537	.500	7.3	107.3
18.72	AR1254	.502	.500	.4	100.4
29.82	DCB	.103	.100	3.0	103.0

PACE, Incorporated
Continuing Calibration Report

Mon Jun 12, 1995 10:19:35 am

/DATA/GC11/RESULT/G11W18099.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 12, 1995 9:33:20 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.62	TCX	.094	.100	6.4	93.6
13.50	AR1254	.533	.500	6.7	106.7
15.00	AR1254	.521	.500	4.2	104.2
15.51	AR1254	.500	.500	.1	100.1
15.76	AR1254	.513	.500	2.5	102.5
16.87	AR1254	.491	.500	1.7	98.3
25.42	DCB	.101	.100	.9	100.9

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 8:44:52 am

/DATA/GC01/RESULT/G1W18110.RES
/DATA/GC01/METHOD/PEST132A.MTH

Sample: IND2AB P8675
Injected: Mon Jun 12, 1995 8:27:06 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.102	.100	2.0	102.0
8.25	ALPHA-BHC	.019	.020	5.8	94.2
9.51	GAMMA-BHC	.019	.020	3.1	96.9
9.78	BETA-BHC	.020	.020	1.8	98.2
10.79	HEPTACHLOR	.019	.020	4.3	95.7
10.97	DELTA-BHC	.019	.020	4.0	96.0
11.90	ALDRIN	.020	.020	.5	99.5
13.77	HEPTACHLOR EPOXIDE	.020	.020	1.4	101.4
14.43	GAMMA-CHLORDANE	.021	.020	4.2	104.2
14.98	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	2.4	102.4
15.79	4,4'-DDE	.041	.040	3.1	103.1
16.03	DIELDRIN	.042	.040	4.2	104.2
17.19	ENDRIN	.037	.040	7.8	92.2
17.67	4,4'-DDD	.039	.040	1.5	98.5
17.83	ENDOSULFAN II	.042	.040	4.7	104.7
18.73	4,4'-DDT	.044	.040	10.6	110.6
18.87	ENDRIN ALDEHYDE	.046	.040	14.3	114.3
19.42	ENDOSULFAN SULFATE	.042	.040	5.9	105.9
21.66	METHOXYCHLOR	.211	.200	5.3	105.3
22.00	ENDRIN KETONE	.044	.040	10.0	110.0
29.91	DCB	.105	.100	5.3	105.3

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 8:45:13 am

/DATA/GC11/RESULT/G11W18110.RES
/DATA/GC11/METHOD/PEST132A.MTH

Sample: IN02AB P8675
Injected: Mon Jun 12, 1995 8:27:06 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.101	.100	.6	100.6
8.19	ALPHA-BHC	.019	.020	2.6	97.4
9.44	GAMMA-BHC	.020	.020	.0	100.0
10.06	HEPTACHLOR	.023	.020	15.4	115.4
10.91	ALDRIN	.020	.020	.3	99.7
11.77	BETA-BHC	.021	.020	4.9	104.9
12.52	DELTA-BHC	.019	.020	2.5	97.5
13.14	HEPTACHLOR EPOXIDE	.020	.020	.7	100.7
14.02	ENDOSULFAN I	.020	.020	1.9	101.9
14.17	GAMMA-CHLORDANE	.021	.020	6.0	106.0
14.41	ALPHA-CHLORDANE	.020	.020	1.8	101.8
14.66	4,4'-DDE	.042	.040	5.0	105.0
15.20	DIELDRIN	.042	.040	4.0	104.0
15.89	ENDRIN	.036	.040	10.0	90.0
17.21	4,4'-DDD	.039	.040	3.7	96.3
17.44	ENDOSULFAN II	.041	.040	2.3	102.3
17.75	4,4'-DDT	.044	.040	11.0	111.0
18.77	ENDRIN ALDEHYDE	.045	.040	12.5	112.5
19.81	METHOXYCHLOR/ENDO SULFATE	.256	.240	6.5	106.5
21.14	ENDRIN KETONE	.043	.040	6.4	106.4
25.46	DCE	.105	.100	4.8	104.8

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 9:53:39 am

/DATA/GC01/RESULT/G1W18111.RES
/DATA/SC01/METHOD/PCB12540600.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 12, 1995 9:04:48 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.112	.100	11.7	111.7
14.60	AR1254	.561	.500	12.2	112.2
16.29	AR1254	.551	.500	10.3	110.3
16.84	AR1254	.545	.500	9.1	109.1
17.56	AR1254	.562	.500	12.4	112.4
18.74	AR1254	.537	.500	7.4	107.4
29.91	OCB	.111	.100	11.3	111.3

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 9:54:02 am

/DATA/CC11/RESULT/G11W18111.RES
/DATA/CC11/METHOD/PCB1254060A.MT

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 12, 1995 9:0. 48 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
8.63	TCX	.109	.100	9.1	109.1
13.51	AR1254	.543	.500	8.7	108.7
15.00	AR1254	.556	.500	11.3	111.3
15.52	AR1254	.525	.500	5.0	105.0
15.77	AR1254	.550	.500	10.1	110.1
16.88	AR1254	.506	.500	1.1	101.1
25.45	DCB	.108	.100	8.1	108.1

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 8:56:38 am

/DATA/GC01/RESULT/G1W18125.RES
/DATA/GC01/METHOD/PEST132A.MTH

Sample: IND2AB P8675
Injected: Tue Jun 13, 1995 8:18:26 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.086	.100	14.1	85.9
8.26	ALPHA-BHC	.018	.020	7.5	92.5
9.53	GAMMA-BHC	.018	.020	10.9	89.1
9.80	BETA-BHC	.018	.020	8.1	91.9
10.81	HEPTACHLOR	.017	.020	12.7	87.3
10.99	DELTA-BHC	.018	.020	11.2	88.8
11.92	ALDRIN	.017	.020	15.1	84.9
13.79	HEPTACHLOR EPOXIDE	.019	.020	6.9	93.1
14.44	GAMMA-CHLORDANE	.019	.020	4.7	95.3
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	2.6	97.4
15.80	4,4'-DDE	.040	.040	1.1	101.1
16.04	DIELDRIN	.039	.040	2.4	97.6
17.20	ENDRIN	.032	.040	20.4	79.6
17.67	4,4'-DDD	.038	.040	4.2	95.8
17.84	ENDOSULFAN II	.038	.040	3.8	96.2
18.74	4,4'-DDT	.040	.040	.1	100.1
18.89	ENDRIN ALDEHYDE	.042	.040	4.0	104.0
19.43	ENDOSULFAN SULFATE	.040	.040	1.1	101.1
21.67	METHOXYCHLOR	.194	.200	2.8	97.2
22.01	ENDRIN KETONE	.042	.040	4.7	104.7
27.95	DEB	.099	.100	.6	99.4

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 8:57:29 am

/DATA/GC11/RESULT/G11W18125.RES
/DATA/GC11/METHOD/PEST132A.MTH

Sample: IND2AB PB675
Injected: Tue Jun 13, 1995 8:18:26 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.097	.100	2.9	97.1
8.19	ALPHA-BHC	.019	.020	6.4	93.6
9.44	GAMMA-BHC	.018	.020	8.3	91.7
10.07	HEPTACHLOR	.021	.020	7.0	107.0
10.91	ALDRIN	.018	.020	11.6	88.4
11.77	BETA-BHC	.021	.020	5.5	105.5
12.55	DELTA-BHC	.020	.020	1.2	98.8
13.15	HEPTACHLOR EPOXIDE	.019	.020	7.3	92.7
14.05	ENDOSULFAN I	.020	.020	1.1	98.9
14.17	GAMMA-CHLORDANE	.020	.020	2.3	97.7
14.42	ALPHA-CHLORDANE	.019	.020	6.2	93.5
14.67	4,4'-DDE	.040	.040	1.1	101.1
15.20	DIELDRIN	.038	.040	4.3	95.7
15.90	ENDRIN	.032	.040	20.7	79.3
17.21	4,4'-DDD	.036	.040	9.8	90.2
17.45	ENDOSULFAN II	.038	.040	6.1	93.9
17.76	4,4'-DDT	.040	.040	.4	100.4
18.78	ENDRIN ALDEHYDE	.041	.040	2.3	102.8
19.82	METHOXYCHLOR/ENDO SULFATE	.235	.240	2.1	97.9
21.15	ENDRIN KETONE	.040	.040	.4	99.6
25.48	DCB	.099	.100	.9	99.1

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 9:46:24 am

/DATA/GC01/RESULT/G1W18126.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Tue Jun 13, 1995 9:01:20 am

RetTime	Analyte	Found	Nominal	ZD	Recovery
6.20	TCX	.105	.100	5.1	105.1
14.60	AR1254	.527	.500	5.4	105.4
16.29	AR1254	.516	.500	3.3	103.3
16.83	AR1254	.512	.500	2.4	102.4
17.56	AR1254	.525	.500	5.0	105.0
18.74	AR1254	.514	.500	2.9	102.9
27.90	DCB	.105	.100	5.0	105.0

PACE, Incorporated
Continuing Calibration Report

Tue Jun 13, 1995 9:46:42 am

/DATA/GC11/RESULT/G11W18126.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Tue Jun 13, 1995 9:01:20 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.65	TCX	.101	.100	1.2	101.2
13.51	AR1254	.524	.500	4.7	104.7
15.00	AR1254	.523	.500	4.7	104.7
15.52	AR1254	.488	.500	2.5	97.5
15.77	AR1254	.524	.500	4.7	104.7
16.87	AR1254	.493	.500	1.4	98.6
25.44	DCE	.105	.100	3.1	103.1

PACE, Incorporated
Continuing Calibration Report

Wed Jun 14, 1995 1:10:39 pm

/DATA/GC01/RESULT/G1W18135.RES
/DATA/GC01/METHOD/PEST132A.MTH

Sample: IND2AB P8675
Injected: Wed Jun 14, 1995 10:45:30 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.088	.100	11.7	88.3
8.23	ALPHA-BHC	.019	.020	7.0	93.0
9.50	GAMMA-BHC	.018	.020	10.1	89.9
9.76	BETA-BHC	.019	.020	6.2	93.8
10.77	HEPTACHLOR	.017	.020	15.1	84.9
10.96	DELTA-BHC	.018	.020	11.2	88.8
11.89	ALDRIN	.018	.020	11.8	88.2
13.76	HEPTACHLOR EPOXIDE	.019	.020	6.5	93.5
14.41	GAMMA-CHLORDANE	.019	.020	5.2	94.8
14.97	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	3.4	96.6
15.77	4,4'-DDE	.039	.040	2.2	97.8
16.01	DIELDRIN	.038	.040	4.6	95.4
17.17	ENDRIN	.031	.040	23.2	76.8
17.66	4,4'-DDD	.038	.040	6.0	94.0
17.82	ENDOSULFAN II	.044	.040	9.9	109.9
18.71	4,4'-DDT	.039	.040	1.6	98.4
18.86	ENDRIN ALDEHYDE	.042	.040	4.8	104.8
19.40	ENDOSULFAN SULFATE	.040	.040	.6	100.6
21.64	METHOXYCHLOR	.191	.200	4.7	95.3
21.97	ENDRIN KETONE	.042	.040	5.7	105.7
29.87	DCB	.100	.100	.4	99.6

PACE, Incorporated
Continuing Calibration Report

Wed Jun 14, 1995 1:10:59 pm

/DATA/GC11/RESULT/G11W18135.RES
/DATA/GC11/METHOD/PEST132A.MTH

Sample: IND2AB P8675
Injected: Wed Jun 14, 1995 10:45:30 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.093	.100	6.6	93.4
8.17	ALPHA-BHC	.019	.020	4.5	95.5
9.43	GAMMA-BHC	.017	.020	12.6	87.4
10.05	HEPTACHLOR	.018	.020	7.5	92.5
10.90	ALDRIN	.019	.020	5.5	94.5
11.76	BETA-BHC	.019	.020	7.5	92.5
12.51	DELTA-BHC	.019	.020	6.5	93.5
13.14	HEPTACHLOR EPOXIDE	.019	.020	3.2	96.8
14.01	ENDOSULFAN I	.020	.020	1.4	98.6
14.16	GAMMA-CHLORDANE	.019	.020	5.6	94.4
14.40	ALPHA-CHLORDANE	.020	.020	1.4	98.6
14.65	4,4'-DDE	.037	.040	6.5	93.5
15.19	DIELDRIN	.037	.040	6.7	93.3
15.88	ENDRIN	.031	.040	23.3	76.7
17.20	4,4'-DDD	.036	.040	9.1	90.9
17.43	ENDOSULFAN II	.039	.040	2.4	97.6
17.74	4,4'-DDT	.042	.040	4.1	104.1
18.77	ENDRIN ALDEHYDE	.041	.040	3.4	103.4
19.80	METHOXYCHLOR/ENDO SULFATE	.221	.240	7.8	92.2
21.13	ENDRIN KETONE	.041	.040	3.6	103.6
25.45	DCB	.098	.100	1.7	98.3

PACE, Incorporated
Continuing Calibration Report

Wed Jun 14, 1995 1:11:21 pm

/DATA/GC01/RESULT/G1W18136.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Wed Jun 14, 1995 11:23:08 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.108	.100	7.6	107.6
14.61	AR1254	.538	.500	7.5	107.5
16.30	AR1254	.546	.500	9.2	109.2
16.84	AR1254	.530	.500	6.0	106.0
17.37	AR1254	.556	.500	11.2	111.2
18.75	AR1254	.512	.500	2.4	102.4
29.88	DCB	.105	.100	4.8	104.8

PACE, Incorporated
Continuing Calibration Report

Wed Jun 14, 1995 1:11:40 pm

/DATA/GC11/RESULT/G11W18136.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Wed Jun 14, 1995 11:23:08 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.097	.100	3.1	96.9
13.53	AR1254	.531	.500	6.2	106.2
15.02	AR1254	.507	.500	1.3	101.3
15.54	AR1254	.521	.500	4.2	104.2
15.79	AR1254	.504	.500	.8	100.8
16.90	AR1254	.500	.500	.0	100.0
25.46	DCB	.103	.100	3.3	103.3

PACE, Incorporated
Continuing Calibration Report

Wed Jun 14, 1995 1:12:02 pm

/DATA/GC01/RESULT/G1W18137.RES
/DATA/GC01/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM P8676
Injected: Wed Jun 14, 1995 12:00:46 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.110	.100	10.0	110.0
8.02	AR1016	.503	.500	.7	100.7
9.39	AR1016	.534	.500	6.9	106.9
10.72	AR1016	.511	.500	2.2	102.2
11.21	AR1016	.521	.500	4.3	104.3
12.83	AR1016	.540	.500	8.1	108.1
17.36	AR1260	.554	.500	10.8	110.8
20.08	AR1260	.534	.500	6.8	106.8
20.70	AR1260	.535	.500	6.9	106.9
22.45	AR1260	.529	.500	5.6	105.6
25.14	AR1260	.526	.500	5.2	105.2
29.86	DCB	.107	.100	6.9	106.9

PACE, Incorporated
Continuing Calibration Report

Wed Jun 14, 1995 1:12:19 pm

/DATA/GC11/RESULT/G11W18137.RES
/DATA/GC11/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM PB676
Injected: Wed Jun 14, 1995 12:00:46 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.102	.100	1.6	101.6
7.17	AR1016	.545	.500	9.0	109.0
8.34	AR1016	.504	.500	.9	100.9
9.73	AR1016	.508	.500	1.6	101.6
10.18	AR1016	.504	.500	.8	100.8
10.82	AR1016	.540	.500	7.9	107.9
15.54	AR1260	.527	.500	5.3	105.3
16.26	AR1260	.512	.500	2.3	102.3
17.38	AR1260	.505	.500	1.1	101.1
19.49	AR1260	.508	.500	1.6	101.6
20.66	AR1260	.512	.500	2.4	102.4
25.45	DCB	.104	.100	3.6	103.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:19:35 am

/DATA/GC01/RESULT/G1W18149.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 15, 1995 5:16:45 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.095	.100	5.4	94.6
14.62	AR1254	.487	.500	2.7	97.3
16.31	AR1254	.500	.500	.0	100.0
16.85	AR1254	.470	.500	6.0	94.0
17.38	AR1254	.490	.500	2.1	97.9
18.76	AR1254	.464	.500	7.2	92.8
29.95	DCB	.100	.100	.4	100.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:19:49 am

/DATA/GC11/RESULT/G11W18149.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 15, 1995 5:16:45 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.092	.100	8.0	92.0
13.54	AR1254	.518	.500	3.7	103.7
15.03	AR1254	.507	.500	1.3	101.3
15.55	AR1254	.479	.500	4.1	95.9
15.80	AR1254	.507	.500	1.4	101.4
16.90	AR1254	.482	.500	3.5	96.5
25.50	DCB	.100	.100	.4	100.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:20:11 am

/DATA/GC01/RESULT/G1W18150.RES
/DATA/GC01/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM P8676
Injected: Thu Jun 15, 1995 5:54:25 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.098	.100	2.4	97.6
8.03	AR1016	.509	.500	1.8	101.8
9.41	AR1016	.512	.500	2.5	102.5
10.73	AR1016	.505	.500	1.0	101.0
11.23	AR1016	.504	.500	.7	100.7
12.85	AR1016	.489	.500	2.3	97.7
17.38	AR1260	.512	.500	2.4	102.4
20.10	AR1260	.501	.500	.3	100.3
20.73	AR1260	.504	.500	.8	100.8
22.49	AR1260	.495	.500	.9	99.1
25.20	AR1260	.494	.500	1.1	98.9
29.94	UCB	.101	.100	1.2	101.2

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:20:28 am

/DATA/GC11/RESULT/G11W18150.RES
/DATA/GC11/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM PB676
Injected: Thu Jun 15, 1995 5:54:25 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.095	.100	5.1	94.9
7.18	AR1016	.519	.500	3.8	103.8
8.36	AR1016	.492	.500	1.6	98.4
9.75	AR1016	.500	.500	.0	100.0
10.19	AR1016	.495	.500	1.0	99.0
10.84	AR1016	.501	.500	.3	100.3
15.56	AR1260	.489	.500	2.2	97.8
16.27	AR1260	.511	.500	2.3	102.3
17.40	AR1260	.495	.500	.9	99.1
19.51	AR1260	.508	.500	1.5	101.5
20.68	AR1260	.493	.500	1.4	98.6
25.49	DCB	.101	.100	.6	100.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:42:45 am

/DATA/GC01/RESULT/G1W18161.RES
/DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:48:21 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.096	.100	4.5	95.5
8.27	ALPHA-BHC	.020	.020	.9	99.1
9.53	GAMMA-BHC	.020	.020	2.1	97.9
9.80	BETA-BHC	.020	.020	1.2	101.2
10.81	HEPTACHLOR	.020	.020	1.7	98.3
11.00	DELTA-BHC	.020	.020	2.1	97.9
11.92	ALDRIN	.020	.020	1.3	98.7
13.80	HEPTACHLOR EPOXIDE	.020	.020	.9	100.9
14.45	GAMMA-CHLORDANE	.020	.020	.2	100.2
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	1.6	101.6
15.81	4,4'-DDE	.040	.040	.5	100.5
16.05	DIELDRIN	.039	.040	1.5	98.5
17.21	ENDRIN	.038	.040	5.1	94.9
17.70	4,4'-DDD	.040	.040	.6	99.4
17.85	ENDOSULFAN II	.040	.040	.3	100.3
18.75	4,4'-DDT	.040	.040	.5	99.5
18.90	ENDRIN ALDEHYDE	.043	.040	6.4	106.4
19.44	ENDOSULFAN SULFATE	.041	.040	3.1	103.1
21.68	METHOXYCHLOR	.198	.200	.8	99.2
22.03	ENDRIN KETONE	.042	.040	5.2	105.2
29.99	DCB	.105	.100	4.6	104.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:43:03 am

/DATA/GC11/RESULT/G11W18161.RES
/DATA/GC11/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:48:21 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.096	.100	4.1	95.9
8.21	ALPHA-BHC	.020	.020	.9	99.1
9.46	GAMMA-BHC	.019	.020	4.9	95.1
10.08	HEPTACHLOR	.019	.020	3.6	96.4
10.93	ALDRIN	.020	.020	1.4	98.6
11.79	BETA-BHC	.020	.020	2.2	97.8
12.54	DELTA-BHC	.020	.020	.4	100.4
13.17	HEPTACHLOR EPOXIDE	.020	.020	1.1	101.1
14.04	ENDOSULFAN I	.020	.020	2.4	102.4
14.19	GAMMA-CHLORDANE	.020	.020	.2	99.8
14.44	ALPHA-CHLORDANE	.020	.020	2.1	102.1
14.68	4,4'-DDE	.039	.040	3.7	96.3
15.23	DIELDRIN	.039	.040	2.2	97.8
15.91	ENDRIN	.038	.040	5.2	94.8
17.23	4,4'-DDD	.038	.040	3.9	96.1
17.47	ENDOSULFAN II	.040	.040	.2	99.8
17.78	4,4'-DDT	.041	.040	1.8	101.8
18.80	ENDRIN ALDEHYDE	.042	.040	5.9	105.9
19.84	METHOXYCHLOR/ENDO SULFATE	.237	.240	1.4	98.6
21.17	ENDRIN KETONE	.041	.040	2.6	102.6
25.52	OCB	.100	.100	.3	100.3

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:52:55 am

/DATA/GC01/RESULT/G1W18162.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 1:25:57 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.104	.100	4.3	104.3
14.64	AR1254	.519	.500	3.7	103.7
16.33	AR1254	.527	.500	5.4	105.4
16.88	AR1254	.517	.500	3.4	103.4
17.40	AR1254	.532	.500	6.5	106.5
18.78	AR1254	.488	.500	2.3	97.7
30.00	DCB	.105	.100	5.0	105.0

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:53:09 am

/DATA/GC11/RESULT/G11W18162.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 1:25:59 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.67	TCX	.104	.100	4.2	104.2
13.56	AR1254	.516	.500	3.2	103.2
15.05	AR1254	.498	.500	.3	99.7
15.57	AR1254	.514	.500	2.8	102.8
15.82	AR1254	.502	.500	.3	100.3
16.93	AR1254	.502	.500	.3	100.3
25.53	DCB	.104	.100	3.6	103.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:54:01 am

/DATA/GC01/RESULT/G1W18163.RES
/DATA/GC01/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM P8676
Injected: Fri Jun 16, 1995 2:03:35 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.24	TCX	.104	.100	3.6	103.6
8.06	AR1016	.505	.500	1.0	101.0
9.44	AR1016	.515	.500	2.9	102.9
10.76	AR1016	.504	.500	.8	100.8
11.26	AR1016	.505	.500	.9	100.9
12.88	AR1016	.498	.500	.4	99.6
17.41	AR1260	.522	.500	4.4	104.4
20.14	AR1260	.512	.500	2.5	102.5
20.76	AR1260	.514	.500	2.7	102.7
22.53	AR1260	.510	.500	2.1	102.1
25.25	AR1260	.505	.500	1.1	101.1
30.01	DCB	.104	.100	4.1	104.1

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:54:15 am

/DATA/GC11/RESULT/G11W18163.RES
/DATA/GC11/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM P8676
Injected: Fri Jun 16, 1995 2:03:35 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.68	TCX	.096	.100	4.5	95.5
7.20	AR1016	.536	.500	7.1	107.1
8.39	AR1016	.474	.500	5.3	94.7
9.78	AR1016	.499	.500	.3	99.7
10.22	AR1016	.487	.500	2.7	97.3
10.88	AR1016	.500	.500	.0	100.0
15.59	AR1260	.495	.500	.9	99.1
16.30	AR1260	.518	.500	3.7	103.7
17.43	AR1260	.503	.500	.6	100.6
19.54	AR1260	.512	.500	2.4	102.4
20.72	AR1260	.492	.500	1.6	98.4
25.54	DCB	.102	.100	2.4	102.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:09:17 pm

/DATA/GC01/RESULT/G1W18174.RES
/DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:03:55 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.102	.100	1.8	101.8
8.27	ALPHA-BHC	.019	.020	5.1	94.9
9.54	GAMMA-BHC	.019	.020	2.7	97.3
9.80	BETA-BHC	.020	.020	1.6	98.4
10.82	HEPTACHLOR	.020	.020	2.1	97.9
11.00	DELTA-BHC	.020	.020	.7	99.3
11.93	ALDRIN	.020	.020	1.0	99.0
13.80	HEPTACHLOR EPOXIDE	.020	.020	2.0	98.0
14.46	GAMMA-CHLORDANE	.020	.020	.1	99.9
15.01	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	2.0	98.0
15.82	4,4'-DDE	.038	.040	5.7	94.3
16.06	DIELDRIN	.039	.040	1.7	98.3
17.22	ENDRIN	.036	.040	10.5	89.5
17.70	4,4'-DDD	.039	.040	2.9	97.1
17.86	ENDOSULFAN II	.040	.040	.8	99.2
18.76	4,4'-DDT	.039	.040	1.8	98.2
18.90	ENDRIN ALDEHYDE	.040	.040	.7	100.7
19.45	ENDOSULFAN SULFATE	.039	.040	2.1	97.9
21.69	METHOXYCHLOR	.194	.200	3.1	96.9
22.03	ENDRIN KETONE	.044	.040	11.0	111.0
29.97	DCB	.102	.100	1.8	101.8

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:09:53 pm

/DATA/GC11/RESULT/G11W18174.RES
/DATA/GC11/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:03:55 pm

RetTime	Analyte	Found	Nominal	%	Recovery
5.67	TCX	.101	.100	.7	100.7
8.22	ALPHA-BHC	.018	.020	8.7	91.3
9.47	GAMMA-BHC	.020	.020	1.8	98.2
10.09	HEPTACHLOR	.021	.020	3.0	103.0
10.94	ALDRIN	.019	.020	4.1	95.9
11.80	BETA-BHC	.021	.020	2.6	102.6
12.55	DELTA-BHC	.019	.020	4.0	96.0
13.18	HEPTACHLOR EPOXIDE	.019	.020	3.4	96.6
14.05	ENDOSULFAN I	.019	.020	3.0	97.0
14.20	GAMMA-CHLORDANE	.020	.020	.3	100.3
14.44	ALPHA-CHLORDANE	.019	.020	3.0	97.0
14.69	4,4'-DDE	.040	.040	.9	99.1
15.23	DIELDRIN	.040	.040	.6	99.4
15.92	ENDRIN	.036	.040	10.2	89.8
17.24	4,4'-DDD	.038	.040	6.0	94.0
17.47	ENDOSULFAN II	.038	.040	3.9	96.1
17.79	4,4'-DDT	.040	.040	1.0	99.0
18.81	ENDRIN ALDEHYDE	.041	.040	1.9	101.9
19.84	METHOXYCHLOR/ENDO SULFATE	.232	.240	3.4	96.6
21.18	ENDRIN KETONE	.044	.040	10.5	110.5
25.51	DCB	.099	.100	.6	99.4

FACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:32:29 pm

/DATA/GC01/RESULT/G1W18175.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 12:41:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.098	.100	1.6	98.4
14.62	AR1254	.487	.500	2.5	97.5
16.31	AR1254	.507	.500	1.3	101.3
16.86	AR1254	.476	.500	4.8	95.2
17.58	AR1254	.492	.500	1.6	98.4
18.76	AR1254	.472	.500	5.6	94.4
29.96	DCB	.099	.100	.6	99.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:32:47 pm

/DATA/GC11/RESULT/G11W18175.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 12:41:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.65	TCX	.087	.100	12.8	87.2
13.54	AR1254	.520	.500	4.0	104.0
15.03	AR1254	.508	.500	1.6	101.6
15.55	AR1254	.483	.500	3.4	96.6
15.80	AR1254	.507	.500	1.5	101.5
16.90	AR1254	.491	.500	1.8	98.2
25.50	DCB	.101	.100	1.1	101.1

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 2:00:18 pm

/DATA/GC01/RESULT/G1W18176.RES
/DATA/GC01/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM PB676
Injected: Fri Jun 16, 1995 1:19:13 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.101	.100	1.4	101.4
8.04	AR1016	.489	.500	2.2	97.8
9.42	AR1016	.494	.500	1.1	98.9
10.74	AR1016	.492	.500	1.5	98.5
11.24	AR1016	.503	.500	.5	100.5
12.86	AR1016	.501	.500	.3	100.3
17.39	AR1260	.498	.500	.3	99.7
20.11	AR1260	.482	.500	3.5	96.5
20.74	AR1260	.505	.500	1.0	101.0
22.50	AR1260	.491	.500	1.8	98.2
25.22	AR1260	.513	.500	2.6	102.6
29.98	DCB	.104	.100	3.6	103.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 2:00:42 pm

/DATA/GC11/RESULT/G11W18176.RES
/DATA/GC11/METHOD/PCB1660025.MTH

Sample: AR1660 0.5PPM P8676
Injected: Fri Jun 16, 1995 1:19:13 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.104	.100	3.7	103.7
7.19	AR1016	.487	.500	2.6	97.4
8.37	AR1016	.510	.500	2.0	102.0
9.76	AR1016	.492	.500	1.6	98.4
10.20	AR1016	.504	.500	.8	100.8
10.85	AR1016	.515	.500	3.0	103.0
15.57	AR1260	.503	.500	.7	100.7
16.28	AR1260	.492	.500	1.6	98.4
17.41	AR1260	.490	.500	2.1	97.9
19.52	AR1260	.482	.500	3.6	96.4
20.70	AR1260	.495	.500	1.1	98.9
25.51	DCB	.100	.100	.2	100.2

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 10:10:52 am

/DATA/GC01/RESULT/G1W18220.RES
/DATA/GC01/METHOD/PEST133B.MTH

Sample: IND2AB P8675
Injected: Tue Jun 20, 1995 9:21:29 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.104	.100	3.5	103.5
8.24	ALPHA-BHC	.021	.020	3.7	103.7
9.50	GAMMA-BHC	.020	.020	.2	100.2
9.77	BETA-BHC	.020	.020	.4	99.6
10.78	HEPTACHLOR	.020	.020	1.6	101.6
10.96	DELTA-BHC	.021	.020	4.1	104.1
11.88	ALDRIN	.020	.020	2.4	97.6
13.76	HEPTACHLOR EPOXIDE	.020	.020	1.4	98.6
14.41	GAMMA-CHLORDANE	.020	.020	1.3	101.3
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.040	.040	.4	100.4
15.77	4,4'-DDE	.041	.040	1.3	101.3
16.01	DIELDRIN	.041	.040	1.6	101.6
17.17	ENDRIN	.042	.040	4.7	104.7
17.66	4,4'-DDD	.039	.040	2.7	97.3
17.81	ENDOSULFAN II	.045	.040	13.3	113.3
18.71	4,4'-DDT	.041	.040	3.2	103.2
18.85	ENDRIN ALDEHYDE	.039	.040	3.6	96.4
19.39	ENDOSULFAN SULFATE	.041	.040	3.7	103.7
21.62	METHOXYCHLOR	.209	.200	4.4	104.4
21.95	ENDRIN KETONE	.045	.040	12.5	112.5
29.80	DCB	.101	.100	.9	100.9

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 10:11:07 am

/DATA/GC11/RESULT/G11W18220.RES
/DATA/GC11/METHOD/PEST1338.MTH

Sample: IND2AB P8675
Injected: Tue Jun 20, 1995 9:21:29 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.100	.100	.0	100.0
8.18	ALPHA-BHC	.018	.020	7.6	92.4
9.43	GAMMA-BHC	.019	.020	3.0	97.0
10.06	HEPTACHLOR	.019	.020	4.3	95.7
10.90	ALDRIN	.019	.020	5.3	94.7
11.76	BETA-BHC	.019	.020	2.9	97.1
12.52	DELTA-BHC	.019	.020	3.7	96.3
13.14	HEPTACHLOR EPOXIDE	.019	.020	6.6	93.4
14.01	ENDOSULFAN I	.019	.020	6.0	94.0
14.16	GAMMA-CHLORDANE	.019	.020	4.7	95.3
14.41	ALPHA-CHLORDANE	.019	.020	6.3	93.7
14.66	4,4'-DDE	.039	.040	2.7	97.3
15.20	DIELDRIN	.038	.040	4.5	95.5
15.88	ENDRIN	.038	.040	4.3	95.7
17.21	4,4'-DDD	.038	.040	5.4	94.6
17.44	ENDOSULFAN II	.038	.040	4.7	95.3
17.75	4,4'-DDT	.038	.040	5.5	94.5
18.77	ENDRIN ALDEHYDE	.038	.040	5.0	95.0
19.81	METHOXYCHLOR/ENDO SULFATE	.231	.240	3.7	96.3
21.13	ENDRIN KETONE	.043	.040	6.9	106.9
25.43	DCB	.094	.100	5.5	94.5

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 11:28:04 am

/DATA/GC01/RESULT/G1W18221.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Tue Jun 20, 1995 10:34:25 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.107	.100	7.4	107.4
14.56	AR1254	.494	.500	1.1	98.9
16.25	AR1254	.475	.500	5.0	95.0
16.80	AR1254	.576	.500	15.2	115.2
17.32	AR1254	.451	.500	9.8	90.2
18.70	AR1254	.493	.500	1.5	98.5
29.78	OCB	.100	.100	.5	99.5

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 11:28:23 am

/DATA/GC11/RESULT/G11W18221.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Tue Jun 20, 1995 10:34:25 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.60	TCX	.104	.100	4.2	104.2
13.49	AR1254	.471	.500	5.8	94.2
14.98	AR1254	.478	.500	4.3	95.7
15.50	AR1254	.456	.500	8.7	91.3
15.75	AR1254	.470	.500	5.9	94.1
16.86	AR1254	.443	.500	11.4	88.6
25.41	DCB	.097	.100	2.8	97.2

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 12:08:50 pm

/DATA/GC01/RESULT/G1W18222.RES
/DATA/GC01/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Tue Jun 20, 1995 11:12:07 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.113	.100	13.5	113.5
7.98	AR1016	.506	.500	1.2	101.2
9.36	AR1016	.527	.500	5.3	105.3
10.68	AR1016	.522	.500	4.3	104.3
11.17	AR1016	.524	.500	4.9	104.9
12.80	AR1016	.514	.500	2.8	102.8
17.32	AR1260	.506	.500	1.2	101.2
20.05	AR1260	.492	.500	1.7	98.3
20.66	AR1260	.505	.500	1.1	101.1
22.40	AR1260	.571	.500	14.2	114.2
25.08	AR1260	.528	.500	5.6	105.6
29.76	DCB	.105	.100	5.4	105.4

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 12:09:05 pm

/DATA/GC11/RESULT/G11W18222.RES
/DATA/GC11/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Tue Jun 20, 1995 11:12:07 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.093	.100	6.8	93.2
7.13	AR1016	.542	.500	8.4	108.4
8.31	AR1016	.485	.500	3.1	96.9
9.70	AR1016	.506	.500	1.2	101.2
10.14	AR1016	.489	.500	2.3	97.7
10.82	AR1016	.476	.500	4.9	95.1
15.51	AR1260	.475	.500	5.0	95.0
16.23	AR1260	.487	.500	2.5	97.5
17.36	AR1260	.473	.500	5.4	94.6
19.47	AR1260	.493	.500	1.5	98.5
20.64	AR1260	.483	.500	3.4	96.6
25.40	DCB	.102	.100	2.5	102.5

FACE, INCORPORATED
GC Instrument Run Log

000025

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

Date	init	result file	Sample	MI	v	Method	column	Sequence
7/8/95	1K5	6111417389	AR1248 0.05 ppm P8493	N	N	met125	112/110	61110308
		390	AR1248 0.2 ppm P8495					
		391	AR1248 0.5 ppm P8496					
		392	AR1248 1.0 ppm P8497					
		393	AR1248 2.0 ppm P8498					
		394	AR1254 0.05 ppm P8499					
		395	AR1254 0.2 ppm P8501					
		396	AR1254 0.5 ppm P8502					
		397	AR1254 1.0 ppm P8503					
		398	AR1254 2.0 ppm P8504					
		399	AR1660 0.05 ppm P8505					
		400	AR1660 0.2 ppm P8507					
		401	AR1660 0.5 ppm P8508					
		402	AR1667 1.0 ppm P8509					
		403	AR1660 2.0 ppm P8510					
		404	AR1221 0.2 ppm P8520					
		405	AR1232 0.1 ppm P8486					
3/9/95	1K5	406	IND2A15 P8517 Test PCB					
		407						
			using 32 min for GC01 PCB peak					
		408	Envl P8199 0.1 ppm	N	Y	met126	112/110	61110307
		409	P8515 Ind 0.5 AB					
		410	P8516 1 AB					
		411	P8517 2 AB					
		412	P8518 3 AB					
		413	P8519 5 AB					
		414	43127-2 New Emulsion/V310/1:500 in	N	Y	Pest126		
		415	P8104 1 ppm TOX	N	Y	Pest126		
		416	AR1242 0.05 ppm P8487	N	Y	P81242036		
		417	0.2 P8489					
		418	0.5 P8490					

Not accepted due to
wrong ramp. Need to
increase final time to get
DOB.

FACE, INCORPORATED
GC Instrument Run Log

0000026

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-2

Date	init	result file	Sample	MI	Y	Method	column	Sequence
4/9/95	(SW)	G1111417419	AR1242 1.0ppm PB491	N	Y	PCB1242036	112/110	G1110509
			420 AR1242 2.0ppm PB492			↓		
			421 AR1248 0.05 ppm PB493			PCB1248053		
			422 0.2 PB495					
			423 0.5 PB496					
			424 1.0 PB497					
			425 2.0 PB498			↓		
3/10/95			426 AR1254 0.05 ppm PB499			PCB1254060		
			427 0.2 PB501					
			428 0.5 PB502					
			429 1.0 PB503					
			430 2.0 PB504			↓		
			431 AR1660 0.05 ppm PB505			PCB1660025		
			432 0.2 PB507					
			433 0.5 PB508					
			434 1.0 PB509					
			435 2.0 PB510			↓		
			436 AR1221 0.2 ppm PB520			PCB1221014		
			437 AR1232 0.1 ppm PB486			PCB123201		
			438 PB520 AR1221 0.2 ppm ^{CF→1-73,460}	N	Y	PCB1221014		
			439 PB401 ENDORS (for ORC only) ^{BAC→CF→1-573,820} 11-572670	N	Y	Pest125		
			440 PB464 AR1221 0.2 ppm ^{CF→1-77830} 11-77075	N	Y	PCB1221014		
			441 BP4236 Pest-W	N	Y	Pest126		
			442 LSP4236 Pest-W					
			443 43159-1 Pest-W D.E.S / 0316 ^{FILE 3/10/95} BAC					
			444 BP4237 PIP-W					
			445 LSP4237 PIP-W					
			446 43165-1 PIP-W D>13 BAC					
			447 916001-259 PIP-W TLP Blank					
			448 BP4239 PCB-ms	N	Y	PCB1251060		
			449 LSP4239 R2-ms	↓	↓	↓	✓	✓

0000109

PACE, INCORPORATED
GC Instrument Run Log

0000045

Circle one:
CLP/PHC/OPP/HERB (P-9)

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/7/95	(P)	G111W1602C	44280-6 P/P-LS L/N01 V6/8 <small>67195 1:2 diln</small>	N	N	PestH31	112/110	G1110606
		027	-7					
		028	-8					
		029	-9					
		030	IND 2AB P800	N	Y			
		031	AR1242 0.5PPM P8613					
		032	AR1248 P8614					
		033	AR1254 P8615					
		034	44280-10 P/P-LS L/N01 V6/8 <small>67195 1:2 diln</small>	N	V			
		035	-11					
		036	-12					
6/7/95	(P)	037	P852 0.1PPM EVAL	N	Y	PestH32		G1110607
		038	P8576 IND 0.5AB					
		039	P8577 1AB					
		040	P8600 2AB					
		041	P8578 3AB					
		042	P8579 5AB					
		043	P8527 0.5PPM TOX					
		044	AR1254 0.5PPM P8668 <small>1 - 11/100/100 11 - 105/10/104</small>	N	Y	PCB294060A		
		045	BP4322 SCC P/P-LS	N	Y	PestH32		
		046	LSP4322 P/P-LS					
		047	LSP4322 SCC P/P-LS					
		048	BP4320 P/P-W					
		049	LSP4320 P/P-W					
		050	44280-1 P/P-LS L/N01 V6/8 1:20 diln	N	Y	(Ampl: 1:10 diln)		
		051	-2					
		052	-3					
		053	-4					
		054	-6					
6/8/95		055	IND 2AB P8600 <small>1 - all pms 11 - 12.7/10 - Hgt. 1 - 113/110/110</small>	N	Y			
		056	AR1254 0.5PPM P8669 <small>11 - 98/105/109</small>	N	Y	PCB294060A		

needs dilutions
and sulfur cleans

need dilutions / sulfur cleans

PACE, INCORPORATED
GC Instrument Run Log

0000046

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-2

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/8/95	Ⓢ	G111W18057	44280-7 P/P-LS L/N01 V6/8 S.C.	N	Y	Pest132	112/110	G1/110607
		058	-8			1:2 diln		
		059	-9			(1:5 diln) S.C.		
		060	-10			1:5 diln		needs further dilution
		061	-11			S.C. (MS)		
		062	-12			S.C.		
		063	-13 P/P-W L/N01 V6/8					
		064	-14					
		065	IND2AB P8600			1 - 280 pass 11 - 287-22-20 11 - 287-22-20		
		066	AR1254 0.5PPM P8668			1 - 115110113 11 - 115110113		
		6/11/11W18067	44280-1 P/P-LS L/N01 V6/8 1:10 diln	N	Y	Pest132		G1/110608
		068	-3			1:5 diln		
		069	-4			1:25 diln		
		070	-8			1:5 diln		
		071	-10			1:10 diln		
6/8/95	Ⓢ	G111W18072	44280-1MS P/P-LS L/N01 V6/9 1:10 diln	N	N	Pest132	112/110	G1/110608
		073	-1MS0					
6/9/95	Ⓢ	G111W18074	IND2AB P8600			1 - all pass 11 - 287-22-20 11 - 287-22-20		
		075	44280-1MS P/P-LS L/N01 V6/8 1:10 diln	N	Y			
		-	-			6/10/95		
6/9/95	Ⓢ	G111W18076	AR1254 0.5PPM P8668			1 - 4/105/113 11 - 97/99/11		
		077	6P4324 P/P-LS					
		078	LSP4324 P/P-LS					
		079	44328-6 P/P-LS L/N02 V6/13					
		080	-6MS					
		081	-6MS0					
		082	-1					Report PCBs individual
		083	-2					
		084	-3					
		085	-4					check Report PCBs individual.
		086	P8600 IND2AB			all pass		

PACE, INCORPORATED
GC Instrument Run Log

0000047

Circle one:
CLP/PHC/OPP/HERB(X-P)

Reviewed by _____ Date _____

Date	Init	result file	Sample	MI	✓	Method	column	Sequence
6/10/95	Ⓢ	6/11/18087	AR1254 0.5PPM P8668 all pass	N	Y	PC61251600A	112/110	6/11/0609
		088	44328-5 P/P-WS L2NO2 V6113	N	N	Pest132A		
		089	-7		*			Reprint
		090	-8					PCBs
		091	-9					on undiluted
		092	-10					extract
		093	-11					
		094	-12					
		095	-13					
		096	INO2AB P8600 all pass	N	Y	Pest132A		
		097	AR1254 0.5PPM P8668 all pass			PC61251600A		
6/12/95	Ⓢ	6/11/18098	INO2AB P8675 all pass			Pest132A		
		099	AR1254 0.5PPM P8668 all pass			PC61251600A		
		100	44328 44325 - 1 P/P-WS L2NO2 V613 1:20 diln	N	Y	Pest132A		6/11/0612
		101	-4		Y			
		102	-5		N	try a 1:20 diln		
		103	-6		N	try a 1:100 diln		
		104	-7		U	try 1:25 diln		
		105	-8		Y			
		106	-9		N	try a 1:200 diln		
		107	-10		Y			
		108	-11					
		109	-12					
		110	INO2AB P8675 1-all pass 4-Replicate 15 4/10	N	Y	Pest132A		
		111	AR1254 0.5PPM P8668	N	Y	PC61251600A		
		112	44328-13 P/P-WS L2NO2 V613 1:20 diln	N	N	Pest132A (try a 1:20 diln)		
		113	BP4325 P/P-W L2NO2	N	N	(DOT count)		
		114	LSP4325 P/P-W L2NO2		Y			
		115	44328-14 P/P-W L2NO2 V613					
6/13/95		116	-15					
		117	-16					

0000112

PACE, INCORPORATED
GC Instrument Run Log

0000048

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/13/45	Ⓢ	G/11W18118	44328-17 P/P-W LSN02 V613	N	Y	PestH32A	112/110	G/110612
			119 LSP4322 P/P-LS Re-aliqunt	N	Y	L		
			120 IN02AB P8675 <small>1-End-1670 11-Next-16470-End 16.8</small>	N	Y	PestH32A		
			121 AR1254 0.5PPM P8668 all pass	N	Y	PCB1254060A		
			122 44238-1 P/P-W NH025/BAC/D616	N	Y	PestH32A		
			123 44316-4 P/P-W Semmuk/BAC/D625	N	Y	L		
			124 E1269 Pict Spike Test (demo used)	N	Y	L		
6/13/45	Ⓢ	Signal #1 = 16.8	Signal #2 = 12.4	-	-	-	-	-
		G/11W18125	IN02AB P8675 <small>1-End-15110, End 11-End-20710 20.7</small>	N	Y	PestH32A	112/110	S.S.
			126 AR1254 0.5PPM P8668 all pass	N	Y	PCB1254060A		L
			127 44328-5 P/P-LS LSN02 V613 1:500diln	N	Y	PestH32A (by 1:100diln)		G/110613
			128 -6DL 1:1000diln	N	Y			
			129 -7 1:25diln	N	Y			
			130 -9 1:200diln	N	Y			
			131 -13 1:50diln	N	Y			
			132 -50L 1:100diln	N	Y			
6/13/45	Ⓢ	G/11W18133	44328-6MS P/P-LS LSN02 1:1000diln	N	Y	PestH32A	112/110	G/110613
			134 -6MSD L	N	Y	L		L
6/14/45		Signal #1 = 16.2	Signal #2 = 12.3	-	-	-	-	-
	Ⓢ	G/11W18135	IN02AB P8675 <small>1-End 23270 11-End 23310 1-100/671105</small>	N	Y	PestH32A	112/110	G/110614
			136 AR1254 0.5PPM P8668 11-97/62/103	N	Y	PCB1254060A		
			137 AR1660 0.5PPM P8676 <small>1-10/104/107/107 11-102/104/107/107</small>	N	Y	PCB1660025		
			138 44328-5 P/P-LS LSN02 V613 No dilution	N	Y	L		
			139 L L L L	N	Y	L		
6/15/45		changed	liner	-	-	-	-	-
6/15/45	Ⓢ	G/11W18140	IN02AB P8675	N	Y	PestH32A	112/110	G/110614
			141 IN02AB L	N	Y	L		L
			142 P8556 0.1PPM EVAL <small>Ⓢ changed JSP85733</small>	N	Y	JSP85733		G/110615
			143 IN0 0.5AB P8677	N	Y	L		
			144 L AB P8678	N	Y	L		
			145 L AB P8675	N	Y	L		

PACE, INCORPORATED
GC Instrument Run Log

0000049

Reviewed by _____ Date _____

Circle one
CLP/PHC/OPP/HERE/P-P

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/15/85	Ⓟ	G111118146	IND 3 AB P8679	N	Y	PestH33	112110	G11110015
		147	IND 5 AB P8680	↓	↓	↓		
		148	P8567 0.5PPM TOX	↓	↓	↓		
		149	AR1254 0.5PPM P8668	- 95/96/100 - 92/100/100	N	Y	PCB1254060A	
		150	AR 1660 0.5PPM P8676	- 95/101/101 - 95/100/100	N	Y	PCB1660075	
		151	BP4327 P/P-LS LTN02 3	N	Y	PestH33		
		152	LSP4327 P/P-LS LTN02 3					
		153	BP4378 P/P-W LTN03					
		154	LSP4326 P/P-W LTN02					
		155	44360-1 P/P-W LTN02 1:16					
		156	↓ -2 ↓					
		157	↓ -3 P/P-LS LTN03	1:10/1:40 diln	N	N	(try a 1:10 diln)	
		158	44328-5RE P/P-LS LTN03	1:100 diln	N	Y		
		159	↓ GRE ↓ LTN03	1:1000 diln	N	N	(try a 1:2500 diln)	
6/16/85		160	↓ ARE ↓ LTN03	1:200 diln	N	Y		
		161	IND 2 AB P8675	all pass	N	Y	PestH33	
		162	AR1254 0.5PPM P8668	1-10 103/105	N	Y	PCB1254060A	
		163	AR1660 0.5PPM P8676	1-10 101/104	N	Y	PCB1660025	
		164	44360-3MS P/P-LS LTN03	1:103/1:40 diln	N	N	PestH33 (try a 1:10 diln)	
		165	↓ -3MS ↓	↓	N	N		
		166	BP4327B P/P-LS Test for Sur. Rec.		N	Y		
		167	IND 2 AB P8675	all pass	N	Y		
		168	44360-3 P/P-LS LTN03	1:50/1:10 diln	N	Y	PestH33	
		169	↓ -3MS ↓	↓	N	N	(try a 1:5 diln)	G11110616
		170	↓ -3MS ↓	↓	N	N	(try a 1:20 diln)	
		171	44328-5RE P/P-LS LTN02		N	Y	PCB1660025	
		172	↓ -GRE ↓	↓	N	N	(try a 1:5 diln)	
		173	ROL 44328-6 RE P/P-LS LTN02	1:2500 diln	N	Y	PestH33	
		174	IND 2 AB P8675	all pass	N	Y	PestH33	
		175	AR1254 0.5PPM P8668	1- 98/97/99 11- 87/100/101	N	Y	PCB1254060A	
		176	AR1660 0.5PPM P8676	1- 101/99/100/104 11- 100/100/98/100	N	Y	PCB1660025	

PACE, INCORPORATED
GC Instrument Run Log

0000050

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/16/95	82	G111W18177	44360-3MSG PIP-LS LNO3 1:5dln	N	Y	PestH33	112/110	G1110616
		178	L-3MSO ↓ ↓ 1:20dln	↓	↓	↓		↓
		179	44328-6 RE PIP-LS LNO2/1:5dln	N	Y	PCB1660025		G1110616A
		180	RP4331 PIP-MS	↓	↓	PestH33		
		181	LSR4331 ↓	↓	↓			
		182	44393-1 PIP-MS LNO4/V620	N	N	→ try a 1:20dln		
		183	-1MS ↓ ↓ ↓	↓	↓	↓		
		184	-1MSO ↓ ↓ ↓	↓	↓	↓		
		185	-2 ↓ ↓ ↓	↓	↓	try a 1:10 dln		
		186	-3 ↓ ↓ ↓	↓	↓	try a 1:20 dln		
		187	IND 2AB PCB75 11-100-22.4.0 #8641 - all pages	N	Y*	PestH33		
		188	AR1294 0.5ppm PCB66 1-10/99/101 11-98/97/89	N	Y	PCB1254060A		
		189	AR1660 ↓ PCB76 1-10/99/101/02 11-100/101/99/99	N	Y	PCB1660025		
		190	44393-4 PIP-MS LNO4/V620	N	N	PestH33 (try a 1:10 dln)		
		191	-5 ↓ ↓ ↓	N	N	(try a 1:10 dln)		
		192	-6 ↓ ↓ ↓	N	Y			
6/17/95		193	-7 ↓ ↓ ↓	↓	↓			
		194	-8 ↓ ↓ ↓	↓	↓			
		195	-9 ↓ ↓ ↓	↓	↓			
		196	-10 ↓ ↓ ↓	↓	↓			
		197	44328-5 PIP-MS LNO2	N	N	(need activation - try at 1:50 dln)		
		198	44280-8 PIP-MS LNO1	N	Y	↓		
		199	IND 2AB PCB75 (undistilled) both columns	N	Y*	PestH33		
		200	AR1294 0.5ppm PCB66 } did not	↓	↓	↓		
		201	AR1660 ↓ PCB76 } quant.	↓	↓	↓		
6/19/95		202	IND 2AB PCB75 11-100-28.5/0; and lab. 21/1/0 11-98/101/103	N	Y*	PestH33		
		203	AR1294 0.5ppm PCB66 1-10/110/108	N	Y	PCB1254060A		G1110619
		204	AR1660 ↓ PCB76 1-10/105/108/110 11-107/104/103/104	N	Y	PCB1660025		
		205	44393-1 PIP-MS LNO4/V620/1:20dln	N	Y	PestH33		
		206	-2 ↓ LNO4/V620/1:20 dln	N	Y	↓		
		207	-3 ↓ LNO4/V620/1:20dln	N	Y	↓		

PACE, INCORPORATED
GC Instrument Run Log

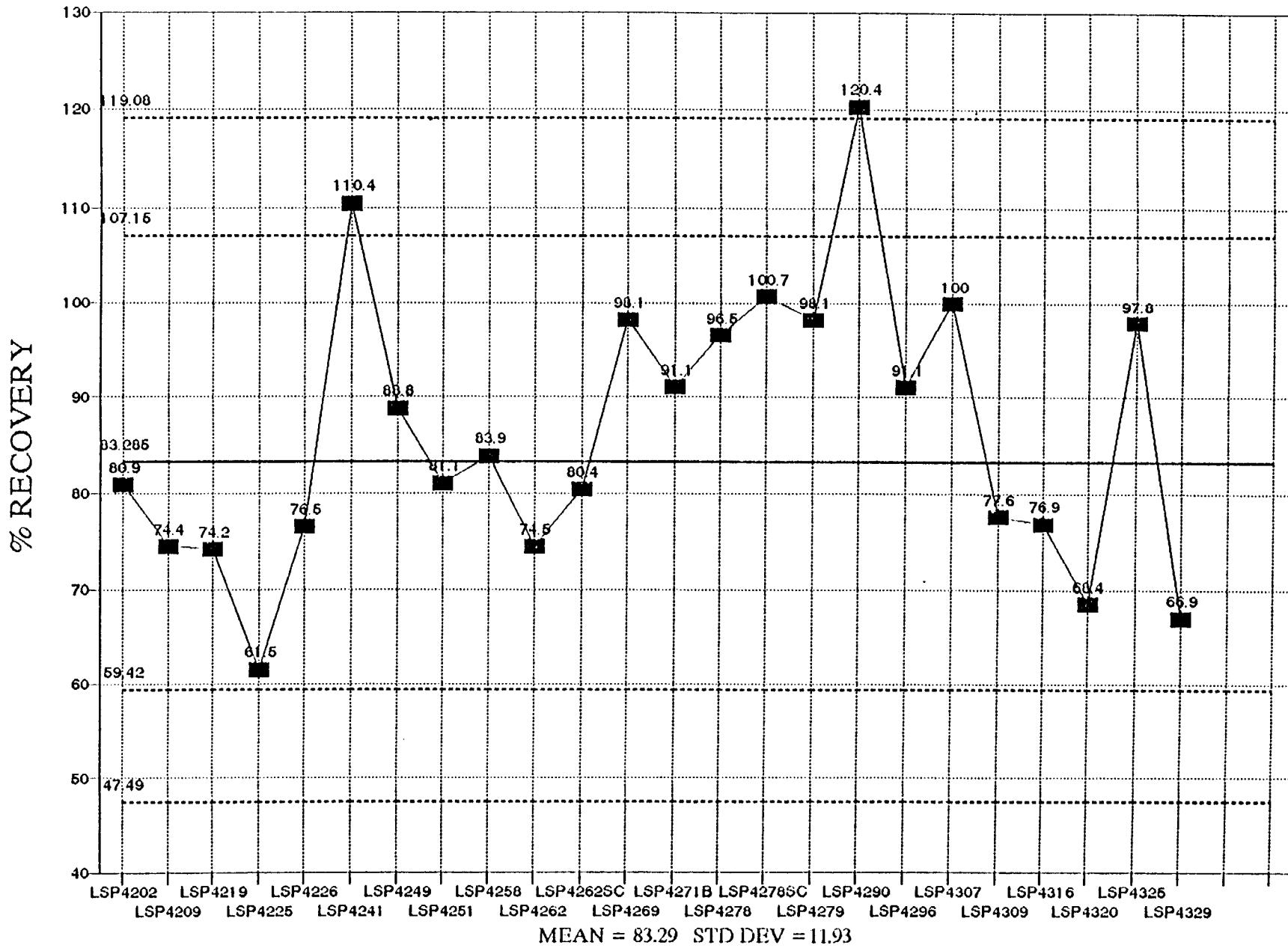
0000051

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

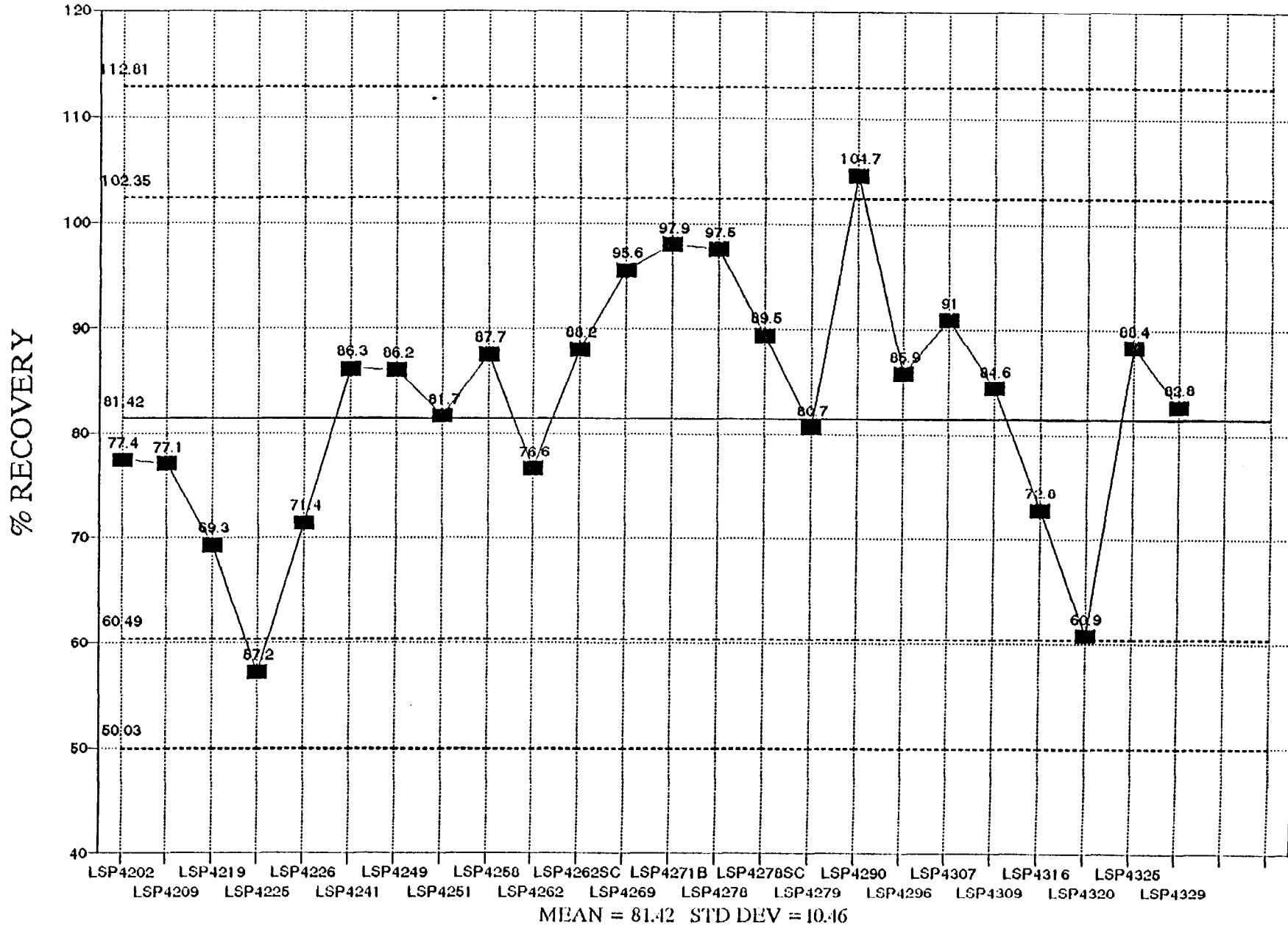
Date	init	result file	Sample	MI	v	Method	column	Sequence
6/19/95	Ⓟ	G1/11W18208	44393-4 P/P-MS L/N04/V620/1:10 dia	N	Y	PestH33	112/110	G1/110619
			209 L-5	N	Y			
			210 44328-5 P/P-MS L/N03/1:10 dia	N	N	(Am 1:10 dia)		
			211 44322-1 Post-W PacNJ TELP/V620	N	Y†	Retention time shifted.		
			212 44393-11 P/P-W L/N04/V620	N	Y†	↓ samples look clean but retention times off		
			213 IN02AB P8675 1 - 6 samples >15% 11 - 3 samples >15% 1 - 104/116/119 F	N	Y†	Pest133A		
			214 AR1254 0.5PPM P8668 11 - 100/105/112	N	Y†	PCB1254060A		
			215 AR1660 0.5PPM P8676 1 - 104/111/115/117 11 - 101/100/114/111	N	Y†	PCB1660025A		
			216 44322-1 Post-W PacNJ TELP/BAC/V620	N	Y	Pest133A		
			217 44393-11 P/P-W L/N04/V620					
			218 -12					
			219 -13					
6/26/95			changed liner + leaked oven out.	-	-	-	-	
6/26/95	Ⓟ	G1/11W18220	IN02AB P8675 (all pass)	N	Y	PestH33B	112/110	
			Signal #1 = 19.7 Signal #2 = 13.5	-	-	-	-	
6/26/95	Ⓟ	G1/11W18221	AR1254 0.5PPM P8668 1 - 107/100/110 11 - 104/93/97	N	Y	PCB1254060A	112/110	G1/110620
			222 AR1660 0.5PPM P8676 1 - 115/104/104/105 11 - 95/100/96/102	N	Y	PCB1660025A		
			223 BP4325 P/P-W R-aliquot L/N02	N	Y	PestH33B		
			224 BP4329 P/P-W	N	Y			
			225 LSP4329	N	Y			
			226 BP4330					
			227 LSP4330					
			228 9001-270 Post-W TELP Blank	N	Y			
			229 44370-5 P/P-W TELP/BAC/V622					
			230 -6					
			231 -6MC					
			232 -6MS0					
			233 IN02AB P8675 1 - and Kaban - 21.27.0 11 - all pass	N	Y†	PestH33B		
			234 AR1254 0.5PPM P8668 1 - 112/109/113 11 - 95/104/107	N	Y	PCB1254060A		
			235 AR1660 0.5PPM P8676 1 - 114/106/119/112 11 - 100/106/103/105	N	Y	PCB1660025A		
			236 44393-1MS P/P-MS L/N04/1:10 dia	N	N	PestH33B		

COMMERCIAL PESTICIDE WATERS- ENDRIN
 SPK REC LIMITS SET4/95-PPCBCH1\PEST2W94

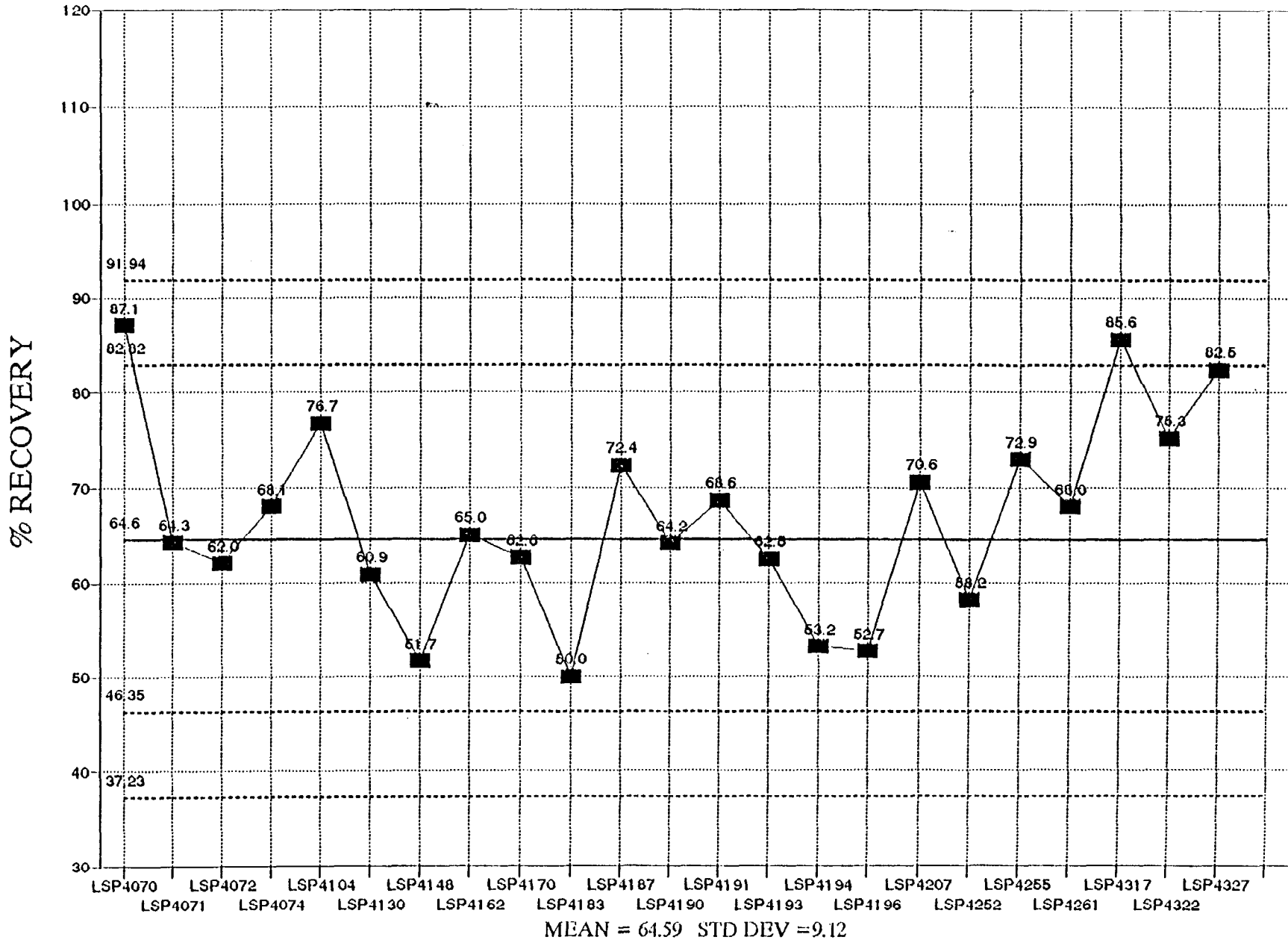


COMMERCIAL PESTICIDE WATERS- HEPTACHLOR

SPK REC LIMITS SET4/95-PPCBCH1\PESTW394

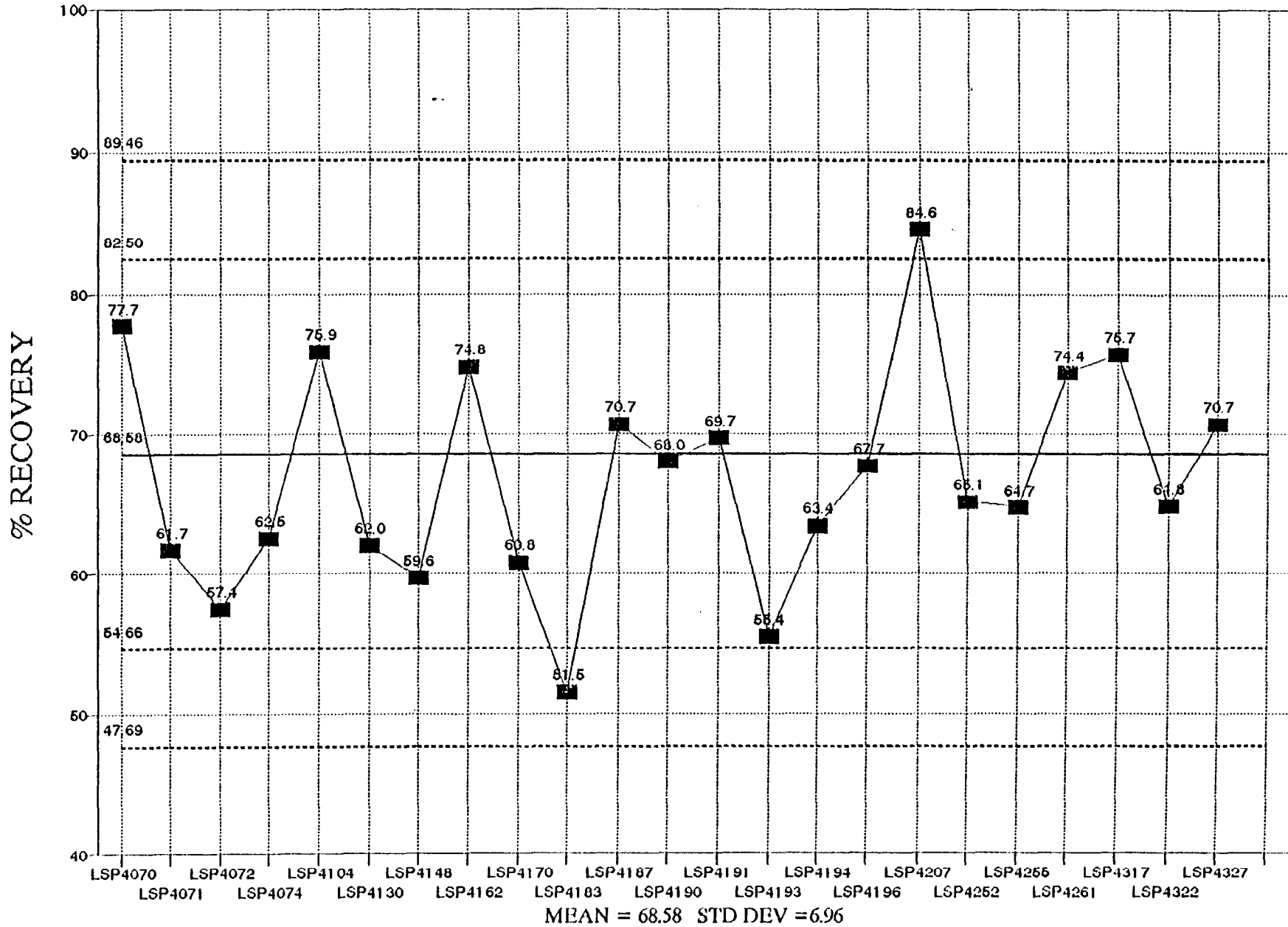


COMMERCIAL PEST. SOLIDS - ENDRIN
 SPKREC LIMITS SET4/95-PPCBCHT\PESTS994

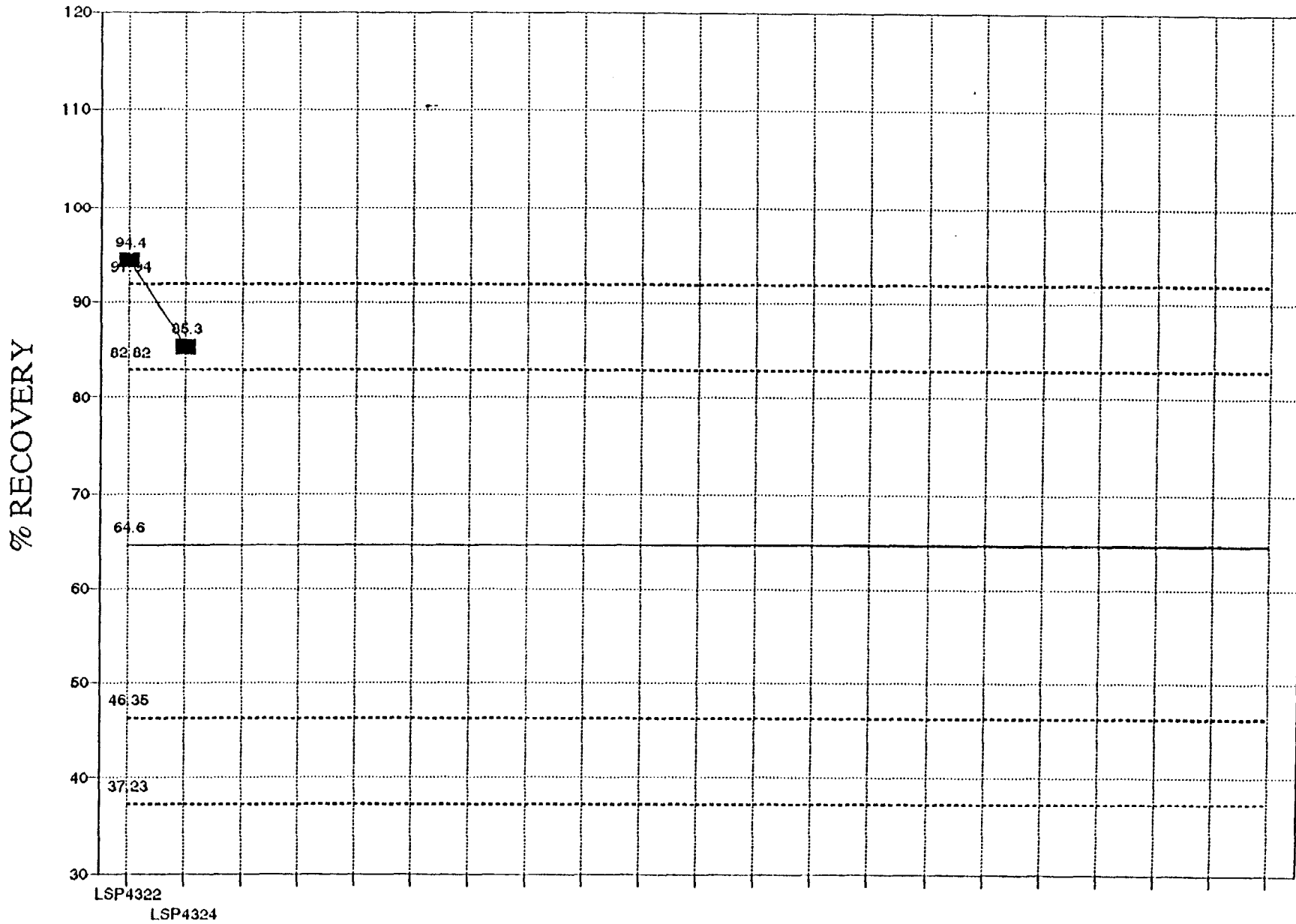


COMMERCIAL PESTICIDE SOLIDS- HEPTACHLOR

SPK REC LIMITS SET9/94-PPCBCH\PESTS894

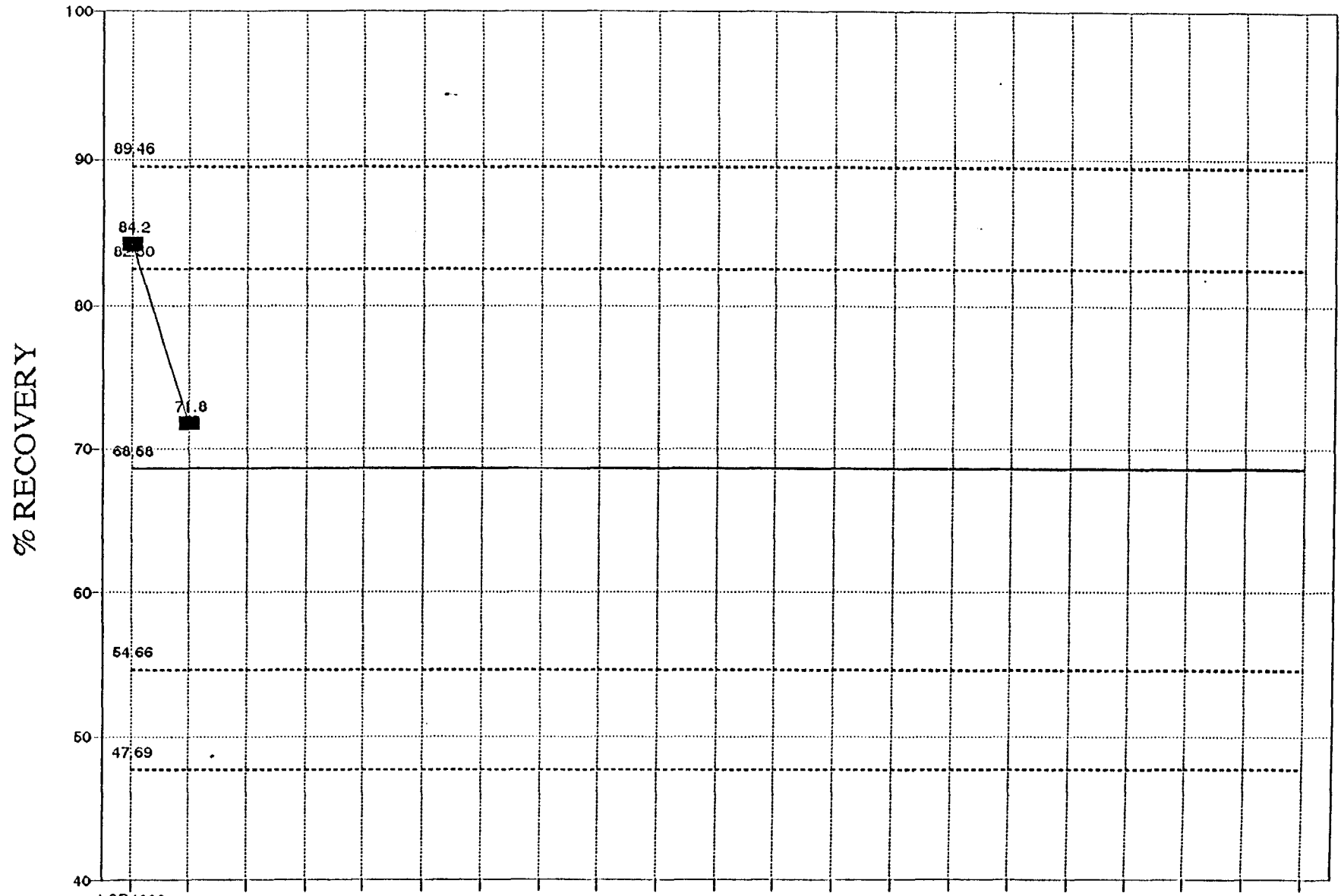


SCC PEST. SOLIDS - ENDRIN
SPKREC LIMS SET6/95-PPCBCHT\PESTSSCC



MEAN = 64.59 STD DEV = 9.12

SCC PESTICIDE SOLIDS- HEPTACHLOR
SPK REC LIMS SET6/95-PPCBCH\PESTHISCC



MEAN = 68.58 STD DEV = 6.96



OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

135265

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>Camp Lejeune D.O. 62</i>		PROJECT LOCATION <i>Camp Lejeune, NC</i>	
PROJ. NO. <i>16866</i>	PROJECT CONTACT <i>Randy Smith</i>	PROJECT TELEPHONE NO. <i>(910) 451-1809</i>	
CLIENT'S REPRESENTATIVE		PROJECT MANAGER/SUPERVISOR <i>Jim Dunn</i>	

NUMBER OF CONTAINERS

ANALYSIS DESIRED
(INDICATE SEPARATE CONTAINERS)

9080 MTH

44328

REMARKS

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED	REMARKS
1	<i>CLT62-A45 -001-BC</i>	<i>6/7</i>	<i>10:37</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>-1</i>	
2	<i>CLT62-A45 -001-CS</i>	<i>6/7</i>	<i>1041</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>-2</i>	
3	<i>CLT62-A45 -001-CSD</i>	<i>6/7</i>	<i>1041</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>3</i>	
4	<i>CLT62-A35 -011-CS</i>	<i>6/7</i>	<i>1112</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>-1</i>	
5	<i>CLT62-A25 -002-CS</i>	<i>6/7</i>	<i>1222</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>5</i>	
6	<i>CLT62-A25 -002-CSD</i>	<i>6/7</i>	<i>1225</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>6</i>	
7	<i>CLT62-A35 -015-CS</i>	<i>6/7</i>	<i>1258</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>7</i>	
8	<i>CLT62-A35 -014-BC</i>	<i>6/7</i>	<i>1251</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>8</i>	
9	<i>CLT62-A35 -014-CS</i>	<i>6/7</i>	<i>1248</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>9</i>	
10	<i>CLT62-A35 -015-BC</i>	<i>6/7</i>	<i>1239</i>		<i>X</i>	<i>Confirmation Sample</i>	<i>1</i>	<i>10</i>	

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
<i>1</i>	<i>1-10</i>	<i>[Signature]</i>		<i>6/8</i>	<i>1340</i>	<i>48 hr. TAT</i> <i>[Signature]</i> SAMPLER'S SIGNATURE
<i>2</i>			<i>[Signature]</i>	<i>6/9/85</i>	<i>1035</i>	
<i>3</i>						
<i>4</i>						

0000123



OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

135268

O.H. MATERIALS CORP.		P.O. BOX 551		FINDLAY, OH 45839-0551		419-423-3526														
PROJECT NAME <i>Camp Lejeune RD. 62</i>				PROJECT LOCATION <i>Camp Lejeune, NC</i>																
PROJ. NO. <i>16866</i>		PROJECT CONTACT <i>Randy Smith</i>		PROJECT TELEPHONE NO. <i>(910) 451-1809</i>																
CLIENT'S REPRESENTATIVE				PROJECT MANAGER/SUPERVISOR <i>Nim Dunn</i>																
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)												
								<div style="text-align: right;"><i>44328</i></div> <div style="text-align: center;">REMARKS</div>												
1	<i>CLT62-A3S -015-BED</i>	<i>6/7</i>	<i>1240</i>		<input checked="" type="checkbox"/>	<i>Confirmation Sample</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>11</i>											
2	<i>CLT62-A3S 013-BED</i>	<i>6/7</i>	<i>1228</i>		<input checked="" type="checkbox"/>	<i>Confirmation Sample</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>12</i>											
3	<i>CLT62-A3S -012-CS</i>	<i>6/7</i>	<i>1215</i>		<input checked="" type="checkbox"/>	<i>Confirmation Sample</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>13</i>											
4	<i>CLT62-A3-RB</i>	<i>6/7</i>	<i>1300</i>	<input checked="" type="checkbox"/>		<i>Rinsate Blank from Acc. 3</i>	<i>3</i>	<input checked="" type="checkbox"/>	<i>14</i>											
5	<i>CLT62-A4-RB</i>	<i>6/7</i>	<i>1043</i>	<input checked="" type="checkbox"/>		<i>Rinsate Blank from Acc. 4</i>	<i>3</i>	<input checked="" type="checkbox"/>	<i>15</i>											
6	<i>CLT62-A2-RB</i>	<i>6/7</i>	<i>1227</i>	<input checked="" type="checkbox"/>		<i>Rinsate Blank from Acc. 2</i>	<i>3</i>	<input checked="" type="checkbox"/>	<i>16</i>											
7	<i>CLT62-FB</i>	<i>6/7</i>	<i>1330</i>			<i>Field Blank</i>	<i>3</i>	<input checked="" type="checkbox"/>	<i>17</i>											
8																				
9																				
10																				
TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY		TRANSFERS ACCEPTED BY		DATE	TIME	REMARKS												
	<i>1-7</i>	<i>[Signature]</i>		<i>[Signature]</i>				<i>48 hr TAT</i>												
	<i>3</i>			<i>[Signature]</i>		<i>6/9/95</i>	<i>1035</i>													
	<i>4</i>			<i>[Signature]</i>				SAMPLER'S SIGNATURE												

Final Copy



REPORT OF LABORATORY ANALYSIS

June 29, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJN03
Laboratory: PACE New England - New Hampshire of Hampton, NH
Lab Numbers: 44360
Protocol: SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on June 14, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 6/14/95 (44360): Samples were received in one cooler. A temperature blank was not included with the shipment, therefore the cooler temperatures could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A3S-015-BC".

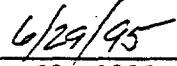
Pesticide/PCB Analysis: Sample 44360-3MS/MSD each required different dilutions to get target analytes into the calibration range. The recoveries for 44360-3MS were calculable except for 4,4'-DDE, DDD and DDT. The recoveries for 44360-3MSD were non-calculable except for DDE and DDT. This was a probable matrix effect.

Statement of Compliancy and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



June 29, 1995



NEW ENGLAND - NEW HAMPSHIRE LABORATORY
 SAMPLE RECEIPT CONDITION REPORT
 Tel. (603) 926-7777
 FAX (603) 926-7939

LAB# 44360

PAGE 1 of 1
 COOLER 1 of 1
 COC# 135267
 SDG# LJM 33
 CASE# UTM RC

CLIENT OHM Corporation

DATE/TIME RECEIVED 6/14/95 1015

LIMS ENTRY BY KAL

DELIVERED BY Fed-Ex

TRANSCRIPTION REVIEW BY W

RECEIVED BY [Signature]

LIMS REVIEW BY/PM GWF

	NA	YES	EXCEPTION	COMMENT	RESOLUTION			
1. CUSTODY SEALS PRESENT/INTACT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
3. CHAIN OF CUSTODY SIGNED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
4. CHAIN OF CUSTODY MATCHES SAMPLES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
5. SAMPLES RECEIVED AT 2° - 6° C Ice/Ice Packs Present? <input checked="" type="radio"/> or N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No Temp Blank</u>				
6. VOLATILES FREE OF HEAD SPACE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
7. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8. PROPER SAMPLE CONTAINERS AND VOLUME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
9. SAMPLES WITHIN HOLD TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
0. SAMPLES PROPERLY PRESERVED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
11. ANALYTICAL PROGRAMS (circle one)	COMMERCIAL	CLP	EPA-CLP	NYASP	NJ ISRA	<u>NEESA</u>	AFCEE	Other
12. NUMBER OF PACE FILTRATIONS:	_____							
13. CORRECTIVE ACTIONS REPORT #	_____							

Log-in Notes:

- 1, -2 are water
 - 3 is solid
 :

CLIENT AUTHORIZATION SIGNATURE _____

DATE _____

SAMPLE TABLE

CLIENT ID.	MATRIX	PACE #	PARAMETERS
CLJ62-A3-FB	WATER	44360-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3-RB	WATER	44360-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-016-BC *SQC*	SOLID	44360-003	PCBS ORGANOCHLORINE PESTICIDES

Laboratory number: 44360-001
Sample Designation: CLJ62-A3-FB
Date Extracted: 06/14/95
Date Analyzed: 06/15/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

BDL = Below reporting limit

Laboratory number: 44360-002
 Sample Designation: CLJ62-A3-RB
 Date Extracted: 06/14/95
 Date Analyzed: 06/15/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

BDL = Below reporting limit

Laboratory number: 44360-003
 Sample Designation: CLJ62-A3S-016-BC
 Date Extracted: 06/14/95
 Date Analyzed: 06/16/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 7 % , elevating the reporting limits
 by a factor of 1.08 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)		REPORTING LIMIT (ug/Kg)
Aldrin	BDL		40
alpha-BHC	BDL		40
beta-BHC	BDL		40
gamma-BHC (Lindane)	BDL		40
delta-BHC	BDL		40
alpha-Chlordane	21	J	40
gamma-Chlordane	19	J	40
4,4'-DDT	510		70
4,4'-DDE	43		40
4,4'-DDD	320		70
Dieldrin	BDL		40
Endosulfan I	BDL		40
Endosulfan II	BDL		70
Endosulfan sulfate	BDL		70
Endrin	BDL		40
Endrin aldehyde	BDL		70
Heptachlor	BDL		40
Heptachlor Epoxide	BDL		40
PCB-1242 (Arochlor 1242)	BDL		400
PCB-1254 (Arochlor 1254)	BDL		400
PCB-1221 (Arochlor 1221)	BDL		400
PCB-1232 (Arochlor 1232)	BDL		400
PCB-1248 (Arochlor 1248)	BDL		400
PCB-1260 (Arochlor 1260)	BDL		400
PCB-1016 (Arochlor 1016)	BDL		400
Toxaphene	BDL		1000
Endrin Ketone	BDL		70
Methoxychlor	BDL		400

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

SOIL PESTICIDE SURROGATE RECOVERY

Client: OHM REMEDIATION SERVICES CORPORATION
Project: CAMP LEJEUNE P/P
Level: Low Soil

Lab No.: 44360

CLIENT SAMPLE NO.	S1 (TCX) #	S2 (DCB) #	OTHER	TOT OUT
CLJ62-A3S-016-BC	0D	0D		0
B-P4327	60	79		0

QC LIMITS
S1 (TCX) = Tetrachloro-m-xylene 20 - 150
S2 (DCB) = Decachlorobiphenyl 20 - 150

Column to be used to flag recovery values with an asterisk
* Values outside of designated QC limits
D Surrogates diluted out



Laboratory number: B-P4327
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/15/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	3
ALPHA-BHC	BDL	3
BETA-BHC	BDL	3
GAMMA-BHC	BDL	3
DELTA-BHC	BDL	3
ALPHA-CHLORDANE	BDL	3
GAMMA-CHLORDANE	BDL	3
4,4'-DDT	BDL	7
4,4'-DDE	BDL	3
4,4'-DDD	BDL	7
DIELDRIN	BDL	3
ENDOSULFAN I	BDL	3
ENDOSULFAN II	BDL	7
ENDOSULFAN SULFATE	BDL	7
ENDRIN	BDL	3
ENDRIN ALDEHYDE	BDL	7
HEPTACHLOR	BDL	3
HEPTACHLOR EPOXIDE	BDL	3
PCB-1242	BDL	30
PCB-1254	BDL	30
PCB-1221	BDL	30
PCB-1232	BDL	30
PCB-1248	BDL	30
PCB-1260	BDL	30
PCB-1016	BDL	30
TOXAPHENE	BDL	100
ENDRIN KETONE	BDL	7
METHOXYCHLOR	BDL	30

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

Laboratory number: B-P4328
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/28/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	0.5
PCB-1254	BDL	0.5
PCB-1221	BDL	0.5
PCB-1232	BDL	0.5
PCB-1248	BDL	0.5
PCB-1260	BDL	0.5
PCB-1016	BDL	0.5
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44360-3 MS
 Sample Designation: CLJ62-A3S-016-BC MS
 Date Analyzed: 06/16/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	17.830	13.830	78
GAMMA-BHC	0	17.830	14.432	81
BETA-BHC	0	17.830	15.077	85
HEPTACHLOR	0	17.830	14.345	80
DELTA-BHC	0	17.830	20.752	116
ALDRIN	0	17.830	14.660	82
HEPTACHLOR EPOXIDE	0	17.830	16.252	91
4,4'-DDE	43	17.830	32.115	NC
DIELDRIN	0	17.830	19.437	109
ENDRIN	0	17.830	17.317	97
4,4'-DDD	320	17.830	114.361	NC
ENDOSULFAN II	0	17.830	16.838	94
4,4'-DDT	510	17.830	307.241	NC
ENDRIN ALDEHYDE	0	17.830	16.280	91
ENDOSULFAN SULFATE	0	17.830	16.805	94
METHOXYCHLOR	0	178.300	150.138	84
ENDOSULFAN I	0	17.830	14.443	81

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44360-3 MSD
 Sample Designation: CLJ62-A3S-016-BC MSD
 Date Analyzed: 06/16/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2		REL. DIFF. %
			ug/Kg FOUND	%REC- OVERY	
ALPHA-BHC	0	17.760	NC	NC	NC
GAMMA-BHC	0	17.760	NC	NC	NC
BETA-BHC	0	17.760	NC	NC	NC
HEPTACHLOR	0	17.760	NC	NC	NC
DELTA-BHC	0	17.760	NC	NC	NC
ALDRIN	0	17.760	NC	NC	NC
HEPTACHLOR EPOXIDE	0	17.760	NC	NC	NC
4,4'-DDE	43	17.760	56.257	NC	75
DIELDRIN	0	17.760	NC	NC	NC
ENDRIN	0	17.760	NC	NC	NC
4,4'-DDD	320	17.760	241.295	NC	NC
ENDOSULFAN II	0	17.760	NC	NC	NC
4,4'-DDT	510	17.760	744.100	NC	1300
ENDRIN ALDEHYDE	0	17.760	NC	NC	NC
ENDOSULFAN SULFATE	0	17.760	NC	NC	NC
METHOXYCHLOR	0	177.600	NC	NC	NC
ENDOSULFAN I	0	17.760	NC	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4328
 Sample Designation: LABORATORY CONTROL SAMPLES
 Date Analyzed: 06/15/95
 Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.228	91
GAMMA-BHC	0	0.250	0.231	92
BETA-BHC	0	0.250	0.242	97
HEPTACHLOR	0	0.250	0.232	93
DELTA-BHC	0	0.250	0.252	101
ALDRIN	0	0.250	0.223	89
HEPTACHLOR EPOXIDE	0	0.250	0.245	98
4,4'-DDE	0	0.250	0.248	99
DIELDRIN	0	0.250	0.243	97
ENDRIN	0	0.250	0.258	103
4,4'-DDD	0	0.250	0.227	91
ENDOSULFAN II	0	0.250	0.243	97
4,4'-DDT	0	0.250	0.261	104
ENDRIN ALDEHYDE	0	0.250	0.236	94
ENDOSULFAN SULFATE	0	0.250	0.258	103
METHOXYCHLOR	0	2.500	2.469	99
ENDOSULFAN I	0	0.250	0.240	96

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LSP4327
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 06/15/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	16.70	11.251	67
GAMMA-BHC	0	16.70	11.617	70
BETA-BHC	0	16.70	12.965	78
HEPTACHLOR	0	16.70	11.799	71
DELTA-BHC	0	16.70	14.182	85
ALDRIN	0	16.70	11.653	70
HEPTACHLOR EPOXIDE	0	16.70	11.314	80
4,4'-DDE	0	16.70	13.244	79
DIELDRIN	0	16.70	12.861	77
ENDRIN	0	16.70	13.777	82
4,4'-DDD	0	16.70	12.685	76
ENDOSULFAN II	0	16.70	13.154	79
4,4'-DDT	0	16.70	13.373	80
ENDRIN ALDEHYDE	0	16.70	12.077	72
ENDOSULFAN SULFATE	0	16.70	13.968	84
METHOXYCHLOR	0	167.00	134.023	80
ENDOSULFAN I	0	16.70	12.812	77

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

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| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC01/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:26:15
Method updated: 03/10/95 12:11:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17426.RES
Level 2 /DATA/GC01/RESULT/G1H17427.RES
Level 3 /DATA/GC01/RESULT/G1H17428.RES
Level 4 /DATA/GC01/RESULT/G1H17429.RES
Level 5 /DATA/GC01/RESULT/G1H17430.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.22	TCX	.99981	-2119.91	1233768.50	-537386.50
2	14.62	AR1254	.99996	297.02	43535.86	-4780.59
3	16.32	AR1254	.99999	36.56	62125.27	-3852.58
4	16.86	AR1254	.99995	-9.80	48502.26	-4637.60
5	17.38	AR1254	.99998	81.57	27120.31	-2429.93
6	18.77	AR1254	.99997	405.57	46914.61	-2820.04
7	29.98	DCB	.99998	342.75	530850.12	-256257.78

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

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| INITIAL CALIBRATION SUMMARY |
+-----+

for /DATA/GC11/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:24:30
Method updated: 03/10/95 15:05:52

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17426.RES
Level 2 /DATA/GC11/RESULT/G11H17427.RES
Level 3 /DATA/GC11/RESULT/G11H17428.RES
Level 4 /DATA/GC11/RESULT/G11H17429.RES
Level 5 /DATA/GC11/RESULT/G11H17430.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.66	TCX	.99975	-2362.56	1455482.70	-577617.25
2	13.54	AR1254	.99997	295.55	48500.99	-4090.71
3	15.04	AR1254	.99992	164.94	66311.34	-2601.04
4	15.56	AR1254	.99997	10.66	32668.95	-2907.08
5	15.80	AR1254	.99996	89.93	45384.80	-1248.26
6	16.91	AR1254	.99979	-250.71	26039.36	263.78
7	25.53	DCB	.99999	543.92	585667.87	-272356.81

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC01/METHOD/PEST133.MTH
Method created: 06/15/95 12:25:05
Method updated: 06/16/95 05:06:20

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1W18143.RES
Level 2 /DATA/GC01/RESULT/G1W18144.RES
Level 3 /DATA/GC01/RESULT/G1W18145.RES
Level 4 /DATA/GC01/RESULT/G1W18146.RES
Level 5 /DATA/GC01/RESULT/G1W18147.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.21	TCX	.99983	253.55	1164716.00	7010.76
2	8.25	ALPHA-BHC	.99891	-505.71	805688.25	15624676.0
3	9.51	GAMMA-BHC	.99927	-574.00	874593.62	13128124.0
4	9.78	BETA-BHC	.99956	-166.01	634375.25	2788897.00
5	10.80	HEPTACHLOR	.99999	5.56	891510.37	6248468.00
6	10.98	DELTA-BHC	.99956	-176.09	610781.62	14906886.0
7	11.90	ALDRIN	.99986	-74.06	690127.38	8891432.00
8	13.77	HEPTACHLOR EPOXIDE	.99967	-196.90	842287.37	5122288.00
9	14.43	GAMMA-CHLORDANE	.99997	-40.33	824747.87	5341099.00
10	14.98	ALPHA-CHLORDANE/ENDOSULFA	.99954	-731.19	764228.50	1641858.30
11	15.79	4,4'-DDE	.99921	-1073.96	769105.37	2937666.00
12	16.05	DIELDRIN	.99982	-713.97	757636.50	3145420.00
13	17.19	ENDRIN	.99974	-716.18	702232.00	2351309.50
14	17.67	4,4'-DDD	.99972	-639.61	518780.25	2839026.00
15	17.83	ENDOSULFAN II	.99986	446.21	790489.13	1660086.50
16	18.73	4,4'-DDT	.99973	-582.91	618018.12	2521213.00
17	18.87	ENDRIN ALDEHYDE	.99944	-124.55	658293.25	995226.50
18	19.41	ENDOSULFAN SULFATE	.99914	-327.88	687343.87	1376873.50
19	21.65	METHOXYCHLOR	.99992	-429.16	404047.19	-38112.09
20	21.98	ENDRIN KETONE	.99981	-492.36	549417.63	1964881.50
21	29.87	DCB	.99996	110.59	504689.44	-159902.09

$$R = B_0 + B_1X + B_2X^2$$

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PEST133.MTH
Method created: 06/15/95 12:25:59
Method updated: 06/16/95 05:07:13

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11W18143.RES
Level 2 /DATA/GC11/RESULT/G11W18144.RES
Level 3 /DATA/GC11/RESULT/G11W18145.RES
Level 4 /DATA/GC11/RESULT/G11W18146.RES
Level 5 /DATA/GC11/RESULT/G11W18147.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.65	TCX	.99972	-1302.78	1429469.00	-258539.78
2	8.20	ALPHA-BHC	.99940	-650.16	962836.87	11672936.0
3	9.44	GAMMA-BHC	.99965	-826.35	1052536.70	11322536.0
4	10.07	HEPTACHLOR	.99998	91.35	1019503.00	6901118.00
5	10.92	ALDRIN	.99969	-411.79	903235.25	7447079.00
6	11.77	BETA-BHC	.99999	-46.45	624850.12	2773970.50
7	12.53	DELTA-BHC	.99938	-234.20	649612.87	9477462.00
8	13.16	HEPTACHLOR EPOXIDE	.99959	-250.86	964377.88	3463147.00
9	14.03	ENDOSULFAN I	.99975	-58.14	820413.12	4457840.00
10	14.17	GAMMA-CHLORDANE	.99997	-117.07	908714.00	5464399.00
11	14.42	ALPHA-CHLORDANE	.99953	-253.90	991820.62	3058748.50
12	14.67	4,4'-DDE	.99983	-736.95	746290.87	3678828.00
13	15.21	DIELDRIN	.99972	-1092.12	887997.75	2947296.50
14	15.90	ENDRIN	.99968	-575.89	764851.75	2143830.50
15	17.22	4,4'-DDD	.99964	-925.20	637510.37	1964451.50
16	17.45	ENDOSULFAN II	.99962	-648.36	851798.37	1197408.50
17	17.76	4,4'-DDT	.99961	-217.86	630650.88	1826688.50
18	18.78	ENDRIN ALDEHYDE	.99973	-167.47	409673.13	735598.88
19	19.82	METHOXYCHLOR/ENDO SULFATE	.99962	-74.05	476730.94	-48234.92
20	21.14	ENDRIN KETONE	.99943	-408.54	602953.87	1352781.00
21	25.46	DCB	.99995	456.07	584179.62	-273260.19

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:19:35 am

/DATA/GC01/RESULT/G1W18149.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 15, 1995 5:16:45 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.095	.100	5.4	94.6
14.62	AR1254	.487	.500	2.7	97.3
16.31	AR1254	.500	.500	.0	100.0
16.85	AR1254	.470	.500	6.0	94.0
17.38	AR1254	.490	.500	2.1	97.9
18.76	AR1254	.464	.500	7.2	92.8
29.95	DCB	.100	.100	.4	100.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:19:49 am

/DATA/GC11/RESULT/G11W18149.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Thu Jun 15, 1995 5:16:45 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.092	.100	8.0	92.0
13.54	AR1254	.518	.500	3.7	103.7
15.03	AR1254	.507	.500	1.3	101.3
15.55	AR1254	.479	.500	4.1	95.9
15.80	AR1254	.507	.500	1.4	101.4
16.90	AR1254	.482	.500	3.5	96.5
25.50	DCB	.100	.100	.4	100.4

FACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:42:45 am

/DATA/GC01/RESULT/G1W18161.RES
/DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:48:21 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.096	.100	4.5	95.5
8.27	ALPHA-BHC	.020	.020	.9	99.1
9.53	GAMMA-BHC	.020	.020	2.1	97.9
9.80	BETA-BHC	.020	.020	1.2	101.2
10.81	HEPTACHLOR	.020	.020	1.7	98.3
11.00	DELTA-BHC	.020	.020	2.1	97.9
11.92	ALDRIN	.020	.020	1.3	98.7
13.80	HEPTACHLOR EPOXIDE	.020	.020	.9	100.9
14.45	GAMMA-CHLORDANE	.020	.020	.2	100.2
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	1.6	101.6
15.81	4,4'-DDE	.040	.040	.5	100.5
16.05	DIELDRIN	.039	.040	1.5	98.5
17.21	ENDRIN	.038	.040	5.1	94.9
17.70	4,4'-DDD	.040	.040	.6	99.4
17.85	ENDOSULFAN II	.040	.040	.3	100.3
18.75	4,4'-DDT	.040	.040	.5	99.5
18.90	ENDRIN ALDEHYDE	.043	.040	6.4	106.4
19.44	ENDOSULFAN SULFATE	.041	.040	3.1	103.1
21.68	METHOXYCHLOR	.198	.200	.8	99.2
22.03	ENDRIN KETONE	.042	.040	5.2	105.2
29.99	DCB	.105	.100	4.6	104.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:43:03 am

/DATA/GC11/RESULT/G11W18161.RES
/DATA/GC11/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:48:21 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.096	.100	4.1	95.9
8.21	ALPHA-BHC	.020	.020	.9	99.1
9.46	GAMMA-BHC	.019	.020	4.9	95.1
10.08	HEPTACHLOR	.019	.020	3.6	96.4
10.93	ALDRIN	.020	.020	1.4	98.6
11.79	BETA-BHC	.020	.020	2.2	97.8
12.54	DELTA-BHC	.020	.020	.4	100.4
13.17	HEPTACHLOR EPOXIDE	.020	.020	1.1	101.1
14.04	ENDOSULFAN I	.020	.020	2.4	102.4
14.19	GAMMA-CHLORDANE	.020	.020	.2	99.8
14.44	ALPHA-CHLORDANE	.020	.020	2.1	102.1
14.68	4,4'-DDE	.039	.040	3.7	96.3
15.23	DIELDRIN	.039	.040	2.2	97.8
15.91	ENDRIN	.038	.040	5.2	94.8
17.23	4,4'-DDD	.038	.040	3.9	96.1
17.47	ENDOSULFAN II	.040	.040	.2	99.8
17.78	4,4'-DDT	.041	.040	1.8	101.8
18.80	ENDRIN ALDEHYDE	.042	.040	5.9	105.9
19.84	METHOXYCHLOR/ENDO SULFATE	.237	.240	1.4	98.6
21.17	ENDRIN KETONE	.041	.040	2.6	102.6
25.52	DCB	.100	.100	.3	100.3

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:52:55 am

/DATA/GC01/RESULT/G1W18162.RES
/DATA/GC01/METHOD/PC81254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 1:25:59 am

RetTime	Analyte	Found	Nominal	%D	Recovery
4.23	TCX	.104	.100	4.3	104.3
14.64	AR1254	.519	.500	3.7	103.7
16.33	AR1254	.527	.500	5.4	105.4
16.88	AR1254	.517	.500	3.4	103.4
17.40	AR1254	.532	.500	6.5	106.5
18.78	AR1254	.488	.500	2.3	97.7
30.00	DCB	.105	.100	5.0	105.0

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 10:53:09 am

/DATA/GC11/RESULT/G11W18162.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 1:25:59 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.67	TCX	.104	.100	4.2	104.2
13.56	AR1254	.516	.500	3.2	103.2
15.05	AR1254	.498	.500	.3	99.7
15.57	AR1254	.514	.500	2.8	102.8
15.82	AR1254	.502	.500	.3	100.3
16.93	AR1254	.502	.500	.3	100.3
25.53	DCB	.104	.100	3.6	103.6

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:09:17 pm

/DATA/GC01/RESULT/G1W18174.RES
/DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:03:55 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.102	.100	1.8	101.8
8.27	ALPHA-BHC	.019	.020	5.1	94.9
9.54	GAMMA-BHC	.019	.020	2.7	97.3
9.80	BETA-BHC	.020	.020	1.6	98.4
10.82	HEPTACHLOR	.020	.020	2.1	97.9
11.00	DELTA-BHC	.020	.020	.7	99.3
11.93	ALDRIN	.020	.020	1.0	99.0
13.80	HEPTACHLOR EPOXIDE	.020	.020	2.0	98.0
14.46	GAMMA-CHLORDANE	.020	.020	.1	99.9
15.01	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	2.0	98.0
15.82	4,4'-DDE	.038	.040	5.7	94.3
16.06	DIELDRIN	.039	.040	1.7	98.3
17.22	ENDRIN	.036	.040	10.5	89.5
17.70	4,4'-DDD	.039	.040	2.9	97.1
17.86	ENDOSULFAN II	.040	.040	.8	99.2
18.76	4,4'-DDT	.039	.040	1.8	98.2
18.90	ENDRIN ALDEHYDE	.040	.040	.7	100.7
19.45	ENDOSULFAN SULFATE	.039	.040	2.1	97.9
21.69	METHOXYCHLOR	.194	.200	3.1	96.9
22.03	ENDRIN KETONE	.044	.040	11.0	111.0
29.97	DCB	.102	.100	1.8	101.8

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:09:53 pm

/DATA/GC11/RESULT/G11W18174.RES
/DATA/GC11/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:03:55 pm

RetTime	Analyte	Found	Nominal	ZD	Recovery
5.67	TCX	.101	.100	.7	100.7
8.22	ALPHA-BHC	.018	.020	8.7	91.3
9.47	GAMMA-BHC	.020	.020	1.8	98.2
10.09	HEPTACHLOR	.021	.020	3.0	103.0
10.94	ALDRIN	.019	.020	4.1	95.9
11.80	BETA-BHC	.021	.020	2.6	102.6
12.55	DELTA-BHC	.019	.020	4.0	96.0
13.18	HEPTACHLOR EPOXIDE	.019	.020	3.4	96.6
14.05	ENDOSULFAN I	.019	.020	3.0	97.0
14.20	GAMMA-CHLORDANE	.020	.020	.3	100.3
14.44	ALPHA-CHLORDANE	.019	.020	3.0	97.0
14.69	4,4'-DDE	.040	.040	.9	99.1
15.23	DIELORIN	.040	.040	.6	99.4
15.92	ENDRIN	.036	.040	10.2	89.8
17.24	4,4'-DDD	.038	.040	6.0	94.0
17.47	ENDOSULFAN II	.038	.040	3.9	96.1
17.79	4,4'-DDT	.040	.040	1.0	99.0
18.81	ENDRIN ALDEHYDE	.041	.040	1.9	101.9
19.84	METHOXYCHLOR/ENDO SULFATE	.232	.240	3.4	96.6
21.18	ENDRIN KETONE	.044	.040	10.5	110.5
25.51	DCB	.099	.100	.6	99.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:32:29 pm

/DATA/GC01/RESULT/G1W18175.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 12:41:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.098	.100	1.6	98.4
14.62	AR1254	.487	.500	2.5	97.5
16.31	AR1254	.507	.500	1.3	101.3
16.86	AR1254	.476	.500	4.8	95.2
17.58	AR1254	.492	.500	1.6	98.4
18.76	AR1254	.472	.500	5.6	94.4
29.96	DCB	.099	.100	.6	99.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:32:47 pm

/DATA/GC11/RESULT/G11W18175.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 12:41:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.65	TCX	.087	.100	12.8	87.2
13.54	AR1254	.520	.500	4.0	104.0
15.03	AR1254	.508	.500	1.6	101.6
15.55	AR1254	.483	.500	3.4	96.6
15.80	AR1254	.507	.500	1.5	101.5
16.90	AR1254	.491	.500	1.8	98.2
25.50	DCB	.101	.100	1.1	101.1

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

continued -
page 15

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: QASS42

METHOD: SCNC/3550

MATRIX: SOLID

Low

③ PM
6-14-95

TEST / LEVEL: PEST/PCB, Low

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	HA2SO4 (g)	INTER VOL (mL)	ALIQOUT VOL (mL)	FINAL VOL (mL)
-	PM	BP4327	30.	E1353 1.0 mL	LSP4327	N/A	60.	10.0	0.5	1.0
-	6-14-95	LSP4327	30.	2.0 PM	44328	E1359 500 mL	E1354	↓	↓	↓
14		44360-3	30.26	↓	6 mL MSD	1.0 PM N/A	↓	↓	↓	↓
<p>③ PM 6-14-95</p>										

500
615
41

COMMENTS: _____

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

SOP #:

GAS542

LOG BOOK NO: 2

METHOD: SONC/3550

MATRIX: SOLID

TEST / LEVEL: PEST/PCB

② PM
6-14-95

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	HA2SO4 (g)	INTER VOL (ml)	ALIQOT VOL (ml)	FINAL VOL (ml)
-	pm	BP4327	30.	E1353 9.0 ml	LSP4327	-	60	10.0	0.5	1.0
-	6-14-95	LSP4327	30.	2.0 par	44328 -6ms	E1356				
15		44328-50	30.54		-6ms	500 ml N/A				
16		-16	30.23							
17		-9	30.34							
-		44360-3ms	30.16			E1356 500 ml				
-		-3ms	30.29			1.0 par				
		BP4327B	30.			N/A				

sent
6/14
RHL

③ PM
6-14-95

COMMENTS:

② test blank to improve surr/spike ③ PM
poured solid extract through
funnel w/out Na2SO4 pm 6-14-95

PACE, INCORPORATED
GC Instrument Run Log

0000025

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

Date	init	result file	Sample	MI	✓	Method	column	Sequence
3/8/95	185	61111417389	AR1248 0.05 ppm P8493	N	N	met125	112/110	611110308
		390	AR1248 0.2 ppm P8495					
		391	AR1248 0.5 ppm P8496					
		392	AR1248 1.0 ppm P8497					
		393	AR1248 2.0 ppm P8498					
		394	AR1254 0.05 ppm P8499					
		395	AR1254 0.2 ppm P8501					
		396	AR1254 0.5 ppm P8502					
		397	AR1254 1.0 ppm P8503					
		398	AR1254 2.0 ppm P8504					
		399	AR1660 0.05 ppm P8505					
		400	AR1660 0.2 ppm P8507					
		401	AR1660 0.5 ppm P8508					
		402	AR1667 1.0 ppm P8509					
		403	AR1660 2.0 ppm P8510					
		404	AR1221 0.2 ppm P8520					
		405	AR1232 0.1 ppm P8486					
3/9/95	185	406	IND2A13 P8517 Test DCB					
		407	↓					
			using 32 min for GC01 DCB peak					
		408	End P8199 0.1 ppm	N	Y	met126	112/110	611110509
		409	P8515 Ind 0.5 AB					
		410	P8516 1 AB					
		411	P8517 2 AB					
		412	P8518 3 AB					
		413	P8519 5 AB					
		414	43127-2 RPW Environ/V4310/1:sec1in	N	Y	P85126		
		415	P8104 1 ppm TOX	N	Y	P85126		
		416	AR1242 0.05 ppm P8487	N	Y	P81242036		
		417	↓ 0.2 ↓ P8489					
		418	↓ 0.5 ↓ P8490					

Not accepted due to
wrong ramp. Need to
increase final time to get
DCB.

PACE, INCORPORATED
GC Instrument Run Log

0000026

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

Date	init	result file	Sample	MI	v	Method	column	Sequence
2/4/95	SW	G1/11417419	AR1242 1.0ppm PB491	N	Y	PCB1242036	112/110	G1110509
			420 AR1242 2.0ppm PB492			↓		
			421 AR1248 0.05 PPM PB493			PCB1248053		
			422 0.2 PB495			↓		
			423 0.5 PB496			↓		
↓			424 1.0 PB497			↓		
			425 2.0 PB498			↓		
3/10/95			426 AR1254 0.05 PPM PB499			PCB1254060		
			427 0.2 PB501			↓		
			428 0.5 PB502			↓		
			429 1.0 PB503			↓		
			430 2.0 PB504			↓		
			431 AR1660 0.05 ppm PB505			PCB1660025		
			432 0.2 PB507			↓		
			433 0.5 PB508			↓		
			434 1.0 PB509			↓		
			435 2.0 PB510			↓		
			436 AR1221 0.2 PPM PB520			PCB1221014		
			437 AR1232 0.1 PPM PB486	↓	↓	PCB123201		
			438 PB520 AR1221 0.2 PPM ^{CF→1-73,960} _{11-76,815}	N	Y	PCB1221014		
			439 PB401 INDOXAS (for OAC only) ^{SBC→CF→1-573,820} _{11-572,620}	N	Y	PostH25		
			440 PB464 AR1221 0.2 PPM ^{CF→1-77820} ₁₁₋₇₇₀₇₅	N	Y	PCB1221014		
			441 BP4236 Post-W	N	Y	Post126		
			442 LSP4236 Post-W					
			443 43159-1 Post-W D.E.S/O316 ^{Post 126}					
			444 BP4237 P/P-W					
			445 LSP4237 P/P-W					
			446 43165-1 P/P-W 02/13 BAC					
			447 42001-259 P/P-W TLP Blank	↓	↓	↓		
✓	✓		448 BP4239 PB-ms	N	Y	PCB1291060		✓
		✓	449 LSP4239 PB-ms	↓	↓	↓	✓	

PACE, INCORPORATED
GC Instrument Run Log

0000048

Circle one:
CLP/PHC/OPP/HERS/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/13/45	Ⓢ	G/111W1811A	44328-17 P/P-W LINOZ V613	N	Y	PestH32A	112/110	G/110612
			119 LSP4522 P/P-LS Re-align	N	Y	L		
			120 INO2AB P8675 <small>1-End-167.0 11-Start-1647.0-End-16.07</small>	N	Y*	PestH32A		
			121 AR1254 0.5PPM P8668 all pass	N	Y	PCB1254060A		
			122 44238-1 P/P-W NH025/BQC/D616	N	Y	PestH32A		
			123 44316-4 P/P-W Semmuk/BQC/D623	N	Y			
			124 E1269 Post Spike Test (downward)	N	Y*			
6/13/45	Ⓢ	Signal #1 = 16.8 Signal #2 = 12.4		-	-	-	-	-
		G/111W18125	INO2AB P8675 <small>1-End-16.120, End-in-20.410 11-End-in-20.710</small>	N	Y*	PestH32A	112/110	S.S.
			126 AR1254 0.5PPM P8668 all pass	N	Y	PCB1254060A		L
			127 44328-5 P/P-LS LINOZ V613 1:50diln	N	N	PestH32A (1:100diln)		G/110613
			128 -6DL 1:100diln	N	Y			
			129 -7 1:25diln	N	Y			
			130 -9 1:200diln	N	Y			
			131 -13 1:50diln	N	Y			
			132 -50L 1:100diln	N	Y			
6/13/45	Ⓢ	G/111W18133	44328-6MS P/P-LS LINOZ 1:100diln	N	Y	PestH32A	112/110	G/110613
			134 -6MS	N	Y	L		
6/14/45		Signal #1 = 16.2 Signal #2 = 12.3		-	-	-	-	-
	Ⓢ	G/111W18135	INO2AB P8675 <small>1-end-in 2327.0 11-end-in 2332.0 1-108/167/105 11-97/102/103 1-10/104/107/107 11-102/101/101</small>	N	Y*	PestH32A	112/110	G/110614
			136 AR1254 0.5PPM P8668	N	Y	PCB1254060A		
			137 AR1660 0.5PPM P8676	N	Y	PCB1660025		
			138 44328-5 P/P-LS LINOZ V613 No dilution	N	Y			
			139 L G L	N	N			
*6/15/45		→ changed liner		-	-	-	-	-
6/15/45	Ⓢ	G/111W18140	INO2AB P8675	N	N	PestH32A	112/110	G/110614
			141 INO2AB L	N	N			L
			142 P8556 0.1PPM EVAL	N	Y	Ⓢ P8556 JSPES733		G/110615
			143 INO 0.5AB P8677					
			144 1AB P8678					
			145 2AB P8675					

PACE, INCORPORATED
GC Instrument Run Log

0000049

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERE/P-2

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/15/95	Ⓟ	G111W15146	IND 3 AB P8679	N	Y	PestH33	112/110	G111W1515
			147 IND 5 AB P8680	↓	↓	↓		
			148 P8677 0.5PPM TOX	↓	↓	↓		
			149 AR1254 0.5PPM P8668 1-95/96/100	N	Y	PCB1254060A		
			150 AR1660 0.5PPM P8676 1-95/101/100/101	N	Y	PCB1660025		
			151 BP4327 P/P-LS LWN02/03	N	Y	PestH33		
			152 LSP4327 P/P-LS LWN02/03	↓	↓	↓		
			153 BP4378 P/P-W LWN03	↓	↓	↓		
			154 LSP4326 P/P-W LWN03	↓	↓	↓		
			155 44360-1 P/P-W LWN03/V616	↓	↓	↓		
			156 ↓ -2 ↓ ↓	↓	↓	↓		
			157 ↓ -3 P/P-LS LWN03/V616/1:100diln	N	N	(try a 1:10 diln)		
			158 44379 -SEAL P/P-LS LWN02/1:100diln	N	Y			
			159 ↓ -GRE ↓ LWN02/1:100diln	N	N	(try a 1:2500 diln)		
6/16/95			160 ↓ -GRE ↓ LWN02/1:200diln	N	Y			
			161 IND 2 AB P8675 all pass	N	Y	PestH33		
			162 AR1254 0.5PPM P8668 1-104/103/105	N	Y	PCB1254060A		
			163 AR1660 0.5PPM P8676 1-104/101/103/104	N	Y	PCB1660025		
			164 44360-3MS P/P-LS LWN03/1:100diln	N	N	PestH33 (try a 1:10 diln)		
			165 ↓ -3MS ↓ ↓	N	N			
			166 BP4327B P/P-LS Test for Sw. Rec.	N	Y			
			167 IND 2 AB P8675 all pass	N	Y			✓
			168 44360-3 P/P-LS LWN03/V616/1:100diln	N	Y	PestH33		
			169 ↓ -3MS ↓ ↓	N	N	(try a 1:5 diln)		G1110616
			170 ↓ -3MS ↓ ↓	N	N	(try a 1:20 diln)		
			171 44328 -SEAL P/P-LS LWN02	N	Y	PCB1660025		
			172 ↓ -GRE ↓	N	N	(try a 1:5 diln)		
			173 44379 -GRE P/P-LS LWN02/1:2500diln	N	Y	PestH33		
			174 IND 2 AB P8675 all pass	N	Y	PestH33		
			175 AR1254 0.5PPM P8668 1-98/97/99	N	Y	PCB1254060A	✓	✓
			176 AR1660 0.5PPM P8676 1-104/100/98/100	N	Y	PCB1660025		

PACE, INCORPORATED
GC Instrument Run Log

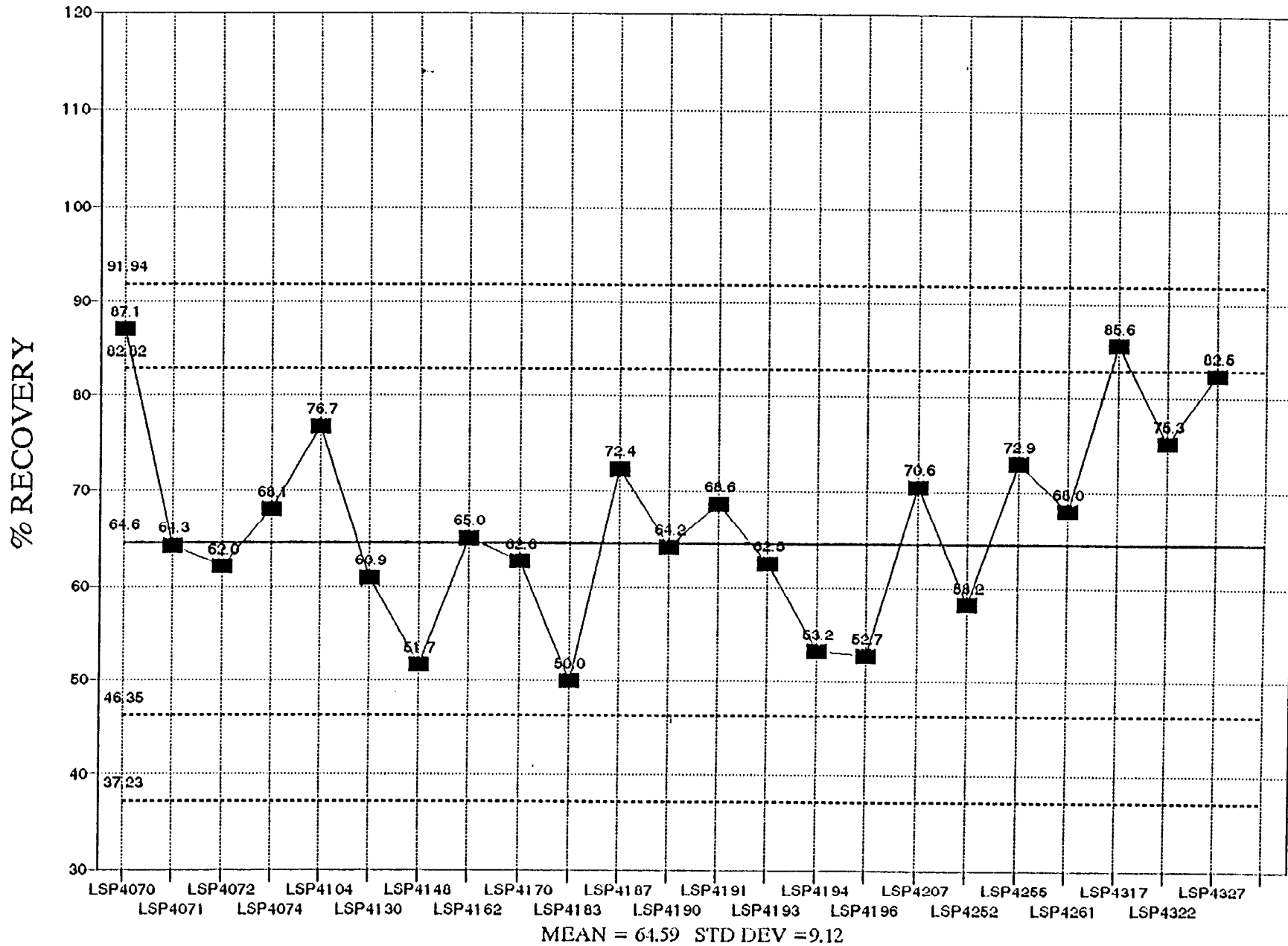
000050

Circle one:
CLP/PHC/OPP/HERB F-P

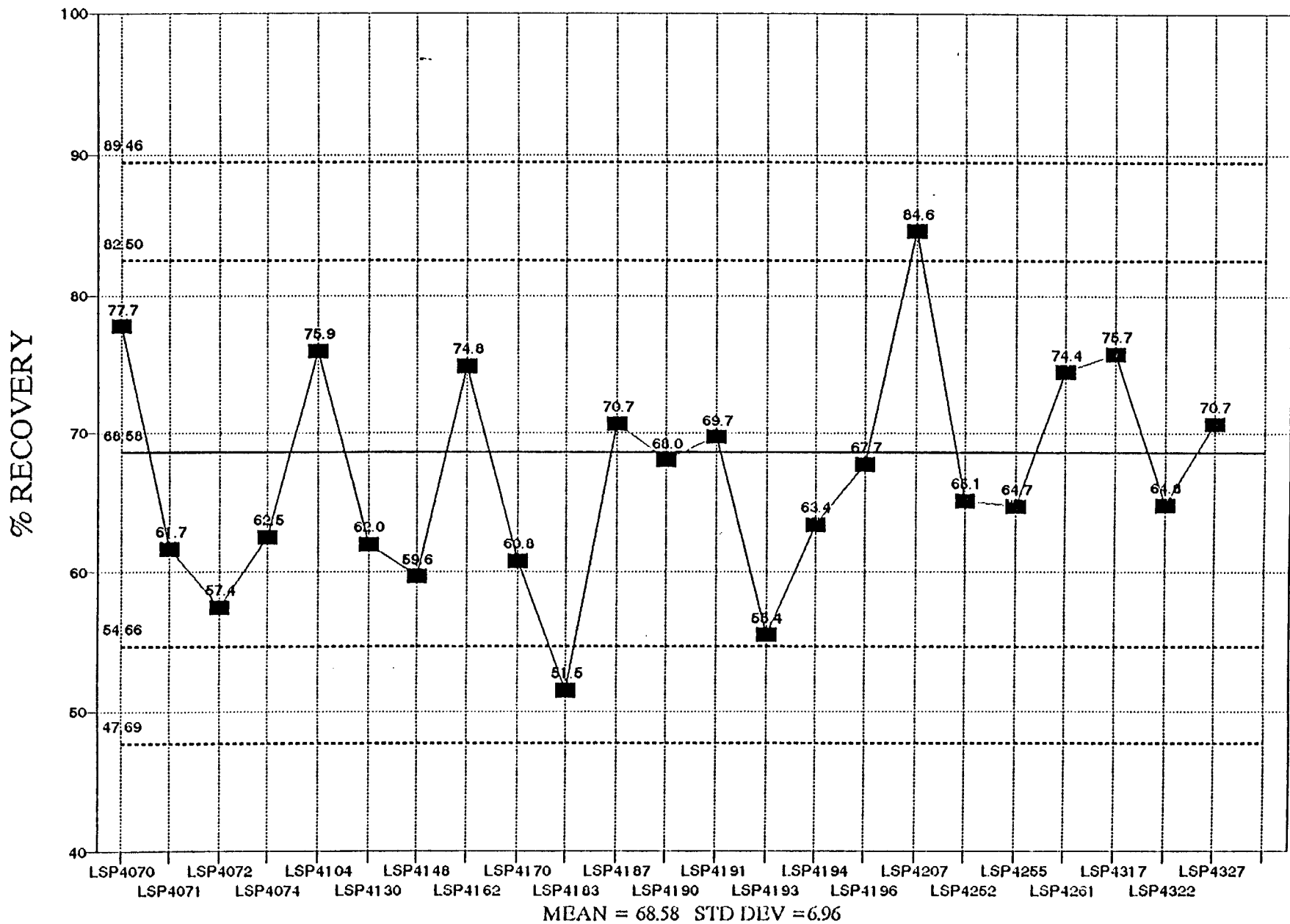
Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/16/95	(8)	G111W18177	44360-3MS ^{6/16/95} PIP-LS LWN03 1:5 diln	N	Y	PestH33	172/110	G1110616
		178	L -3MS0 ↓ ↓ 1:20 diln	↓	↓	↓		↓
		179	44328-6 RE PIP-LS LWN02 1:5 diln	N	Y	PCB1660025		G1110616A
		180	RP4331 PIP-MS	↓	↓	PestH33		
		181	LSP4331 ↓					
		182	44393-1 PIP-MS LWN04/V620	N	N	→ try a 1:20 diln		
		183	↓ -1MS ↓ ↓ ↓ ↓ ↓					
		184	↓ -1MS0 ↓ ↓ ↓ ↓ ↓					
		185	↓ -2 ↓ ↓ ↓ ↓ ↓			try a 1:10 diln		
		186	↓ -3 ↓ ↓ ↓ ↓ ↓	N	Y	try a 1:20 diln		
		187	IND 2 AB P8675 ^{11- kept 22-47.0} _{H8661 - all pass}	N	Y	PestH33		
		188	AR1294 0.5ppm P8668 ^{11- 10/99/101}	N	Y	PCB1254060A		
		189	AR1660 ↓ P8676 ^{11- 10/99/102} _{11- 10/10/199/199}	N	Y	PCB1660025		
		190	44393-4 PIP-MS LWN04/V620	N	N	PestH33 (try a 1:10 diln)		
		191	↓ -5 ↓ ↓ ↓ ↓ ↓	N	N	(try a 1:10 diln)		
		192	↓ -6 ↓ ↓ ↓ ↓ ↓	N	Y			
6/17/95		193	↓ -7 ↓ ↓ ↓ ↓ ↓					
		194	↓ -8 ↓ ↓ ↓ ↓ ↓					
		195	↓ -9 ↓ ↓ ↓ ↓ ↓					
		196	↓ -10 ↓ ↓ ↓ ↓ ↓					
		197	44328-5 PIP-MS LWN02	N	N	(need activation - try a 1:50 diln)		
		198	44280-8 PIP-MS LWN01	N	Y	↓		
		199	IND 2 AB P8675 (undrinkable) both columns	N	Y	PestH33		
		200	AR1294 0.5ppm P8668 } did not	↓	↓	↓		
		201	AR1660 ↓ P8676 } quant.	↓	↓	↓		
6/19/95		202	IND 2 AB P8675 ^{11- 000-285/0; and kit. 21110} _{11- undrinkable 178/0}	N	Y	PestH33		
		203	AR1294 0.5ppm P8668 ^{11- 10/110/108} _{11- 9/110/103}	N	Y	PCB1254060A		G1110617
		204	AR1660 ↓ P8676 ^{11- 11/105/108/110} _{11- 10/71104/102/104}	N	Y	PCB1660025		
		205	44393-1 PIP-MS LWN04/V620 1:10 diln	N	Y	PestH33		
		206	↓ -2 ↓ ↓ LWN04/V620 1:10 diln	N	Y	↓		
		207	↓ -3 ↓ ↓ LWN04/V620 1:20 diln	N	Y	↓		

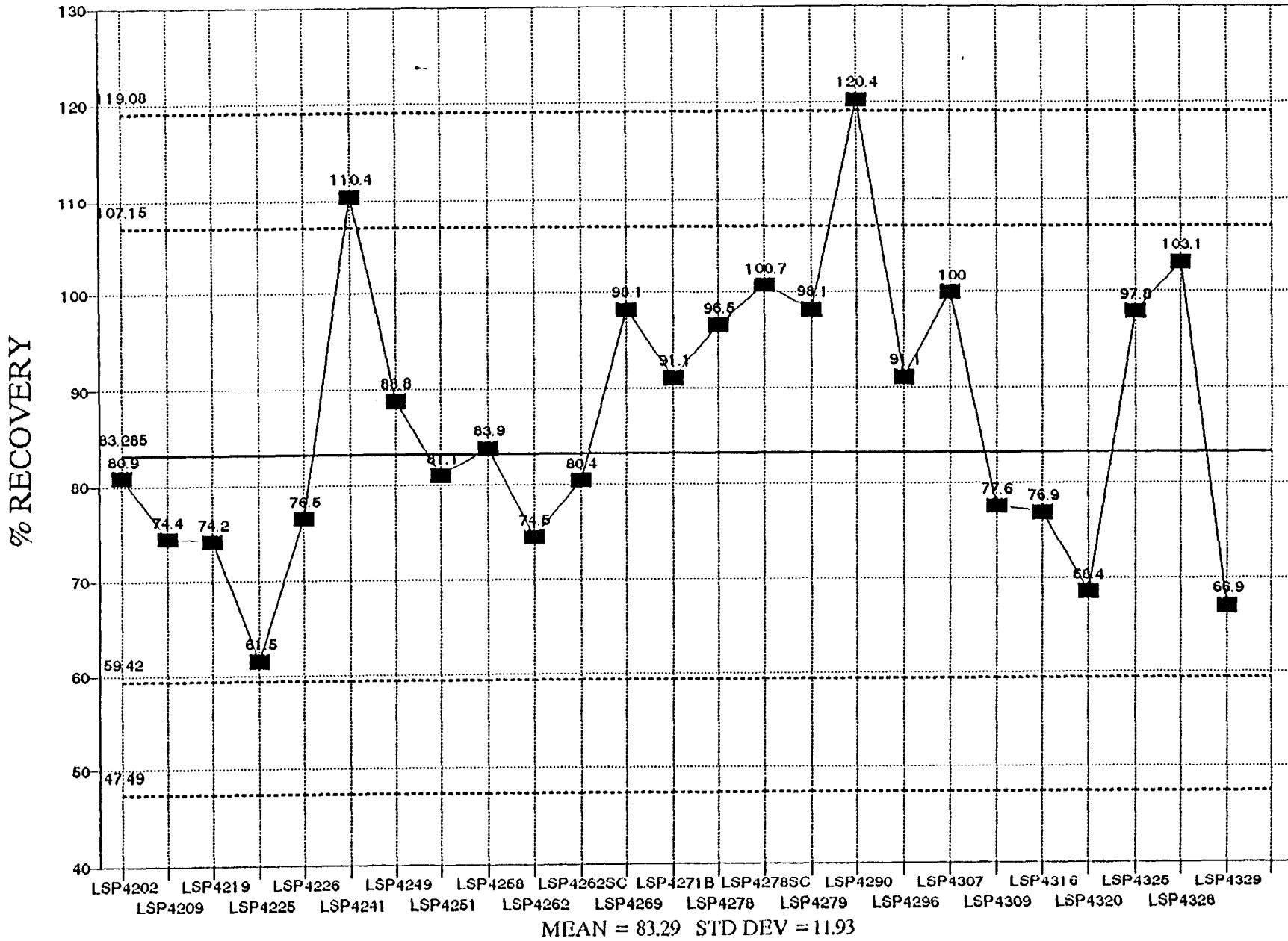
COMMERCIAL PEST. SOLIDS - ENDRIN
 SPKREC LIMITS SET4/95-PPCBCHT\PESTS994



COMMERCIAL PESTICIDE SOLIDS- HEPTACHLOR
 SPK REC LIMITS SET9/94-PPCBCH1\PESTS894

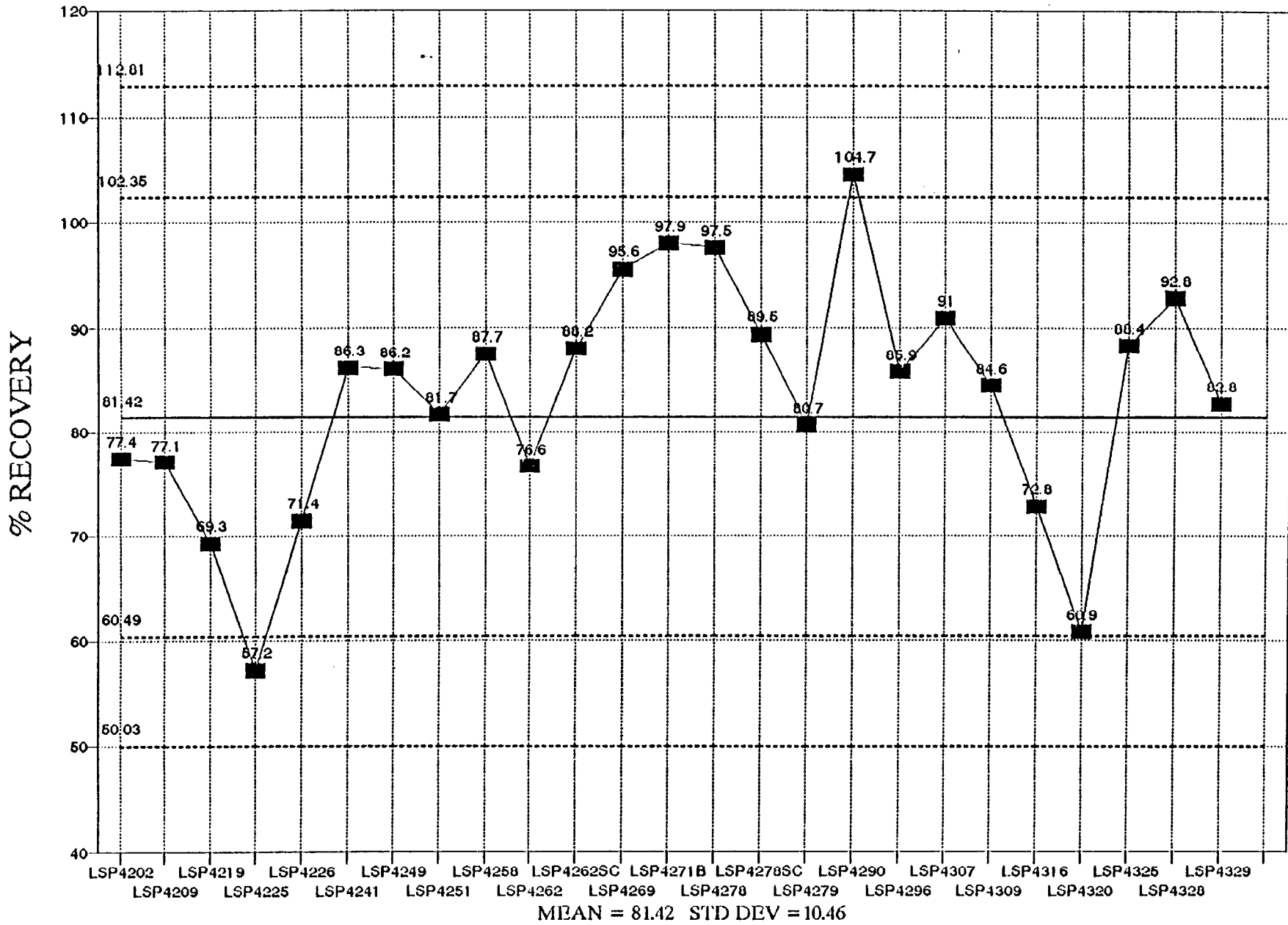


COMMERCIAL PESTICIDE WATERS- ENDRIN
 SPK REC LIMITS SET4/95-PPCBCH1\PEST2W94



COMMERCIAL PESTICIDE WATERS- HEPTACHLOR

SPK REC LIMITS SET4/95-PPCBCHT\PESTW394



00000040



REPORT OF LABORATORY ANALYSIS

July 6, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJNO4
Laboratory: PACE New England - New Hampshire of Hampton, NH
Lab Numbers: 44393
Protocol: SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on June 16, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 6/16/95 (44393): Samples were received in one cooler. A temperature blank was not included with the shipment, therefore the cooler temperature could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Custody seals were not present on the cooler. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A3S-11.6BC". Several minor discrepancies were noted upon receipt of samples. The sample designated on the COC as "CLJ62-A3S-11.6CSD" was labeled (bottle label) "CLJ62-A3S-16.6CSD" (44393-5). Per Rakesh Mishra (OHM), the Field ID listed on the bottle label was correct. One time discrepancy was noted between the COC record and the bottle label: The COC for "CLJ62-A2S-002ZCS" listed the sampling time as 1528 but the bottle label noted the sampling time as 1518. Five samples (as noted on the PACE Sample Receipt Condition Report) contained an additional zero in the Field ID on the bottle labels which did not appear in the Field ID listed on the COC. Per Rakesh Mishra, the field IDs for these samples were to be logged as per the COC. He also requested that these discrepancies were to be noted in the SDG narrative.

Pesticide/PCB Analysis: The sample 44393-1 MS/MSD required two different dilutions to get target analytes into the calibration range. Most of the analytes had recoveries that were non-calculable. The LSP4331 (P/P-MS) is plotted on a control chart that has limits determined from a low level extraction. When enough data points are collected from the medium level extraction, a new control chart with updated limits will be created.



REPORT OF LABORATORY ANALYSIS

SDG Narrative
Case: OHMRC, SDG: LJNO4

Pesticide/PCB Analysis: The method calibration for pesticides had a high % difference for the following analytes:

<u>Result File</u>	<u>Compound</u>
G11W18187	heptachlor - 22.4% D
G11W18202	endrin - 17.8% D
G11W18213	DDT - 17.6% D
	endrin aldehyde - 23.5% D
	endrin keytone - 26.4% D
G1W18202	DDD - 28.5% D
	endrin keytone - 21.1% D
G1W18213	endosulfan II - 19% D
	endrin ketone-32% D
	DDT - 17.2% D
	endrin aldehyde - 24.4% D
	DCB - 21.8% D
G1W18233	endrin ketone - 21.2% D
G1W18241	endrin ketone - 18.3% D

Sample data quality is unaffected as the samples were not quantitated against these standards.

Statement of Compliancy and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



July 6, 1995



NEW ENGLAND - NEW HAMPSHIRE LABORATORY

LAB# 44393

SAMPLE RECEIPT CONDITION REPORT

Tel. (603) 926-7777
FAX (603) 926-7939

PAGE 1 of 1
COOLER 1 of 1
COC# 144-23-4104/05
SDG# L J N 24
CASE# CHM RC

CLIENT DUM

DATE/TIME RECEIVED 6/16/95 1030

LIMS ENTRY BY KAL

DELIVERED BY Ted Eny

TRANSCRIPTION REVIEW BY

RECEIVED BY [Signature]

LIMS REVIEW BY/PM GNF

Table with columns: NA, YES, EXCEPTION, COMMENT, RESOLUTION. Rows include: 1. CUSTODY SEALS PRESENT/INTACT, 2. CHAIN OF CUSTODY PRESENT IN THIS COOLER, 3. CHAIN OF CUSTODY SIGNED, 4. CHAIN OF CUSTODY MATCHES SAMPLES, 5. SAMPLES RECEIVED AT 2° - 6° C, 6. VOLATILES FREE OF HEAD SPACE, 7. TRIP BLANK PRESENT IN THIS COOLER, 8. PROPER SAMPLE CONTAINERS AND VOLUME, 9. SAMPLES WITHIN HOLD TIME, 10. SAMPLES PROPERLY PRESERVED.

11. ANALYTICAL PROGRAMS (circle one) COMMERCIAL CLP EPA-CLP NYASP NJ ISRA NEESA AFCEE Other

12. NUMBER OF PACE FILTRATIONS: _____

13. CORRECTIVE ACTIONS REPORT # _____

Log-in Notes:
Cof-C = CLJ62-A35-13.6CS
CLJ62-A35-16.6CS
CLJ62-A35-16.6CSD
CLJ62-A35-17.6BC
CLJ62-A35-17.6CS
Label = CLJ62-A35-013.6CS
= CLJ62-A35-016.6CS
= CLJ62-A35-016.6CSD
= CLJ62-A35-017.6BC
= CLJ62-A35-017.6CS
CLJ62-A35-002ZCS time=1528 - Label = time 1518
Sample collected at 1138 on COC as "CLJ62-A35-16.6CS" but is labelled as "CLJ62-A35-16.6CSD"
Per Robert Mishra, the bottle label for "CLJ62-A35-16.6CSD" is correct.
GNF 6/16/95 Report Field IDs for the other samples as per COC.

SAMPLE TABLE

CLIENT ID.	MATRIX	PAGE #	PARAMETERS
CLJ62-A3S-11.6BC *SQC*	SOLID	44393-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-12.6-BC	SOLID	44393-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-13.6CS	SOLID	44393-003	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-16.6CS	SOLID	44393-004	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-16.6CSD	SOLID	44393-005	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-17.6BC	SOLID	44393-006	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-17.6CS	SOLID	44393-007	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-001ZBC	SOLID	44393-008	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-002ZCS	SOLID	44393-009	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-003ZCS	SOLID	44393-010	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-RB	WATER	44393-011	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-RB	WATER	44393-012	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-FB	WATER	44393-013	PCBS ORGANOCHLORINE PESTICIDES

Laboratory number: 44393-001
 Sample Designation: CLJ62-A3S-11.6BC
 Date Extracted: 06/16/95
 Date Analyzed: 06/19/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 7 % , elevating the reporting limits
 by a factor of 1.07 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	200
alpha-BHC	BDL	200
beta-BHC	BDL	200
gamma-BHC (Lindane)	BDL	200
delta-BHC	BDL	200
alpha-Chlordane	530	200
gamma-Chlordane	480	200
4,4'-DDT	240	J 400
4,4'-DDE	330	200
4,4'-DDD	2100	400
Dieldrin	BDL	200
Endosulfan I	BDL	200
Endosulfan II	BDL	400
Endosulfan sulfate	BDL	400
Endrin	BDL	200
Endrin aldehyde	BDL	400
Heptachlor	BDL	200
Heptachlor Epoxide	BDL	200
PCB-1242 (Arochlor 1242)	BDL	2000
PCB-1254 (Arochlor 1254)	BDL	2000
PCB-1221 (Arochlor 1221)	BDL	2000
PCB-1232 (Arochlor 1232)	BDL	2000
PCB-1248 (Arochlor 1248)	BDL	2000
PCB-1260 (Arochlor 1260)	BDL	2000
PCB-1016 (Arochlor 1016)	BDL	2000
Toxaphene	BDL	9000
Endrin Ketone	BDL	400
Methoxychlor	BDL	2000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44393-002
 Sample Designation: CLJ62-A3S-12.6-BC
 Date Extracted: 06/16/95
 Date Analyzed: 06/19/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 6 % , elevating the reporting limits
 by a factor of 1.07 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	100
alpha-BHC	BDL	100
beta-BHC	BDL	100
gamma-BHC (Lindane)	BDL	100
delta-BHC	BDL	100
alpha-Chlordane	330	100
gamma-Chlordane	370	100
4,4'-DDT	190	J 200
4,4'-DDE	170	100
4,4'-DDD	300	200
Dieldrin	BDL	100
Endosulfan I	BDL	100
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	100
Endrin aldehyde	BDL	200
Heptachlor	BDL	100
Heptachlor Epoxide	BDL	100
PCB-1242 (Arochlor 1242)	BDL	1000
PCB-1254 (Arochlor 1254)	BDL	1000
PCB-1221 (Arochlor 1221)	BDL	1000
PCB-1232 (Arochlor 1232)	BDL	1000
PCB-1248 (Arochlor 1248)	BDL	1000
PCB-1260 (Arochlor 1260)	BDL	1000
PCB-1016 (Arochlor 1016)	BDL	1000
Toxaphene	BDL	4000
Endrin Ketone	BDL	200
Methoxychlor	BDL	1000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44393-003
Sample Designation: CLJ62-A3S-13.6CS
Date Extracted: 06/16/95
Date Analyzed: 06/19/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 9 % , elevating the reporting limits
by a factor of 1.1 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	200
alpha-BHC	BDL	200
beta-BHC	BDL	200
gamma-BHC (Lindane)	BDL	200
delta-BHC	BDL	200
alpha-Chlordane	BDL	200
gamma-Chlordane	BDL	200
4,4'-DDT	240	J 400
4,4'-DDE	280	200
4,4'-DDD	1800	400
Dieldrin	BDL	200
Endosulfan I	BDL	200
Endosulfan II	BDL	400
Endosulfan sulfate	BDL	400
Endrin	BDL	200
Endrin aldehyde	BDL	400
Heptachlor	BDL	200
Heptachlor Epoxide	BDL	200
PCB-1242 (Arochlor 1242)	BDL	2000
PCB-1254 (Arochlor 1254)	BDL	2000
PCB-1221 (Arochlor 1221)	BDL	2000
PCB-1232 (Arochlor 1232)	BDL	2000
PCB-1248 (Arochlor 1248)	BDL	2000
PCB-1260 (Arochlor 1260)	BDL	2000
PCB-1016 (Arochlor 1016)	BDL	2000
Toxaphene	BDL	9000
Endrin Ketone	BDL	400
Methoxychlor	BDL	2000

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
concentration into the calibration range.
Detection limits were elevated accordingly.

Laboratory number: 44393-004
 Sample Designation: CLJ62-A3S-16.6CS
 Date Extracted: 06/16/95
 Date Analyzed: 06/19/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 13 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	100
alpha-BHC	BDL	100
beta-BHC	BDL	100
gamma-BHC (Lindane)	BDL	100
delta-BHC	BDL	100
alpha-Chlordane	BDL	100
gamma-Chlordane	BDL	100
4,4'-DDT	BDL	200
4,4'-DDE	BDL	100
4,4'-DDD	1100	200
Dieldrin	BDL	100
Endosulfan I	BDL	100
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	100
Endrin aldehyde	BDL	200
Heptachlor	BDL	100
Heptachlor Epoxide	BDL	100
PCB-1242 (Arochlor 1242)	BDL	1000
PCB-1254 (Arochlor 1254)	BDL	1000
PCB-1221 (Arochlor 1221)	BDL	1000
PCB-1232 (Arochlor 1232)	BDL	1000
PCB-1248 (Arochlor 1248)	BDL	1000
PCB-1260 (Arochlor 1260)	BDL	1000
PCB-1016 (Arochlor 1016)	BDL	1000
Toxaphene	BDL	5000
Endrin Ketone	BDL	200
Methoxychlor	BDL	1000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44393-005
 Sample Designation: CLJ62-A3S-16.6CSD
 Date Extracted: 06/16/95
 Date Analyzed: 06/19/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	100
alpha-BHC	BDL	100
beta-BHC	BDL	100
gamma-BHC (Lindane)	BDL	100
delta-BHC	BDL	100
alpha-Chlordane	BDL	100
gamma-Chlordane	BDL	100
4,4'-DDT	BDL	200
4,4'-DDE	BDL	100
4,4'-DDD	1400	200
Dieldrin	BDL	100
Endosulfan I	BDL	100
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	100
Endrin aldehyde	BDL	200
Heptachlor	BDL	100
Heptachlor Epoxide	BDL	100
PCB-1242 (Arochlor 1242)	BDL	1000
PCB-1254 (Arochlor 1254)	BDL	1000
PCB-1221 (Arochlor 1221)	BDL	1000
PCB-1232 (Arochlor 1232)	BDL	1000
PCB-1248 (Arochlor 1248)	BDL	1000
PCB-1260 (Arochlor 1260)	BDL	1000
PCB-1016 (Arochlor 1016)	BDL	1000
Toxaphene	BDL	5000
Endrin Ketone	BDL	200
Methoxychlor	BDL	1000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44393-006
Sample Designation: CLJ62-A3S-17.6BC
Date Extracted: 06/16/95
Date Analyzed: 06/16/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 13 % , elevating the reporting limits
by a factor of 1.15 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	10
alpha-BHC	BDL	10
beta-BHC	BDL	10
gamma-BHC (Lindane)	BDL	10
delta-BHC	BDL	10
alpha-Chlordane	BDL	10
gamma-Chlordane	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
Dieldrin	BDL	10
Endosulfan I	BDL	10
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	10
Endrin aldehyde	BDL	20
Heptachlor	BDL	10
Heptachlor Epoxide	BDL	10
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	BDL	100
PCB-1016 (Arochlor 1016)	BDL	100
Toxaphene	BDL	500
Endrin Ketone	BDL	20
Methoxychlor	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

Laboratory number: 44393-007
Sample Designation: CLJ62-A3S-17.6CS
Date Extracted: 06/16/95
Date Analyzed: 06/17/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 9 % , elevating the reporting limits
by a factor of 1.1 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	10
alpha-BHC	BDL	10
beta-BHC	BDL	10
gamma-BHC (Lindane)	BDL	10
delta-BHC	BDL	10
alpha-Chlordane	BDL	10
gamma-Chlordane	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
Dieldrin	BDL	10
Endosulfan I	BDL	10
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	10
Endrin aldehyde	BDL	20
Heptachlor	BDL	10
Heptachlor Epoxide	BDL	10
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	BDL	100
PCB-1016 (Arochlor 1016)	BDL	100
Toxaphene	BDL	400
Endrin Ketone	BDL	20
Methoxychlor	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

Laboratory number: 44393-008
 Sample Designation: CLJ62-A2S-001ZBC
 Date Extracted: 06/16/95
 Date Analyzed: 06/17/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 17 % , elevating the reporting limits
 by a factor of 1.2 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	10
alpha-BHC	BDL	10
beta-BHC	BDL	10
gamma-BHC (Lindane)	BDL	10
delta-BHC	BDL	10
alpha-Chlordane	BDL	10
gamma-Chlordane	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
Dieldrin	BDL	10
Endosulfan I	BDL	10
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	10
Endrin aldehyde	BDL	20
Heptachlor	BDL	10
Heptachlor Epoxide	BDL	10
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	BDL	100
PCB-1016 (Arochlor 1016)	BDL	100
Toxaphene	BDL	500
Endrin Ketone	BDL	20
Methoxychlor	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

Laboratory number: 44393-009
Sample Designation: CLJ62-A2S-002ZCS
Date Extracted: 06/16/95
Date Analyzed: 06/17/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 16 % , elevating the reporting limits
by a factor of 1.18 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	10
alpha-BHC	BDL	10
beta-BHC	BDL	10
gamma-BHC (Lindane)	BDL	10
delta-BHC	BDL	10
alpha-Chlordane	BDL	10
gamma-Chlordane	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
Dieldrin	BDL	10
Endosulfan I	BDL	10
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	10
Endrin aldehyde	BDL	20
Heptachlor	BDL	10
Heptachlor Epoxide	BDL	10
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	BDL	100
PCB-1016 (Arochlor 1016)	BDL	100
Toxaphene	BDL	500
Endrin Ketone	BDL	20
Methoxychlor	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

Laboratory number: 44393-010
Sample Designation: CLJ62-A2S-003ZCS
Date Extracted: 06/16/95
Date Analyzed: 06/17/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 18 % , elevating the reporting limits
by a factor of 1.22 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	10
alpha-BHC	BDL	10
beta-BHC	BDL	10
gamma-BHC (Lindane)	BDL	10
delta-BHC	BDL	10
alpha-Chlordane	BDL	10
gamma-Chlordane	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
Dieldrin	BDL	10
Endosulfan I	BDL	10
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	10
Endrin aldehyde	BDL	20
Heptachlor	BDL	10
Heptachlor Epoxide	BDL	10
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	BDL	100
PCB-1016 (Arochlor 1016)	BDL	100
Toxaphene	BDL	500
Endrin Ketone	BDL	20
Methoxychlor	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit

Laboratory number: 44393-011
 Sample Designation: CLJ62-A3S-RB
 Date Extracted: 06/16/95
 Date Analyzed: 06/19/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.06
alpha-BHC	BDL	0.06
beta-BHC	BDL	0.06
gamma-BHC (Lindane)	BDL	0.06
delta-BHC	BDL	0.06
alpha-Chlordane	BDL	0.06
gamma-Chlordane	BDL	0.06
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.06
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.06
Endosulfan I	BDL	0.06
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.06
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.06
Heptachlor Epoxide	BDL	0.06
PCB-1242 (Arochlor 1242)	BDL	0.6
PCB-1254 (Arochlor 1254)	BDL	0.6
PCB-1221 (Arochlor 1221)	BDL	0.6
PCB-1232 (Arochlor 1232)	BDL	0.6
PCB-1248 (Arochlor 1248)	BDL	0.6
PCB-1260 (Arochlor 1260)	BDL	0.6
PCB-1016 (Arochlor 1016)	BDL	0.6
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.6

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

BDL = Below reporting limit

Laboratory number: 44393-012
 Sample Designation: CLJ62-A2S-RB
 Date Extracted: 06/16/95
 Date Analyzed: 06/19/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.06
alpha-BHC	BDL	0.06
beta-BHC	BDL	0.06
gamma-BHC (Lindane)	BDL	0.06
delta-BHC	BDL	0.06
alpha-Chlordane	BDL	0.06
gamma-Chlordane	BDL	0.06
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.06
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.06
Endosulfan I	BDL	0.06
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.06
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.06
Heptachlor Epoxide	BDL	0.06
PCB-1242 (Arochlor 1242)	BDL	0.6
PCB-1254 (Arochlor 1254)	BDL	0.6
PCB-1221 (Arochlor 1221)	BDL	0.6
PCB-1232 (Arochlor 1232)	BDL	0.6
PCB-1248 (Arochlor 1248)	BDL	0.6
PCB-1260 (Arochlor 1260)	BDL	0.6
PCB-1016 (Arochlor 1016)	BDL	0.6
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.6

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

BDL = Below reporting limit

Laboratory number: 44393-013
Sample Designation: CLJ62-FB
Date Extracted: 06/16/95
Date Analyzed: 06/19/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.06
alpha-BHC	BDL	0.06
beta-BHC	BDL	0.06
gamma-BHC (Lindane)	BDL	0.06
delta-BHC	BDL	0.06
alpha-Chlordane	BDL	0.06
gamma-Chlordane	BDL	0.06
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.06
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.06
Endosulfan I	BDL	0.06
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.06
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.06
Heptachlor Epoxide	BDL	0.06
PCB-1242 (Arochlor 1242)	BDL	0.6
PCB-1254 (Arochlor 1254)	BDL	0.6
PCB-1221 (Arochlor 1221)	BDL	0.6
PCB-1232 (Arochlor 1232)	BDL	0.6
PCB-1248 (Arochlor 1248)	BDL	0.6
PCB-1260 (Arochlor 1260)	BDL	0.6
PCB-1016 (Arochlor 1016)	BDL	0.6
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.6

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

BDL = Below reporting limit

Laboratory number: B-P4331
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/16/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	10
ALPHA-BHC	BDL	10
BETA-BHC	BDL	10
GAMMA-BHC	BDL	10
DELTA-BHC	BDL	10
ALPHA-CHLORDANE	BDL	10
GAMMA-CHLORDANE	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
DIELDRIN	BDL	10
ENDOSULFAN I	BDL	10
ENDOSULFAN II	BDL	20
ENDOSULFAN SULFATE	BDL	20
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	20
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	100
PCB-1254	BDL	100
PCB-1221	BDL	100
PCB-1232	BDL	100
PCB-1248	BDL	100
PCB-1260	BDL	100
PCB-1016	BDL	100
TOXAPHENE	BDL	400
ENDRIN KETONE	BDL	20
METHOXYCHLOR	BDL	100

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

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Laboratory number: B-P4330
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/20/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	0.5
PCB-1254	BDL	0.5
PCB-1221	BDL	0.5
PCB-1232	BDL	0.5
PCB-1248	BDL	0.5
PCB-1260	BDL	0.5
PCB-1016	BDL	0.5
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44393-1 MS
 Sample Designation: CLJ62-A3S-11.6BC MS
 Date Analyzed: 06/21/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	53.300	NC	NC
GAMMA-BHC	0	53.300	NC	NC
BETA-BHC	0	53.300	NC	NC
HEPTACHLOR	0	53.300	NC	NC
DELTA-BHC	0	53.300	NC	NC
ALDRIN	0	53.300	NC	NC
HEPTACHLOR EPOXIDE	0	53.300	NC	NC
4,4'-DDE	330	53.300	786.638	857
DIELDRIN	0	53.300	NC	NC
ENDRIN	0	53.300	NC	NC
4,4'-DDD	2100	53.300	6827.59	8870
ENDOSULFAN II	0	53.300	NC	NC
4,4'-DDT	240	53.300	677.520	821
ENDRIN ALDEHYDE	0	53.300	NC	NC
ENDOSULFAN SULFATE	0	53.300	NC	NC
METHOXYCHLOR	0	533.000	NC	NC
ENDOSULFAN I	0	53.300	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44393-1 MSD
 Sample Designation: CLJ62-A3S-11.6BC MSD
 Date Analyzed: 06/20/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2		REL. DIFF. %
			ug/Kg FOUND	%REC- OVERY	
ALPHA-BHC	0	53.530	NC	NC	NC
GAMMA-BHC	0	53.530	NC	NC	NC
BETA-BHC	0	53.530	NC	NC	NC
HEPTACHLOR	0	53.530	NC	NC	NC
DELTA-BHC	0	53.530	NC	NC	NC
ALDRIN	0	53.530	NC	NC	NC
HEPTACHLOR EPOXIDE	0	53.530	NC	NC	NC
4,4'-DDE	330	53.530	501.945	321	90
DIELDRIN	0	53.530	NC	NC	NC
ENDRIN	0	53.530	NC	NC	NC
4,4'-DDD	2100	53.530	3252.49	2153	122
ENDOSULFAN II	0	53.530	NC	NC	NC
4,4'-DDT	240	53.530	362.877	230	112
ENDRIN ALDEHYDE	0	53.530	NC	NC	NC
ENDOSULFAN SULFATE	0	53.530	NC	NC	NC
METHOXYCHLOR	0	535.000	NC	NC	NC
ENDOSULFAN I	0	53.530	NC	NC	NC

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080



PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4331
Sample Designation: LABORATORY CONTROL SAMPLE
Date Analyzed: 06/16/95
Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	0.050	0.040	81
GAMMA-BHC	0	0.050	0.041	82
BETA-BHC	0	0.050	0.043	86
HEPTACHLOR	0	0.050	0.042	83
DELTA-BHC	0	0.050	0.047	93
ALDRIN	0	0.050	0.041	82
HEPTACHLOR EPOXIDE	0	0.050	0.044	88
4,4'-DDE	0	0.050	0.043	85
DIELDRIN	0	0.050	0.042	84
ENDRIN	0	0.050	0.041	83
4,4'-DDD	0	0.050	0.041	82
ENDOSULFAN II	0	0.050	0.042	84
4,4'-DDT	0	0.050	0.043	86
ENDRIN ALDEHYDE	0	0.050	0.043	85
ENDOSULFAN SULFATE	0	0.050	0.044	87
METHOXYCHLOR	0	0.500	0.422	84
ENDOSULFAN I	0	0.050	0.040	80

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHOD 8080

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4330
Sample Designation: LABORATORY CONTROL SAMPLES
Date Analyzed: 06/20/95
Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.191	76
GAMMA-BHC	0	0.250	0.200	80
BETA-BHC	0	0.250	0.208	83
HEPTACHLOR	0	0.250	0.190	76
DELTA-BHC	0	0.250	0.224	89
ALDRIN	0	0.250	0.168	67
HEPTACHLOR EPOXIDE	0	0.250	0.213	85
4,4'-DDE	0	0.250	0.200	80
DIELDRIN	0	0.250	0.201	80
ENDRIN	0	0.250	0.211	84
4,4'-DDD	0	0.250	0.192	77
ENDOSULFAN II	0	0.250	0.225	90
4,4'-DDT	0	0.250	0.212	85
ENDRIN ALDEHYDE	0	0.250	0.192	77
ENDOSULFAN SULFATE	0	0.250	0.203	81
METHOXYCHLOR	0	2.500	2.134	85
ENDOSULFAN I	0	0.250	0.193	77

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: Q A 5542

METHOD: SONC/3550

MATRIX: SOLID

② PM 6-16-95
med-S

② PM 6-16-95
TEST / LEVEL: PEST/PCB 1 med-S

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	NA2SO4 (g)	INTER VOL (ml)	ALICUOT VOL (ml)	FINAL VOL (ml)
-	8m PM	BP4331	5.02	① 1353 500 μL	LSP4331	-	10.	10.0	1.0	1.0
-	6-16-96	LSP4331	5.00			250 ① 1356 500 μL NO POPP N/A				
-		44328-5	5.03							
-		44280-8	5.01							
		44393-1	5.00							
		-2	5.03							
		-3	5.02							
		-4	5.02							
		-5	5.03							
		-6	5.04							
		-7	5.02							
		-8	5.00							
		-9	5.04							
		-10	5.05							
		44393-1MS	5.03							
		-1MSD	5.00							

③ PM 6-16-95

COMMENTS: _____

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0000078

PACE INCORPORATED
Organics Extraction
AQUEOUS PREP LOG

PROTOCOL: EPA 8466

LOG BOOK NO: 2

SDP #: QA 5528

METHOD: CONT/3520 SEPF/3510

MATRIX: AQUEOUS

TEST / LEVEL: PEST/PCS /

ES Amm
LCS
MSD
Surr #
AMT/CONC
INITIALS

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT VOL (L)	SURR # AMT/CONC INITIALS	LCS MS/MSD	SPIKE # AMT/CONC.	INTER VOL (mL)	ALIGUOT VOL (mL)	FINAL VOL (mL)	SENT LABUX
/	6/16/95	BP4330	1.0	43845ms	E1353 0.500	N/A	10.0	1.0	1.0	
/		LSP4330	1.0	-msd	2.0ppm	E1350 2.500				
17		44370-5	.905			N/A				
18		-6	.900	↓		N/A				
/		-6ms	.480	44370-6ms		E1350 2.500				
/		-6msd	.480	6msd		1.0 + 10.0AM				
1		44393-11	.900			N/A				Am
2		-12	.900			N/A				sent 6/17/95
3	↓	-13	.905	↓	↓	N/A	↓	↓	↓	↓

ES Amm
initials
"

COMMENTS: _____

PACE, Incorporated

+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

for /DATA/GC01/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:26:15
Method updated: 03/10/95 12:11:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17426.RES
Level 2 /DATA/GC01/RESULT/G1H17427.RES
Level 3 /DATA/GC01/RESULT/G1H17428.RES
Level 4 /DATA/GC01/RESULT/G1H17429.RES
Level 5 /DATA/GC01/RESULT/G1H17430.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	6.22	TCX	.99981	-2119.91	1233768.50	-537386.50
2	14.62	AR1254	.99996	297.02	43535.86	-4780.59
3	6.32	AR1254	.99999	36.56	62125.27	-3852.58
4	16.86	AR1254	.99995	-9.80	48502.26	-4637.60
5	17.38	AR1254	.99998	81.57	27120.31	-2429.93
6	18.77	AR1254	.99997	405.57	46914.61	-2820.04
7	29.98	DLB	.99998	342.75	530850.12	-256257.78

$$K = B_0 + B_1X + B_2X^2$$

PAGE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PCB1254060.MTH
Method created: 03/10/95 10:24:30
Method updated: 03/10/95 15:05:52

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17426.RES
Level 2 /DATA/GC11/RESULT/G11H17427.RES
Level 3 /DATA/GC11/RESULT/G11H17428.RES
Level 4 /DATA/GC11/RESULT/G11H17429.RES
Level 5 /DATA/GC11/RESULT/G11H17430.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.66	TCX	.99975	-2362.56	1455482.70	-577617.25
2	13.54	AR1254	.99997	295.55	48500.99	-4090.71
	5.04	AR1254	.99992	164.94	66311.34	-2601.04
4	15.56	AR1254	.99997	10.66	32668.95	-2907.08
5	15.80	AR1254	.99996	89.93	45384.80	-1248.26
6	16.91	AR1254	.99979	-250.71	26039.36	263.78
7	25.53	DCB	.99999	543.92	585667.87	-272356.81

$$R = B0 + B1X + B2X^2$$


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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

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for /DATA/GC01/METHOD/PEST133.MTH
Method created: 06/15/95 12:25:05
Method updated: 06/16/95 05:06:20

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1W18143.RES
Level 2 /DATA/GC01/RESULT/G1W18144.RES
Level 3 /DATA/GC01/RESULT/G1W18145.RES
Level 4 /DATA/GC01/RESULT/G1W18146.RES
Level 5 /DATA/GC01/RESULT/G1W18147.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.21	TCX	.99983	253.55	1164716.00	7010.76
2	8.25	ALPHA-BHC	.99891	-505.71	805688.25	15624676.00
3	9.51	GAMMA-BHC	.99927	-574.00	874593.62	13128124.00
4	9.78	BETA-BHC	.99956	-166.01	634375.25	2788897.00
5	10.80	HEPTACHLOR	.99999	5.56	891510.37	6248468.00
	10.98	DELTA-BHC	.99956	-176.09	610781.62	14906886.00
	11.90	ALDRIN	.99986	-74.06	690127.38	8891432.00
8	13.77	HEPTACHLOR EPOXIDE	.99967	-196.90	842287.37	5122288.00
9	14.43	GAMMA-CHLORDANE	.99997	-40.33	824747.87	5341099.00
10	14.98	ALPHA-CHLORDANE/ENDOSULFA	.99954	-731.19	764228.50	1641858.30
11	15.79	4,4'-DDE	.99921	-1073.96	769105.37	2937666.00
12	16.03	DIELDRIN	.99982	-713.97	757636.50	3145420.00
13	17.19	ENDRIN	.99974	-716.18	702232.00	2351309.50
14	17.67	4,4'-DDD	.99972	-639.61	518780.25	2839026.00
15	17.83	ENDOSULFAN II	.99986	446.21	790489.13	1660086.50
16	18.73	4,4'-DDT	.99973	-582.91	618018.12	2521213.00
17	18.87	ENDRIN ALDEHYDE	.99944	-124.55	658293.25	995226.50
18	19.41	ENDOSULFAN SULFATE	.99914	-327.88	687343.87	1376873.50
19	21.65	METHOXYCHLOR	.99992	-429.16	404047.19	-38112.09
20	21.98	ENDRIN KETONE	.99981	-492.36	549417.63	1964881.50
21	29.87	DCB	.99996	110.59	504689.44	-159902.09

$$R = B_0 + B_1X + B_2X^2$$

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PEST133.MTH
Method created: 06/15/95 12:25:59
Method updated: 06/16/95 05:07:13

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11W18143.RES
Level 2 /DATA/GC11/RESULT/G11W18144.RES
Level 3 /DATA/GC11/RESULT/G11W18145.RES
Level 4 /DATA/GC11/RESULT/G11W18146.RES
Level 5 /DATA/GC11/RESULT/G11W18147.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.65	TCX	.99972	-1302.78	1429469.00	-258539.78
2	8.20	ALPHA-BHC	.99940	-650.16	962836.87	11672936.0
3	9.44	GAMMA-BHC	.99965	-826.35	1052536.70	11322536.0
4	10.07	HEPTACHLOR	.99998	91.35	1019503.00	6901118.00
5	10.92	ALDRIN	.99969	-411.79	903235.25	7447079.00
	11.77	BETA-BHC	.99999	-46.45	624850.12	2773970.50
	12.53	DELTA-BHC	.99938	-234.20	649612.87	9477462.00
8	13.16	HEPTACHLOR EPOXIDE	.99959	-250.86	964377.88	3463147.00
9	14.03	ENDOSULFAN I	.99975	-58.14	820413.12	4457840.00
10	14.17	GAMMA-CHLORDANE	.99997	-117.07	908714.00	5464399.00
11	14.42	ALPHA-CHLORDANE	.99953	-253.90	991820.62	3058748.50
12	14.67	4,4'-DDE	.99983	-736.95	746290.87	3678828.00
13	15.21	DIELDRIN	.99972	-1092.12	887997.75	2947296.50
14	15.90	ENDRIN	.99968	-575.89	764851.75	2143830.50
15	17.22	4,4'-DDD	.99964	-925.20	637510.37	1964451.50
16	17.45	ENDOSULFAN II	.99962	-648.86	851798.37	1197408.50
17	17.76	4,4'-DDT	.99961	-217.86	630650.88	1826688.50
18	18.78	ENDRIN ALDEHYDE	.99973	-167.47	409673.13	735598.88
19	19.82	METHOXYCHLOR/ENDO SULFATE	.99962	-74.05	476730.94	-48234.92
20	21.14	ENDRIN KETONE	.99943	-408.54	602953.87	1352781.00
21	25.46	DCB	.99995	456.07	584179.62	-273260.19

$$R = B_0 + B_1X + B_2X^2$$

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:09:17 pm

/DATA/GC01/RESULT/G1W18174.RES
/DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:03:55 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.102	.100	1.8	101.8
8.27	ALPHA-BHC	.019	.020	5.1	94.9
9.54	GAMMA-BHC	.019	.020	2.7	97.3
9.80	BETA-BHC	.020	.020	1.6	98.4
10.82	HEPTACHLOR	.020	.020	2.1	97.9
11.00	DELTA-BHC	.020	.020	.7	99.3
11.93	ALDRIN	.020	.020	1.0	99.0
13.80	HEPTACHLOR EPOXIDE	.020	.020	2.0	98.0
14.46	GAMMA-CHLORDANE	.020	.020	.1	99.9
15.01	ALPHA-CHLORDANE/ENDOSULFAN I	.039	.040	2.0	98.0
15.82	4,4'-DDE	.038	.040	5.7	94.3
16.06	DIELDRIN	.039	.040	1.7	98.3
17.22	ENDRIN	.036	.040	10.5	89.5
17.70	4,4'-DDD	.039	.040	2.9	97.1
17.86	ENDOSULFAN II	.040	.040	.8	99.2
18.76	4,4'-DDT	.039	.040	1.8	98.2
18.90	ENDRIN ALDEHYDE	.040	.040	.7	100.7
19.45	ENDOSULFAN SULFATE	.039	.040	2.1	97.9
21.69	METHOXYCHLOR	.194	.200	3.1	96.9
22.03	ENDRIN KETONE	.044	.040	11.0	111.0
29.97	DCB	.102	.100	1.8	101.8

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:09:53 pm

/DATA/GC11/RESULT/G11W18174.RES
/DATA/GC11/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 12:03:55 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.67	TCX	.101	.100	.7	100.7
8.22	ALPHA-BHC	.018	.020	8.7	91.3
9.47	GAMMA-BHC	.020	.020	1.8	98.2
10.09	HEPTACHLOR	.021	.020	3.0	103.0
10.94	ALDRIN	.019	.020	4.1	95.9
11.80	BETA-BHC	.021	.020	2.6	102.6
12.55	DELTA-BHC	.019	.020	4.0	96.0
13.18	HEPTACHLOR EPOXIDE	.019	.020	3.4	96.6
14.05	ENDOSULFAN I	.019	.020	3.0	97.0
14.20	GAMMA-CHLORDANE	.020	.020	.3	100.3
14.44	ALPHA-CHLORDANE	.019	.020	3.0	97.0
14.69	4,4'-DDE	.040	.040	.9	99.1
15.23	DIELDRIN	.040	.040	.6	99.4
15.92	ENDRIN	.036	.040	10.2	89.8
17.24	4,4'-DDD	.038	.040	6.0	94.0
17.47	ENDOSULFAN II	.038	.040	3.9	96.1
17.79	4,4'-DDT	.040	.040	1.0	99.0
18.81	ENDRIN ALDEHYDE	.041	.040	1.9	101.9
19.84	METHOXYCHLOR/ENDO SULFATE	.232	.240	3.4	96.6
21.18	ENDRIN KETONE	.044	.040	10.5	110.5
25.51	DCB	.099	.100	.6	99.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:32:29 pm

/DATA/GC01/RESULT/G1W18175.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 12:41:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.098	.100	1.6	98.4
14.62	AR1254	.487	.500	2.5	97.5
16.31	AR1254	.507	.500	1.3	101.3
16.86	AR1254	.476	.500	4.8	95.2
17.58	AR1254	.492	.500	1.6	98.4
18.76	AR1254	.472	.500	5.6	94.4
29.96	DCB	.099	.100	.6	99.4

PACE, Incorporated
Continuing Calibration Report

Fri Jun 16, 1995 1:32:47 pm

/DATA/GC11/RESULT/G11W18175.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 12:41:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.65	TCX	.087	.100	12.8	87.2
13.54	AR1254	.520	.500	4.0	104.0
15.03	AR1254	.508	.500	1.6	101.6
15.55	AR1254	.483	.500	3.4	96.6
15.80	AR1254	.507	.500	1.5	101.5
16.90	AR1254	.491	.500	1.8	98.2
25.50	DCB	.101	.100	1.1	101.1

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 8:50:48 am

/DATA/GC01/RESULT/G1W18187.RES
/DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
Injected: Fri Jun 16, 1995 8:28:21 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.100	.100	.3	99.7
8.27	ALPHA-BHC	.020	.020	.2	99.8
9.53	GAMMA-BHC	.020	.020	.6	99.4
9.80	BETA-BHC	.020	.020	1.2	101.2
10.82	HEPTACHLOR	.021	.020	2.9	102.9
11.00	DELTA-BHC	.020	.020	1.6	101.6
11.93	ALDRIN	.020	.020	.2	99.8
13.80	HEPTACHLOR EPOXIDE	.020	.020	.4	100.4
14.46	GAMMA-CHLORDANE	.020	.020	.1	99.9
15.01	ALPHA-CHLORDANE/ENDOSULFAN I	.040	.040	.8	99.2
15.81	4,4'-DDE	.039	.040	3.3	96.7
16.06	DIELDRIN	.039	.040	1.9	98.1
17.22	ENDRIN	.035	.040	11.4	88.6
17.70	4,4'-DDD	.039	.040	2.0	98.0
17.86	ENDOSULFAN II	.040	.040	.6	99.4
18.75	4,4'-DDT	.038	.040	4.3	95.7
18.90	ENDRIN ALDEHYDE	.041	.040	2.5	102.5
19.44	ENDOSULFAN SULFATE	.041	.040	2.0	102.0
21.68	METHOXYCHLOR	.195	.200	2.4	97.6
22.02	ENDRIN KETONE	.045	.040	12.9	112.9
29.97	DCB	.103	.100	2.6	102.6

PACE, Incorporated
 Continuing Calibration Report

Mon Jun 19, 1995 8:51:20 am

/DATA/GC11/RESULT/G11W18187.RES
 /DATA/GC11/METHOD/PEST133.MTH

Sample: IN02AB P8675
 Injected: Fri Jun 16, 1995 8:28:21 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.67	TCX	.099	.100	.8	99.2
8.21	ALPHA-BHC	.019	.020	5.0	95.0
9.46	GAMMA-BHC	.019	.020	3.9	96.1
10.09	HEPTACHLOR	.016	.020	22.4	77.6
10.94	ALDRIN	.019	.020	4.9	95.1
11.79	BETA-BHC	.020	.020	1.8	98.2
12.55	DELTA-BHC	.019	.020	3.4	96.6
13.17	HEPTACHLOR EPOXIDE	.019	.020	4.8	95.2
14.05	ENDOSULFAN I	.019	.020	4.3	95.7
14.20	GAMMA-CHLORDANE	.019	.020	4.4	95.6
14.44	ALPHA-CHLORDANE	.019	.020	5.4	94.6
14.69	4,4'-DDE	.039	.040	3.5	96.5
15.23	DIELDRIN	.039	.040	2.8	97.2
15.91	ENDRIN	.034	.040	14.1	85.9
17.24	4,4'-DDD	.038	.040	4.4	95.6
17.47	ENDOSULFAN II	.039	.040	3.1	96.9
17.73	4,4'-DDT	.036	.040	10.0	90.0
18.80	ENDRIN ALDEHYDE	.041	.040	1.9	101.9
19.84	METHOXYCHLOR/ENDO SULFATE	.211	.240	11.9	88.1
21.17	ENDRIN KETONE	.045	.040	11.5	111.5
25.51	DCB	.099	.100	.7	99.3

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 9:05:27 am

/DATA/GC01/RESULT/G1W1B188.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 9:05:59 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.24	TCX	.104	.100	3.8	103.8
14.64	AR1254	.495	.500	1.0	99.0
16.33	AR1254	.504	.500	.7	100.7
16.88	AR1254	.486	.500	2.8	97.2
17.40	AR1254	.499	.500	.1	99.9
18.78	AR1254	.459	.500	8.2	91.8
29.98	DCB	.101	.100	.6	100.6

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 9:05:46 am

/DATA/GC11/RESULT/G11W18188.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Fri Jun 16, 1995 9:05:59 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.67	TCX	.098	.100	1.8	98.2
13.56	AR1254	.499	.500	.2	99.8
15.05	AR1254	.487	.500	2.7	97.3
15.57	AR1254	.491	.500	1.8	98.2
15.82	AR1254	.482	.500	3.6	96.4
16.93	AR1254	.473	.500	5.4	94.6
25.52	DCB	.099	.100	.7	99.3

PACE, Incorporated
 Continuing Calibration Report

Mon Jun 19, 1995 10:13:48 am

/DATA/GC01/RESULT/G1W18202.RES
 /DATA/GC01/METHOD/PEST133.MTH

Sample: IND2AB P8675
 Injected: Mon Jun 19, 1995 9:29:15 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.25	TCX	.105	.100	5.5	105.5
8.28	ALPHA-BHC	.020	.020	.3	100.3
9.54	GAMMA-BHC	.021	.020	2.8	102.8
9.81	BETA-BHC	.021	.020	4.7	104.7
10.82	HEPTACHLOR	.021	.020	5.1	105.1
11.00	DELTA-BHC	.021	.020	4.3	104.3
11.93	ALDRIN	.021	.020	5.9	105.9
13.81	HEPTACHLOR EPOXIDE	.021	.020	5.4	105.4
14.46	GAMMA-CHLORDANE	.022	.020	8.6	108.6
15.01	ALPHA-CHLORDANE/ENDOSULFAN I	.043	.040	6.5	106.5
15.82	4,4'-DDE	.041	.040	2.6	102.6
16.06	DIELDRIN	.043	.040	7.1	107.1
17.22	ENDRIN	.035	.040	11.9	88.1
17.70	4,4'-DDD	.051	.040	28.5	128.5
17.86	ENDOSULFAN II	.044	.040	9.4	109.4
18.76	4,4'-DDT	.042	.040	5.5	105.5
18.90	ENDRIN ALDEHYDE	.046	.040	15.9	115.9
19.45	ENDOSULFAN SULFATE	.042	.040	5.5	105.5
21.69	METHOXYCHLOR	.200	.200	.1	99.9
22.03	ENDRIN KETONE	.048	.040	21.1	121.1
29.98	OCB	.110	.100	9.5	109.5

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 10:14:07 am

/DATA/GC11/RESULT/G11W18202.RES
/DATA/GC11/METHOD/PEST133.MTH

Sample: IND208 P8675
Injected: Mon Jun 19, 1995 9:29:15 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.100	.100	.4	99.6
8.21	ALPHA-BHC	.020	.020	.2	100.2
9.46	GAMMA-BHC	.019	.020	3.3	96.7
10.09	HEPTACHLOR	.018	.020	11.0	89.0
10.93	ALDRIN	.020	.020	.5	100.5
11.79	BETA-BHC	.020	.020	.3	100.3
12.54	DELTA-BHC	.020	.020	.7	100.7
13.17	HEPTACHLOR EPOXIDE	.020	.020	.2	100.2
14.04	ENDOSULFAN I	.020	.020	2.2	102.2
14.19	GAMMA-CHLORDANE	.020	.020	1.2	101.2
14.44	ALPHA-CHLORDANE	.021	.020	3.0	103.0
14.69	4,4'-DDE	.040	.040	.8	100.8
15.23	DIELDRIN	.040	.040	1.2	101.2
15.91	ENDRIN	.033	.040	17.8	82.2
17.24	4,4'-DDD	.039	.040	1.9	98.1
17.47	ENDOSULFAN II	.044	.040	10.9	110.9
17.78	4,4'-DDT	.036	.040	8.9	91.1
18.80	ENDRIN ALDEHYDE	.044	.040	10.8	110.8
19.84	METHOXYCHLOR/ENDO SULFATE	.208	.240	13.1	86.9
21.17	ENDRIN KETONE	.046	.040	14.6	114.6
25.51	OCB	.101	.100	.8	100.8

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 3:33:49 pm

/DATA/GC01/RESULT/G1W18203.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 19, 1995 10:49:19 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.104	.100	3.9	103.9
14.63	AR1254	.537	.500	7.5	107.5
16.32	AR1254	.526	.500	5.2	105.2
16.87	AR1254	.570	.500	13.9	113.9
17.39	AR1254	.578	.500	15.6	115.6
18.77	AR1254	.527	.500	5.4	105.4
29.96	DCB	.107	.100	7.5	107.5

PACE, Incorporated
Continuing Calibration Report

Mon Jun 19, 1995 3:34:04 pm

/DATA/GC11/RESULT/G11W18203.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 19, 1995 10:49:19 am

RetTime	Analyte	Found	Nominal	ZD	Recovery
5.66	TCX	.094	.100	6.2	93.8
13.54	AR1254	.534	.500	6.9	106.9
15.03	AR1254	.531	.500	6.2	106.2
15.55	AR1254	.492	.500	1.7	98.3
15.80	AR1254	.510	.500	2.0	102.0
16.90	AR1254	.465	.500	7.1	92.9
25.49	DCB	.103	.100	3.1	103.1

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 8:34:41 am

/DATA/GC01/RESULT/G1W18213.RES
/DATA/GC01/METHOD/PEST133A.MTH

Sample: IND2AB P8675
Injected: Mon Jun 19, 1995 5:08:31 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.13	TCX	.108	.100	8.1	108.1
8.16	ALPHA-BHC	.022	.020	8.4	108.4
9.41	GAMMA-BHC	.021	.020	3.7	103.7
9.68	BETA-BHC	.021	.020	6.0	106.0
10.69	HEPTACHLOR	.023	.020	14.8	114.8
10.88	DELTA-BHC	.021	.020	7.2	107.2
11.80	ALDRIN	.022	.020	12.5	112.5
13.67	HEPTACHLOR EPOXIDE	.022	.020	12.4	112.4
14.33	GAMMA-CHLORDANE	.023	.020	15.9	115.9
14.88	ALPHA-CHLORDANE/ENDOSULFAN I	.045	.040	13.5	113.5
15.69	4,4'-DDE	.045	.040	11.3	111.3
15.93	DIELDRIN	.046	.040	13.8	113.8
17.09	ENDRIN	.037	.040	8.0	92.0
17.58	4,4'-DDD	.044	.040	9.0	109.0
17.73	ENDOSULFAN II	.048	.040	19.0	119.0
18.63	4,4'-DDT	.047	.040	17.2	117.2
18.77	ENDRIN ALDEHYDE	.050	.040	24.4	124.4
19.32	ENDOSULFAN SULFATE	.045	.040	13.1	113.1
21.54	METHOXYCHLOR	.223	.200	11.3	111.3
21.87	ENDRIN KETONE	.053	.040	32.0	132.0
29.68	DCB	.122	.100	21.8	121.8

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 8:34:59 am

/DATA/GC11/RESULT/G11W18213.RES
/DATA/GC11/METHOD/PEST133A.MTH

Sample: IND2AB P8675
Injected: Mon Jun 19, 1995 5:08:31 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.57	TCX	.107	.100	7.2	107.2
8.10	ALPHA-BHC	.022	.020	11.2	111.2
9.34	GAMMA-BHC	.020	.020	.7	100.7
9.97	HEPTACHLOR	.022	.020	9.8	109.8
10.81	ALDRIN	.020	.020	1.9	101.9
11.67	BETA-BHC	.022	.020	11.9	111.9
12.43	DELTA-BHC	.021	.020	7.5	107.3
13.05	HEPTACHLOR EPOXIDE	.021	.020	3.2	103.2
13.92	ENDOSULFAN I	.021	.020	7.2	107.2
14.07	GAMMA-CHLORDANE	.022	.020	10.5	110.5
14.31	ALPHA-CHLORDANE	.021	.020	5.7	105.7
14.56	4,4'-DDE	.044	.040	11.1	111.1
15.10	DIELDRIN	.044	.040	9.0	109.0
15.79	ENDRIN	.034	.040	14.4	85.6
17.11	4,4'-DDD	.040	.040	.7	99.3
17.34	ENDOSULFAN II	.042	.040	4.8	104.8
17.66	4,4'-DDT	.047	.040	17.6	117.6
18.68	ENDRIN ALDEHYDE	.049	.040	23.5	123.5
19.72	METHOXYCHLOR/ENDO SULFATE	.240	.240	.2	99.8
21.03	ENDRIN KETONE	.051	.040	26.4	126.4
25.29	DCB	.112	.100	11.5	111.5

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 9:55:18 am

/DATA/GC01/RESULT/G1W18214.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 19, 1995 5:46:15 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.14	TCX	.108	.100	7.7	107.7
14.53	AR1254	.586	.500	17.1	117.1
16.22	AR1254	.573	.500	14.6	114.6
16.77	AR1254	.570	.500	13.9	113.9
17.30	AR1254	.591	.500	18.2	118.2
18.68	AR1254	.587	.500	17.4	117.4
29.71	DCB	.118	.100	17.7	117.7

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 9:55:36 am

/DATA/GC11/RESULT/G11W18214.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Mon Jun 19, 1995 5:46:15 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.59	TCX	.100	.100	.3	99.7
13.45	AR1254	.539	.500	7.8	107.8
14.94	AR1254	.558	.500	11.5	111.5
15.46	AR1254	.542	.500	8.3	108.3
15.71	AR1254	.547	.500	9.4	109.4
16.82	AR1254	.439	.500	12.2	87.8
25.32	DCB	.112	.100	12.2	112.2

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 10:10:52 am

/DATA/GC01/RESULT/GIW18220.RES
/DATA/GC01/METHOD/PEST133B.MTH

Sample: IND2AB P8675
Injected: Tue Jun 20, 1995 9:21:29 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.104	.100	3.5	103.5
8.24	ALPHA-BHC	.021	.020	3.7	103.7
9.50	GAMMA-BHC	.020	.020	.2	100.2
9.77	BETA-BHC	.020	.020	.4	99.6
10.78	HEPTACHLOR	.020	.020	1.6	101.6
10.96	DELTA-BHC	.021	.020	4.1	104.1
11.88	ALDRIN	.020	.020	2.4	97.6
13.76	HEPTACHLOR EPOXIDE	.020	.020	1.4	98.6
14.41	GAMMA-CHLORDANE	.020	.020	1.3	101.3
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.040	.040	.4	100.4
15.77	4,4'-ODE	.041	.040	1.3	101.3
16.01	DIELDRIN	.041	.040	1.6	101.6
17.17	ENDRIN	.042	.040	4.7	104.7
17.66	4,4'-DDD	.039	.040	2.7	97.3
17.81	ENDOSULFAN II	.045	.040	13.3	113.3
18.71	4,4'-DDT	.041	.040	3.2	103.2
18.85	ENDRIN ALDEHYDE	.039	.040	3.6	96.4
19.39	ENDOSULFAN SULFATE	.041	.040	3.7	103.7
21.62	METHOXYCHLOR	.209	.200	4.4	104.4
21.95	ENDRIN KETONE	.045	.040	12.5	112.5
29.80	DCB	.101	.100	.9	100.9

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 10:11:07 am

/DATA/GC11/RESULT/G11W18220.RES
/DATA/GC11/METHOD/PEST133B.MTH

Sample: IND2AB P8675
Injected: Tue Jun 20, 1995 9:21:29 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.100	.100	.0	100.0
8.18	ALPHA-BHC	.018	.020	7.6	92.4
9.43	GAMMA-BHC	.019	.020	3.0	97.0
10.06	HEPTACHLOR	.019	.020	4.3	95.7
10.90	ALDRIN	.019	.020	5.3	94.7
11.76	BETA-BHC	.019	.020	2.9	97.1
12.52	DELTA-BHC	.019	.020	3.7	96.3
13.14	HEPTACHLOR EPOXIDE	.019	.020	6.6	93.4
14.01	ENDOSULFAN I	.019	.020	6.0	94.0
14.16	GAMMA-CHLORDANE	.019	.020	4.7	95.3
14.41	ALPHA-CHLORDANE	.019	.020	6.3	93.7
14.66	4,4'-DDE	.039	.040	2.7	97.3
15.20	DIELDRIN	.038	.040	4.5	95.5
15.88	ENDRIN	.038	.040	4.3	95.7
17.21	4,4'-DDD	.038	.040	5.4	94.6
17.44	ENDOSULFAN II	.038	.040	4.7	95.3
17.75	4,4'-DDT	.038	.040	5.5	94.5
18.77	ENDRIN ALDEHYDE	.038	.040	5.0	95.0
19.81	METHOXYCHLOR/ENDO SULFATE	.231	.240	3.7	96.3
21.13	ENDRIN KETONE	.043	.040	6.9	106.9
25.43	DCB	.094	.100	5.5	94.5

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 11:28:04 am

/DATA/GC01/RESULT/G1W18221.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Tue Jun 20, 1995 10:34:25 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.107	.100	7.4	107.4
14.56	AR1254	.494	.500	1.1	98.9
16.25	AR1254	.475	.500	5.0	95.0
16.80	AR1254	.576	.500	15.2	115.2
17.32	AR1254	.451	.500	9.8	90.2
18.70	AR1254	.493	.500	1.5	98.5
29.78	DCB	.100	.100	.5	99.5

PACE, Incorporated
Continuing Calibration Report

Tue Jun 20, 1995 11:28:23 am

/DATA/GC11/RESULT/G11W18221.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Tue Jun 20, 1995 10:34:25 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.60	TCX	.104	.100	4.2	104.2
13.49	AR1254	.471	.500	5.8	94.2
14.98	AR1254	.478	.500	4.3	95.7
15.50	AR1254	.456	.500	8.7	91.3
15.75	AR1254	.470	.500	5.9	94.1
16.86	AR1254	.443	.500	11.4	88.6
25.41	DCB	.097	.100	2.8	97.2

PACE, Incorporated
Continuing Calibration Report

Wed Jun 21, 1995 12:49:52 pm

/DATA/GC01/RESULT/G1W18233.RES
/DATA/GC01/METHOD/PEST133B.MTH

Sample: IND2AB P8675
Injected: Tue Jun 20, 1995 6:29:55 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.18	TCX	.105	.100	5.1	105.1
8.22	ALPHA-BHC	.021	.020	3.1	103.1
9.48	GAMMA-BHC	.020	.020	2.3	102.3
9.75	BETA-BHC	.020	.020	.4	99.6
10.76	HEPTACHLOR	.022	.020	11.0	111.0
10.94	DELTA-BHC	.021	.020	5.8	105.8
11.87	ALDRIN	.021	.020	7.2	107.2
13.74	HEPTACHLOR EPOXIDE	.021	.020	6.8	106.8
14.40	GAMMA-CHLORDANE	.022	.020	10.8	110.8
14.95	ALPHA-CHLORDANE/ENDOSULFAN I	.043	.040	7.7	107.7
15.76	4,4'-DDE	.043	.040	6.6	106.6
16.00	DIELDRIN	.044	.040	9.6	109.6
17.16	ENDRIN	.043	.040	6.8	106.8
17.64	4,4'-DDD	.042	.040	4.2	104.2
17.80	ENDOSULFAN II	.044	.040	8.9	108.9
18.70	4,4'-DDT	.045	.040	12.5	112.5
18.84	ENDRIN ALDEHYDE	.045	.040	12.6	112.6
19.39	ENDOSULFAN SULFATE	.044	.040	9.2	109.2
21.62	METHOXYCHLOR	.218	.200	9.2	109.2
21.95	ENDRIN KETONE	.048	.040	21.2	121.2
29.82	DCB	.115	.100	14.6	114.6

FACE, Incorporated
Continuing Calibration Report

Wed Jun 21, 1995 12:50:20 pm

/DATA/GC11/RESULT/G11W18233.RES
/DATA/GC11/METHOD/PEST133B.MTH

Sample: IND2A6 P8675
Injected: Tue Jun 20, 1995 6:29:55 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.62	TCX	.093	.100	6.9	93.1
8.17	ALPHA-BHC	.022	.020	9.9	109.9
9.41	GAMMA-BHC	.019	.020	4.2	95.8
10.04	HEPTACHLOR	.022	.020	8.2	108.2
10.89	ALDRIN	.019	.020	3.9	96.1
11.74	BETA-BHC	.021	.020	4.0	104.0
12.50	DELTA-BHC	.022	.020	11.6	111.6
13.13	HEPTACHLOR EPOXIDE	.020	.020	1.5	101.5
14.00	ENDOSULFAN I	.022	.020	8.6	108.6
14.14	GAMMA-CHLORDANE	.021	.020	3.7	103.7
14.39	ALPHA-CHLORDANE	.021	.020	4.6	104.6
14.64	4,4'-DDE	.043	.040	6.5	106.5
15.13	DIELDRIN	.041	.040	1.9	101.9
15.87	ENDRIN	.042	.040	5.4	105.4
17.19	4,4'-DDD	.040	.040	1.0	99.0
17.42	ENDOSULFAN II	.040	.040	.9	100.9
17.74	4,4'-DDT	.044	.040	10.3	110.3
18.76	ENDRIN ALDEHYDE	.041	.040	3.5	103.5
19.80	METHOXYCHLOR/ENDO SULFATE	.254	.240	5.7	105.7
21.12	ENDRIN KETONE	.046	.040	14.5	114.5
25.42	DCB	.105	.100	5.0	105.0

FACE, Incorporated
Continuing Calibration Report

Wed Jun 21, 1995 12:58:29 pm

/DATA/GC01/RESULT/G1W18234.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8668
Injected: Tue Jun 20, 1995 7:07:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.112	.100	12.1	112.1
14.57	AR1254	.548	.500	9.5	109.5
16.26	AR1254	.545	.500	9.0	109.0
16.80	AR1254	.545	.500	8.9	108.9
17.33	AR1254	.557	.500	11.4	111.4
18.71	AR1254	.532	.500	6.4	106.4
29.80	OCE	.115	.100	12.7	112.7

PACE, Incorporated
Continuing Calibration Report

Wed Jun 21, 1995 12:59:08 pm

/DATA/GC11/RESULT/G11W18234.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM PB668
Injected: Tue Jun 20, 1995 7:07:35 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.095	.100	5.4	94.6
13.49	AR1254	.528	.500	5.6	105.6
14.98	AR1254	.518	.500	3.5	103.5
15.50	AR1254	.526	.500	5.1	105.1
15.75	AR1254	.512	.500	2.5	102.5
16.86	AR1254	.514	.500	2.9	102.9
25.40	DCB	.107	.100	7.2	107.2

PACE, Incorporated
Continuing Calibration Report

Wed Jun 21, 1995 4:33:01 pm

/DATA/GC01/RESULT/G1W18241.RES
/DATA/GC01/METHOD/PEST133B.MTH

Sample: IND2AB P8675
Injected: Wed Jun 21, 1995 9:30:50 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.101	.100	.5	100.5
8.24	ALPHA-BHC	.019	.020	4.0	96.0
9.50	GAMMA-BHC	.019	.020	3.2	96.8
9.77	BETA-BHC	.018	.020	11.2	88.8
10.78	HEPTACHLOR	.019	.020	3.3	96.7
10.97	DELTA-BHC	.020	.020	1.7	101.7
11.89	ALDRIN	.019	.020	5.8	94.2
13.76	HEPTACHLOR EPOXIDE	.019	.020	3.2	96.8
14.41	GAMMA-CHLORDANE	.020	.020	2.3	97.7
14.97	ALPHA-CHLORDANE/ENDOSULFAN I	.040	.040	1.2	98.8
15.77	4,4'-DDE	.040	.040	.8	99.2
16.01	DIELDRIN	.040	.040	1.0	99.0
17.17	ENDRIN	.040	.040	.2	99.8
17.66	4,4'-DDD	.041	.040	2.0	102.0
17.81	ENDOSULFAN II	.040	.040	.6	99.4
18.71	4,4'-DDT	.041	.040	3.0	103.0
18.85	ENDRIN ALDEHYDE	.041	.040	2.7	102.7
19.40	ENDOSULFAN SULFATE	.041	.040	3.2	103.2
21.63	METHOXYCHLOR	.206	.200	2.8	102.8
21.97	ENDRIN KETONE	.047	.040	18.3	118.3
29.86	DCB	.107	.100	7.3	107.3

PACE, Incorporated
Continuing Calibration Report

Wed Jun 21, 1995 4:33:26 pm

/DATA/GC11/RESULT/G11W18241.RES
/DATA/GC11/METHOD/PEST133B.MTH

Sample: INDZAB P8675
Injected: Wed Jun 21, 1995 9:30:50 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.099	.100	1.3	98.7
8.17	ALPHA-BHC	.020	.020	.3	100.3
9.43	GAMMA-BHC	.019	.020	7.3	92.7
10.05	HEPTACHLOR	.018	.020	10.8	89.2
10.90	ALDRIN	.019	.020	5.2	94.8
11.76	BETA-BHC	.019	.020	6.2	93.8
12.51	DELTA-BHC	.021	.020	4.6	104.6
13.13	HEPTACHLOR EPOXIDE	.019	.020	3.4	96.6
14.01	ENDOSULFAN I	.020	.020	.3	99.7
14.16	GAMMA-CHLORDANE	.019	.020	6.0	94.0
14.40	ALPHA-CHLORDANE	.020	.020	1.8	98.2
14.65	4,4'-DDE	.038	.040	4.7	95.3
15.19	DIELDRIN	.037	.040	7.2	92.8
15.87	ENDRIN	.039	.040	3.2	96.8
17.20	4,4'-DDD	.039	.040	1.8	98.2
17.43	ENDOSULFAN II	.040	.040	.5	99.5
17.74	4,4'-DDT	.039	.040	1.6	98.4
18.76	ENDRIN ALDEHYDE	.039	.040	1.4	98.6
19.80	METHOXYCHLOR/ENDO SULFATE	.231	.240	3.8	96.2
21.13	ENDRIN KETONE	.045	.040	13.2	113.2
25.44	DCB	.099	.100	1.1	98.9

PACE, INCORPORATED
GC Instrument Run Log

000025

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	Method	Column	Sequence
3/8/95	185	61111417389	AR1248 0.05 ppm P8493	N	NUTRIS	112/110	G1110308
			390 AR1248 0.2 ppm P8495				
			391 AR1248 0.5 ppm P8496				
			392 AR1248 1.0 ppm P8497				
			393 AR1248 2.0 ppm P8498				
			394 AR1248 0.05 ppm P8499				
			395 AR1248 0.2 ppm P8501				
			396 AR1248 0.5 ppm P8502				
			397 AR1248 1.0 ppm P8503				
			398 AR1248 2.0 ppm P8504				
			399 AR1660 0.05 ppm P8505				
			400 AR1660 0.2 ppm P8507				
			401 AR1660 0.5 ppm P8508				
			402 AR1660 1.0 ppm P8509				
			403 AR1660 2.0 ppm P8510				
			404 AR1221 0.2 ppm P8520				
			405 AR1232 0.1 ppm P8486				
3/9/95	185		406 INDZAB P8517 Test PCB				
			407 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓				
			using 32 min for GC01 PCB peak				
			408 Env. P8199 0.1 ppm N Y Nutris 112/110 G1110309				
			409 P8515 Ind 0.5 AB				
			410 P8516 1 AB				
			411 P8517 2 AB				
			412 P8518 3 AB				
			413 P8519 5 AB				
			414 43127-2 RPW Simon/V310/1: sodium N Y P85126				
			415 P8104 1 ppm TOX N Y Pest126				
			416 AR1242 0.05 ppm P8487 N Y P81242036				
			417 ↓ 0.2 ↓ P8489 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓				
			418 ↓ 0.5 ↓ P8490 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓				

000058

PACE, INCORPORATED
GC Instrument Run Log

000026

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-D

Date	init	result file	Sample	MI	Y	Method	column	Sequence
2/9/45	(SW)	Gil11417414	AR1242 1.0ppm PB491	N	Y	PCB1242036	112110	Gil110509
		420	AR1242 2.0ppm PB492			↓		
		421	AR1248 0.05 ppm PB493			PCB1248053		
		422	0.2 PB495			↓		
		423	0.5 PB496			↓		
↓		424	1.0 PB497			↓		
		425	2.0 PB498			↓		
3/10/45		426	AR1254 0.05 ppm PB499			PCB1254060		
		427	0.2 PB501			↓		
		428	0.5 PB502			↓		
		429	1.0 PB503			↓		
		430	2.0 PB504			↓		
		431	AR1660 0.05 ppm PB505			PCB1660025		
		432	0.2 PB507			↓		
		433	0.5 PB508			↓		
		434	1.0 PB509			↓		
		435	2.0 PB510			↓		
		436	AR1221 0.2 ppm PB520			PCB1221014		
		437	AR1232 0.1 ppm PB486	✓	✓	PCB123201		
		438	PB520 AR1221 0.2ppm ^{CF→1-73,960} _{11-76,815}	N	Y	PCB1221014		
		439	PB401 IND 2AS (for DBC only) ^{DBC→CF→1-573,820} _{11-572,620}	N	Y	Pest125		
		440	PB464 AR1221 0.2 ppm ^{CF→1-77830} ₁₁₋₇₇₀₇₅	N	Y	PCB1221014		
		441	BP4236 Pest-w	N	Y	Pest126		
		442	LSP4236 Pest-w					
		443	43159-1 Pest-w D.E.S / 0316 ^{CF→1-77830} _{BAC}					
		444	BP4237 P/P-w					
		445	LSP4237 P/P-w					
		446	43165-1 P/P-w 0313 BAC					
		447	91001-259 P/P-w TLP Blank	↓	↓	↓		
✓	✓	448	BP4239 PCB-ms	N	Y	PCB1251060		✓
	✓	449	LSP4239 R±ms	↓	↓	↓	✓	

000059

PACE, INCORPORATED
GC Instrument Run Log

0000048

Circle one:
CLP/PHC/OPP/HEB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/13/45	Ⓢ	G111W18118	44328-17 P/P-W LINOZ V613	N	Y	PostH32A	112/110	G1110612
			119 LS4322 P/P-LS Re-abstract	N	Y	↓		
			120 IN02AB P8675 <small>1 - End - 16.0 11 - Heat - 16.470. End - 16.37</small>	N	Y*	PostH32A		
			121 AR1254 0.5 PPM P866A all pass	N	Y	PCB1254060A		
			122 44238-1 P/P-W NHORS/BOC/D616	N	Y	PostH32A		
			123 44376-4 P/P-W Semmule/BOC/D615	N	Y	↓		
			124 E1269 Pst Spike Test (downlead)	N	Y*	↓		
6/13/45	Ⓢ	Signal #1 = 16.8	Signal #2 = 12.4	-	-	-	-	-
		G111W18125	IN02AB P8675 <small>1 - End - 16.0, 16.37 11 - End - 16.470</small>	N	Y*	PostH32A	112/110	S.S.
			126 AR1254 0.5 PPM P866B all pass	N	Y	PCB1254060A		↓
			127 44328-5 P/P-LS LINOZ V613 1:50 diln	N	N	PostH32A (1:100 diln)		G1110613
			128 ↓ -6 DL ↓ 1:100 diln	N	Y			
			129 ↓ -7 ↓ 1:25 diln	N	Y			
			130 ↓ -9 ↓ 1:200 diln	N	Y			
			131 ↓ -13 ↓ 1:50 diln	N	Y			
			132 ↓ -50L ↓ 1:100 diln	N	Y			
6/13/45	Ⓢ	G111W18133	44328-6 MS P/P-LS LINOZ 1:100 diln	N	Y	PostH32A	112/110	G1110613
			134 ↓ -6 MS ↓ ↓	N	Y	↓		
6/14/45		Signal #1 = 16.2	Signal #2 = 12.3	-	-	-	-	-
	Ⓢ	G111W18135	IN02AB P8675 <small>1 - end 16.0 11 - end 16.37</small>	N	Y*	PostH32A	112/110	G1110614
			136 AR1254 0.5 PPM P866B <small>108/107/105</small>	N	Y	PCB1254060A		
			137 AR1660 0.5 PPM P867C <small>1 - 10/104/103/107 11 - 102/101/102/104</small>	N	Y	PCB1660025		
			138 44328-5 P/P-LS LINOZ V613 No dilution	N	Y	↓		
			139 L C L ↓	N	Y	↓		
6/15/45		→ changed	linear X X	-	-	-	-	-
6/15/45	Ⓢ	G111W18140	IN02AB P8675	N	N	PostH32A	112/110	G1110614
			141 IN02AB L	N	N	↓		↓
			142 P852 0.1 PPM EVAL <small>Ⓢ P852</small>	N	Y	X3P85233		G1110615
			143 IN0 0.5 AB P8677			↓		
			144 ↓ 1 AB P8678			↓		
			145 ↓ 2 AB P8675			↓		

0000060

PACE, INCORPORATED
GC Instrument Run Log

0000049

Circle one:
CLP/PHC/OPP/HERE/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	Y	Method	column	Sequence
6/15/95	Ⓟ	G111115146	IND 3 AB P8679	N	Y	PestH33	112/110	5/11/0615
		147	IND 5 AB P8680	↓	↓	↓		
		148	P8567 0.5 PPM TOX	↓	↓	↓		
		149	AR1254 0.5 PPM P8668 ^{1-95/96/100} 11-92/100/100	N	Y	PCB12540604		
		150	AR1660 0.5 PPM P8676 ^{1-95/101/101} 11-95/100/100	N	Y	PCB1660025		
		151	BP4327 P/P-LS LTN02/03	N	Y	PestH33		
		152	LSP4327 P/P-LS LTN02/03					
		153	BP4378 P/P-W LTN03					
		154	LSP4326 P/P-W LTN03					
		155	44360-1 P/P-W LTN03/V616					
		156	↓ -2 ↓ ↓	↓	↓			
		157	↓ -3 P/P-LS LTN03/V616/1:40dil	N	N	(try a 1:10 dil)		
		158	44329 -SRAL P/P-LS LTN02/1:100dil	N	Y			
		159	↓ GRE ↓ LTN02/1:100dil	N	N	(try a 1:250 dil)		
6/16/95		160	↓ -ARE ↓ LTN02/1:200dil	N	Y			
		161	IND 2 AB P8675 all pass	N	Y	PestH33		
		162	AR1254 0.5 PPM P8668 ^{1-104/103/105} 11-104/101/104	N	Y	PCB12540604		
		163	AR1660 0.5 PPM P8676 ^{1-104/101/103/104} 11-96/99/101/102	N	Y	PCB1660025		
		164	44360-3MS P/P-LS LTN03/1:10dil	N	N	PestH33 (try a 1:10 dil)		
		165	↓ -3MS ↓ ↓	N	N			
		166	BP4327B P/P-LS Test Sur. Rec.	N	Y			
		167	IND 2 AB P8675 all pass	N	Y	↓		✓
		168	44360-3 P/P-LS LTN03/V616/1:10dil	N	Y	PestH33		
		169	↓ -3MS ↓ ↓	N	N	(try a 1:5 dil)		G1/11/0616
		170	↓ -3MS ↓ ↓	N	N	(try a 1:20 dil)		
		171	44328 -JRE P/P-LS LTN02	N	Y	PCB1660025		
		172	↓ -GRE ↓	N	N	(try a 1:5 dil)		
		173	^{ROL GPC init 45} 44329 -GRE P/P-LS LTN02/1:250dil	N	Y	PestH33		
		174	IND 2 AB P8675 all pass	N	Y	PestH33		
		175	AR1254 0.5 PPM P8668 ^{1-98/97/99} 11-87/100/101	N	Y	PCB12540604	✓	
		176	AR1660 0.5 PPM P8676 ^{1-101/99/100/104} 11-101/100/98/100	N	Y	PCB1660025	✓	✓

PACE, INCORPORATED
GC Instrument Run Log

0000050

Circle one:
CLP/PHC/OPP/HERB (P-P)

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/16/95	Ⓟ	G111118177	44360-3MSB ^{CSF} PIP-LS LNO3 1:5 diln	N	Y	PestH33	112110	G1110616
		178	L-3MSO ↓ ↓ 1:20 diln	↓	↓	↓		↓
		179	44328-6 RE PIP-LS LNO2 1:5 diln	N	Y	PCB660025		G1110616A
		180	BP4331 PIP-MS	↓	↓	PestH33		
		181	LS04331 ↓	↓	↓			
		182	44393-1 PIP-MS LNO4/V620	N	N	→ try a 1:20 diln		
		183	-1MS ↓ ↓ ↓ ↓ ↓					
		184	-1MSO ↓ ↓ ↓ ↓ ↓					
		185	-2 ↓ ↓ ↓ ↓ ↓			try a 1:10 diln		
		186	-3 ↓ ↓ ↓ ↓ ↓			try a 1:20 diln		
		187	IND 2AB P8675 ^{11-104-22-41.0} ^{REG-1 - all pass}	N	Y	PestH33		
		188	AR1294 0.5ppm P8668 ^{1-10/99/101}	N	Y	PCB125060A		
		189	AR1660 ↓ P8676 ^{1-10/99/102} ^{11-104/104/99}	N	Y	PCB1660025		
		190	44393-4 PIP-MS LNO4/V620	N	N	PestH33 (try a 1:10 diln)		
		191	-5 ↓ ↓ ↓ ↓ ↓	N	N	(try a 1:10 diln)		
		192	-6 ↓ ↓ ↓ ↓ ↓	N	Y			
6/17/95		193	-7 ↓ ↓ ↓ ↓ ↓					
		194	-8 ↓ ↓ ↓ ↓ ↓					
		195	-9 ↓ ↓ ↓ ↓ ↓					
		196	-10 ↓ ↓ ↓ ↓ ↓					
		197	44328-5 PIP-MS LNO2	N	N	need activation - try at 1:50 diln		
		198	44280-8 PIP-MS LNO1	N	Y	↓		
		199	IND 2AB P8675 (undrivable) ^{both} columns	N	Y	PestH33		
		200	AR1294 0.5ppm P8668 } did not	↓	↓	↓		
		201	AR1660 ↓ P8676 } quant.	↓	↓	↓		
6/19/95		202	IND 2AB P8675 ^{1-000-285/0: and lab.} ^{11- undr. -178/10} ^{211/10}	N	Y	PestH33		
		203	AR1294 0.5ppm P8668 ^{1-10/110/108} ^{11- 94/101/103}	N	Y	PCB125060A		G1110619
		204	AR1660 ↓ P8676 ^{1-111/105/108/110} ^{11- 107/104/103/104}	N	Y	PCB1660025		
		205	44393-1 PIP-MS LNO4/V620/1:10 diln	N	Y	PestH33		
		206	↓ -2 ↓ ↓ ↓ ↓ ↓	N	Y	↓		
		207	↓ -3 ↓ ↓ ↓ ↓ ↓	N	Y	↓		

0000062

PACE, INCORPORATED
GC Instrument Run Log

0000051

Circle one:
CLP/PHC/OPP/HERS/P-2

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/19/95	Ⓟ	G111W18208	44393-4 P/P-MS LSN04/V622/1:10dia	N	Y	PestH33	112/110	G1110619
		209	L-5	N	Y			
		210	44328-5 P/P-MS LSN03/1:10dia	N	N	(1:1:10 dia)		
		211	44322-1 Post-W PaUNT TELP/V620	N	Y	Retention time shifted.		
		212	44393-11 P/P-W LSN04/V620	N	Y	5 samples large leak but re-run through update?		
		213	IND2AB P8675 1 - 6 samples 215% 11 - 3 samples 215%	N	Y	Pest133A		
		214	AR1294 0.5PPM P8668 1 - 104/116/119 11 - 100/105/112	N	Y	PCB1294060A		
		215	AR1160 0.5PPM P8676 1 - 114/111/115/117 11 - 101/100/114/111	N	Y	PCB1660025A		
		216	44322-1 Post-W PaUNJ/TELP/80C/V620	N	Y	Pest133A		
		217	44393-11 P/P-W LSN04/V620					
		218	-12					
		219	-13					
6/20/95			changed liner + leakid oven out.	-	-	-	-	
6/20/95	Ⓟ	G111W18220	IND2AB P8675 (all pass)	N	Y	PestH33B	112/110	
			Signal #1 = 19.9 Signal #2 = 13.5	-	-	-	-	
6/20/95	Ⓟ	G111W18221	AR1294 0.5PPM P8668 1 - 107/100/100 11 - 104/95/97 1 - 115/114/114/1105	N	Y	PCB1294060A	112/110	G1110620
		222	AR1160 0.5PPM P8676 11 - 93/100/96/102	N	Y	PCB1660025A		
		223	BP4325 P/P-W R-aliquot LSN02	N	Y	PestH33B		
		224	BP4329 P/P-W	N	Y			
		225	LSP4329	N	Y			
		226	BP4330					
		227	LSP4330					
		228	90001-270 Post-W TELP blank	N	Y			
		229	44370-5 P/P-W TRC/80C/V622					
		230	-6					
		231	-6MC					
		232	-6MSD					
		233	IND2AB P8675 1 - and Kaban - 21.7% 11 - all pass	N	Y	PestH33B		
		234	AR1294 0.5PPM P8668 1 - 112/109/113 11 - 95/104/107	N	Y	PCB1294060A		
		235	AR1160 0.5PPM P8676 1 - 114/1106/114/112 11 - 100/106/103/105	N	Y	PCB1660025A		
		236	44393-1MS P/P-MS LSN04/1:10dia	N	N	PestH33B		

PACE, INCORPORATED
GC Instrument Run Log

0000052

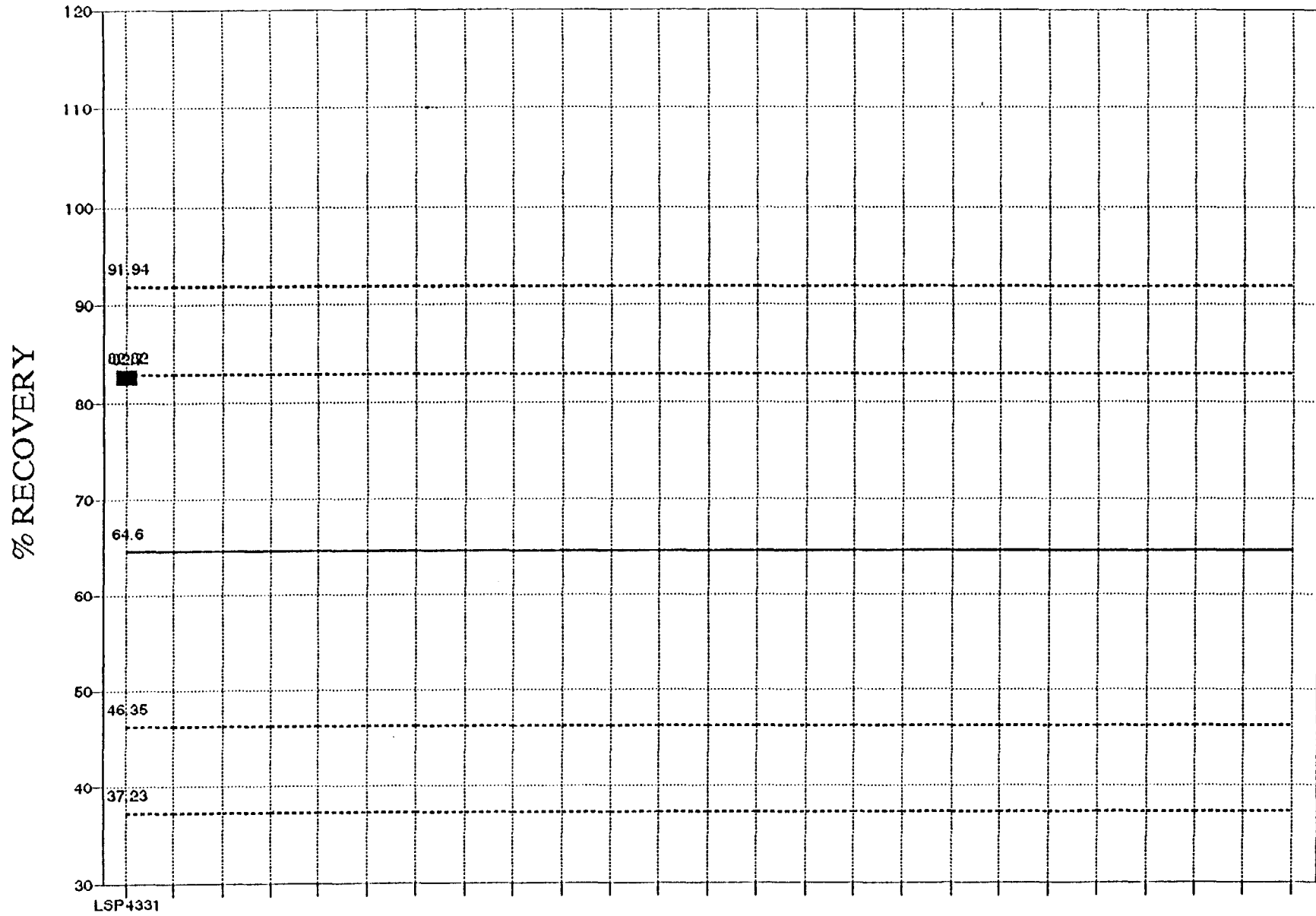
Circle one:
CLP/PHC/OPP/HERB (P-3)

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/20/95	(S)	G111W18237	44393-1MSD P/P-MS L/N04/1:1:00d/in	N	Y	PestH33B	112/110	G1110622
		238	BP43296 P/P-W Test Blank	N	Y			
		239	BP4329C ↓ ↓					
		240	Q1306 Spike Test					
6/21/95	(S)	G111W18241	INOZAB PG675 ^{1 - ind. Kabac - 1979} ^{11 - 42 pass}	N	Y	PestH33B	112/110	
		242	44328-S P/P-MS L/N02/1:1:00d/in	N	Y			
		243	44393-1MS P/P-MS L/N04/1:1:00d/in	N	N			
		244	↓ ↓	N	Y			
6/22/95		→ Changed to TCP Ramp ⇒			-	-	-	-
		120°(0) ^{5°/min} → 200°(6) ^{60°/min} → 260°(5) ⇒ Run time = 28 minutes						
		Signal 1 = 16.1	Signal 2 = 11.6	-	-	-	-	-
6/22/95	(S)	G111W18245	0.1 ppm PG557	N	Y	TCP001	112/110	G1110621
		246	SP1047C; Floris/Check	N	Y	L	L	L
6/22/95		→ changed back to P/P Ramp ⇒			-	-	-	-
		160°(0) ^{5°/min} → 260°(12) ⇒ Run Time = 32 minutes.						
		Signal 1 = 16.8	Signal 2 = 12.1	-	-	-	-	-
6/23/95	PL	-	S ₁ - 1 - 17 S ₂ - 2 - 17	-	-	-	-	-
6/23/95	PL	G111118247	INDZAB PG675 all pass	N	Y	PestH33B	112/110	S.S
		248	AR1234 0.5PPM PG68 ^{1 - 97/102/107} ^{11 - 91/102/101}	N	Y	PG1254060A		
		249	INOZAB PG675 end latone - high ⁵⁰¹	N	N	PestH33B		↓
		G111W18250	INOZAB PG675 end lat. - fails high ⁵⁰¹	N	Y	↓		S.S
		251	AR1242 0.5PPM PG63 ^{1 - 91/103/108} ^{11 - 95/102/104}	N	Y	PG124203C		G1110623
		252	AR1248 PG64 ^{1 - 106/107/109} ^{11 - 106/102/104}	N	Y	PG124805S		
		253	AR1660 PG67C ^{1 - 105/103/109} ^{11 - 97/101/102/105}	N	Y	PG166025A		
		254	BP4332 P/P-W	N	Y	PestH33B		
		255	BP4336 P/P-LS CH546	N	Y			
		256	44373-1 Post-W NHOZE / TCP / BGC / 0629	N	Y			
		257	44426 -1 P/P-LS Enscat / Nescat / 1073	N	Y			
		258	↓ -2 ↓	N	N	} need sol for clean ups		
		259	↓ -3 ↓	N	N			
		260	↓ -4 ↓	N	Y			

0000064

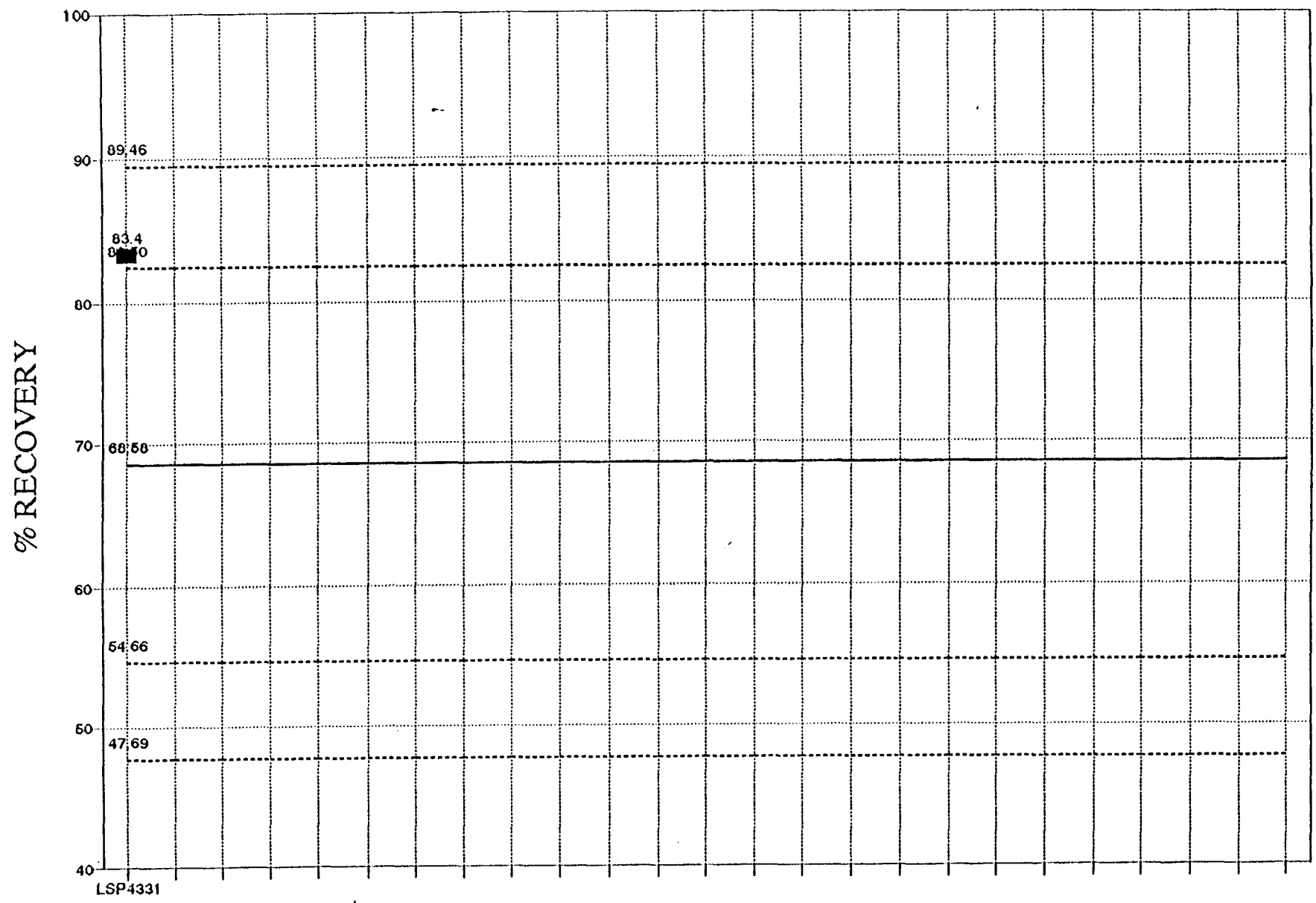
COMM. P/P-MED. SOLIDS - ENDRIN
SPKREC LIMITS SET6/95-PPCBCH\PPMSE695



MEAN = 64.59 STD DEV = 9.12

5900000

COMM. P/P-MED. SOLIDS - HEPTACHLOR
SPK REC LIMITS SET6/95-PPCBCHTAPPMSII695

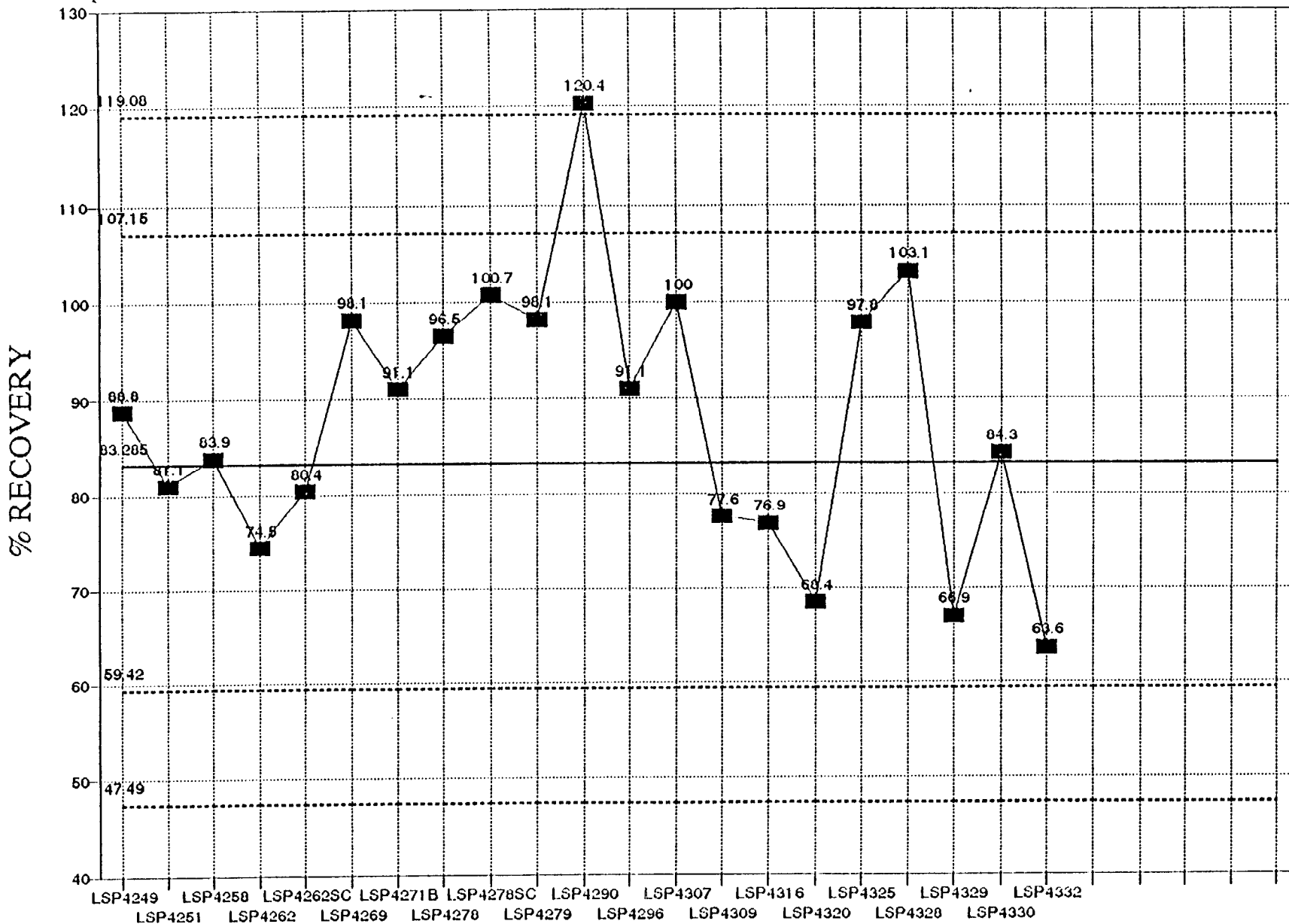


MEAN = 68.58 STD DEV = 6.96

99000000

COMMERCIAL PESTICIDE WATERS- ENDRIN

SPK REC LIMITS SET4/95-PPCBCHT\PEST2W94

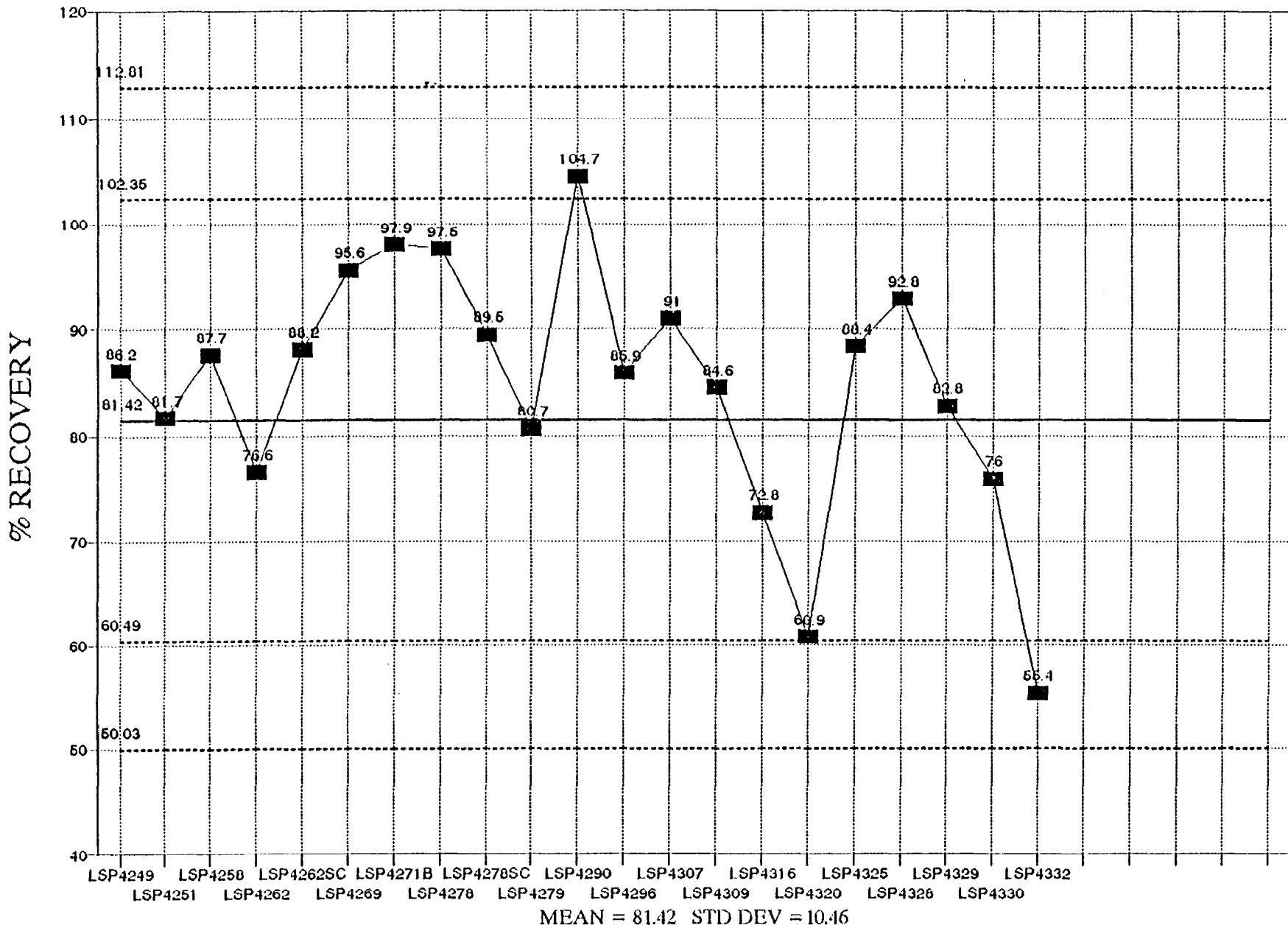


MEAN = 83.29 STD DEV = 11.93

0000006

COMMERCIAL PESTICIDE WATERS- HEPTACHLOR

SPK REC LIMITS SET4/95-PPCBCH\PESTW394



00000000



OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

144105

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>Camp Lejeune DC62</i>		PROJECT LOCATION <i>Camp Lejeune, NC</i>	
PROJ. NO. <i>16866</i>	PROJECT CONTACT <i>Fandy Smith</i>	PROJECT TELEPHONE NO. <i>(910) 451-1809</i>	
CLIENT'S REPRESENTATIVE <i>Vann Marshburn</i>		PROJECT MANAGER/SUPERVISOR <i>Jim Dunn</i>	

NUMBER OF CONTAINERS

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)
CO50 MTH

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED	REMARKS
1	<i>CLJ62-A35 - RB</i>	<i>6/15</i>	<i>1201</i>	<i>X</i>		<i>Rinsate Blank</i>	<i>3</i>	<i>X-11</i>	<i>4/15/83</i> <i>Sample going to FACE lab</i>
2	<i>CLJ62-A25 - RB</i>	<i>6/15</i>	<i>1525</i>	<i>X</i>		<i>Rinsate Blank</i>	<i>3</i>	<i>X-12</i>	
3	<i>CLJ62-AB</i>	<i>6/15</i>	<i>1534</i>	<i>X</i>		<i>Field Blank</i>	<i>3</i>	<i>X-13</i>	
4									
5									
6									
7									
8									
9									
10									

Final Copy

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
<i>1</i>	<i>1-3</i>	<i>[Signature]</i>		<i>6/15</i>	<i>1600</i>	<i>48 hr. TAT</i>
<i>2</i>			<i>[Signature]</i>	<i>6/15</i>	<i>1050</i>	
<i>3</i>						
<i>4</i>						

SAMPLER'S SIGNATURE *[Signature]*

0000070



REPORT OF LABORATORY ANALYSIS

July 12, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJN06
Laboratory: PACE New England - New Hampshire of Hampton, NH
Lab Numbers: 44479
Protocol: SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on June 23, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 6/23/95 (44479): Samples were received in one cooler. A temperature blank was not included with the shipment, therefore the cooler temperature could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Custody seals were not present on the cooler but were present on the bottles. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A3S-014SCZ".


Pesticide/PCB Analysis: The sample designated "CLJ62-A3S-014SCZ" (laboratory number 44497-1) for method 8080 analysis had high recoveries for 4,4'-DDT and endrin aldehyde and low recovery for DDE in the matrix spike/spike duplicate. These are probable matrix effects. The sample designated "CLJ-A3S-014SCZ" (laboratory number 44497-1) for method 8080 had high relative percent difference for heptachlor, DDT, DDD and endrin aldehyde in the matrix spike/spike duplicate. This was a probable matrix effect.

Statement of Compliancy and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



July 12, 1995



NEW ENGLAND - NEW HAMPSHIRE LABORATORY
 SAMPLE RECEIPT CONDITION REPORT
 Tel. (603) 926-7777
 FAX (603) 926-7939

LAB# 44479
 PAGE 1 of 1
 COOLER of
 COC# 144132
 SDG# LNJNL
 CASE# OTHMRC

CLIENT CHM
 DATE/TIME RECEIVED 6-22-95 0945
 DELIVERED BY P. J. Ex
 RECEIVED BY cash

LIMS ENTRY BY Gmf
 TRANSCRIPTION REVIEW BY dlz
 LIMS REVIEW BY/PM Gmf

	NA	YES	EXCEPTION	COMMENT	RESOLUTION
1. CUSTODY SEALS PRESENT/INTACT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>not on sides / present on samples</u>	
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3. CHAIN OF CUSTODY SIGNED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4. CHAIN OF CUSTODY MATCHES SAMPLES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5. SAMPLES RECEIVED AT 2° - 6° C Ice/Ice Packs Present? <input checked="" type="checkbox"/> or N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ice / No. Temp below</u>	
6. VOLATILES FREE OF HEAD SPACE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. PROPER SAMPLE CONTAINERS AND VOLUME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9. SAMPLES WITHIN HOLD TIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. SAMPLES PROPERLY PRESERVED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11. ANALYTICAL PROGRAMS (circle one)	<input checked="" type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> CLP <input type="checkbox"/> EPA-CLP <input type="checkbox"/> NYASP <input type="checkbox"/> NJ ISRA <input checked="" type="checkbox"/> NEESA <input type="checkbox"/> AFCEE Other _____				
12. NUMBER OF PACE FILTRATIONS:	_____				
13. CORRECTIVE ACTIONS REPORT #	_____				

Log-in Notes: 00

CLIENT AUTHORIZATION SIGNATURE _____ DATE _____

SAMPLE TABLE

CLIENT ID.	MATRIX	PAGE #	PARAMETERS
-----	-----	-----	-----
CLJ62-A3S-014SCZ *SQC*	SOLID	44479-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-002SCZ	SOLID	44479-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2S-002SCZD	SOLID	44479-003	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A2-RB	WATER	44479-004	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3-RB	WATER	44479-005	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-FB	WATER	44479-006	PCBS ORGANOCHLORINE PESTICIDES

Laboratory number: 44479-001
 Sample Designation: CLJ62-A3S-014SCZ
 Date Extracted: 06/26/95
 Date Analyzed: 06/27/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	60
alpha-BHC	BDL	60
beta-BHC	BDL	60
gamma-BHC (Lindane)	BDL	60
delta-BHC	BDL	60
alpha-Chlordane	460	60
gamma-Chlordane	530	60
4,4'-DDT	810	100
4,4'-DDE	230	60
4,4'-DDD	400	100
Dieldrin	BDL	60
Endosulfan I	BDL	60
Endosulfan II	BDL	100
Endosulfan sulfate	BDL	100
Endrin	BDL	60
Endrin aldehyde	BDL	100
Heptachlor	45	J 60
Heptachlor Epoxide	BDL	60
PCB-1242 (Arochlor 1242)	BDL	600
PCB-1254 (Arochlor 1254)	BDL	600
PCB-1221 (Arochlor 1221)	BDL	600
PCB-1232 (Arochlor 1232)	BDL	600
PCB-1248 (Arochlor 1248)	BDL	600
PCB-1260 (Arochlor 1260)	17000	600
PCB-1016 (Arochlor 1016)	BDL	600
Toxaphene	BDL	2000
Endrin Ketone	BDL	100
Methoxychlor	BDL	600

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44479-002
 Sample Designation: CLJ62-A2S-002SCZ
 Date Extracted: 06/26/95
 Date Analyzed: 06/27/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.17 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	60
alpha-BHC	BDL	60
beta-BHC	BDL	60
gamma-BHC (Lindane)	BDL	60
delta-BHC	BDL	60
alpha-Chlordane	260	60
gamma-Chlordane	280	60
4,4'-DDT	660	100
4,4'-DDE	120	60
4,4'-DDD	180	100
Dieldrin	BDL	60
Endosulfan I	BDL	60
Endosulfan II	BDL	100
Endosulfan sulfate	BDL	100
Endrin	BDL	60
Endrin aldehyde	BDL	100
Heptachlor	28 J	60
Heptachlor Epoxide	BDL	60
PCB-1242 (Arochlor 1242)	BDL	600
PCB-1254 (Arochlor 1254)	BDL	600
PCB-1221 (Arochlor 1221)	BDL	600
PCB-1232 (Arochlor 1232)	BDL	600
PCB-1248 (Arochlor 1248)	BDL	600
PCB-1260 (Arochlor 1260)	9600	600
PCB-1016 (Arochlor 1016)	BDL	600
Toxaphene	BDL	2000
Endrin Ketone	BDL	100
Methoxychlor	BDL	600

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44479-003
 Sample Designation: CLJ62-A2S-002SCZD
 Date Extracted: 06/26/95
 Date Analyzed: 06/27/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 13 % , elevating the reporting limits
 by a factor of 1.15 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	60
alpha-BHC	BDL	60
beta-BHC	BDL	60
gamma-BHC (Lindane)	BDL	60
delta-BHC	BDL	60
alpha-Chlordane	330	60
gamma-Chlordane	350	60
4,4'-DDT	590	100
4,4'-DDE	150	60
4,4'-DDD	180	100
Dieldrin	BDL	60
Endosulfan I	BDL	60
Endosulfan II	BDL	100
Endosulfan sulfate	BDL	100
Endrin	BDL	60
Endrin aldehyde	BDL	100
Heptachlor	33	J 60
Heptachlor Epoxide	BDL	60
PCB-1242 (Arochlor 1242)	BDL	600
PCB-1254 (Arochlor 1254)	BDL	600
PCB-1221 (Arochlor 1221)	BDL	600
PCB-1232 (Arochlor 1232)	BDL	600
PCB-1248 (Arochlor 1248)	BDL	600
PCB-1260 (Arochlor 1260)	11000	600
PCB-1016 (Arochlor 1016)	BDL	600
Toxaphene	BDL	2000
Endrin Ketone	BDL	100
Methoxychlor	BDL	600

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.

Laboratory number: 44479-004
Sample Designation: CLJ62-A2-RB
Date Extracted: 06/23/95
Date Analyzed: 06/27/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.06
alpha-BHC	BDL	0.06
beta-BHC	BDL	0.06
gamma-BHC (Lindane)	BDL	0.06
delta-BHC	BDL	0.06
alpha-Chlordane	BDL	0.06
gamma-Chlordane	BDL	0.06
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.06
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.06
Endosulfan I	BDL	0.06
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.06
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.06
Heptachlor Epoxide	BDL	0.06
PCB-1242 (Arochlor 1242)	BDL	0.6
PCB-1254 (Arochlor 1254)	BDL	0.6
PCB-1221 (Arochlor 1221)	BDL	0.6
PCB-1232 (Arochlor 1232)	BDL	0.6
PCB-1248 (Arochlor 1248)	BDL	0.6
PCB-1260 (Arochlor 1260)	BDL	0.6
PCB-1016 (Arochlor 1016)	BDL	0.6
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.6

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

BDL = Below reporting limit

Laboratory number: 44479-005
Sample Designation: CLJ62-A3-RB
Date Extracted: 06/23/95
Date Analyzed: 06/27/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.06
alpha-BHC	BDL	0.06
beta-BHC	BDL	0.06
gamma-BHC (Lindane)	BDL	0.06
delta-BHC	BDL	0.06
alpha-Chlordane	BDL	0.06
gamma-Chlordane	BDL	0.06
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.06
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.06
Endosulfan I	BDL	0.06
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.06
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.06
Heptachlor Epoxide	BDL	0.06
PCB-1242 (Arochlor 1242)	BDL	0.6
PCB-1254 (Arochlor 1254)	BDL	0.6
PCB-1221 (Arochlor 1221)	BDL	0.6
PCB-1232 (Arochlor 1232)	BDL	0.6
PCB-1248 (Arochlor 1248)	BDL	0.6
PCB-1260 (Arochlor 1260)	BDL	0.6
PCB-1016 (Arochlor 1016)	BDL	0.6
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.6

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

BDL = Below reporting limit

Laboratory number: 44479-006
Sample Designation: CLJ62-FB
Date Extracted: 06/23/95
Date Analyzed: 06/28/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.06
alpha-BHC	BDL	0.06
beta-BHC	BDL	0.06
gamma-BHC (Lindane)	BDL	0.06
delta-BHC	BDL	0.06
alpha-Chlordane	BDL	0.06
gamma-Chlordane	BDL	0.06
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.06
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.06
Endosulfan I	BDL	0.06
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.06
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.06
Heptachlor Epoxide	BDL	0.06
PCB-1242 (Arochlor 1242)	BDL	0.6
PCB-1254 (Arochlor 1254)	BDL	0.6
PCB-1221 (Arochlor 1221)	BDL	0.6
PCB-1232 (Arochlor 1232)	BDL	0.6
PCB-1248 (Arochlor 1248)	BDL	0.6
PCB-1260 (Arochlor 1260)	BDL	0.6
PCB-1016 (Arochlor 1016)	BDL	0.6
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.6

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

BDL = Below reporting limit

Laboratory number: B-P4339
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/27/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	10
ALPHA-BHC	BDL	10
BETA-BHC	BDL	10
GAMMA-BHC	BDL	10
DELTA-BHC	BDL	10
ALPHA-CHLORDANE	BDL	10
GAMMA-CHLORDANE	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
DIELDRIN	BDL	10
ENDOSULFAN I	BDL	10
ENDOSULFAN II	BDL	20
ENDOSULFAN SULFATE	BDL	20
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	20
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	100
PCB-1254	BDL	100
PCB-1221	BDL	100
PCB-1232	BDL	100
PCB-1248	BDL	100
PCB-1260	BDL	100
PCB-1016	BDL	100
TOKAPHENE	BDL	400
ENDRIN KETONE	BDL	20
METHOXYCHLOR	BDL	100

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

Laboratory number: B-P4338
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/27/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	0.5
PCB-1254	BDL	0.5
PCB-1221	BDL	0.5
PCB-1232	BDL	0.5
PCB-1248	BDL	0.5
PCB-1260	BDL	0.5
PCB-1016	BDL	0.5
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44479-1 MS
 Sample Designation: CLJ62-A3S-014SCZ MS
 Date Analyzed: 06/28/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	113.900	93.638	82
GAMMA-BHC	0	113.900	93.853	82
BETA-BHC	0	113.900	97.920	86
HEPTACHLOR	45	113.900	142.100	85
DELTA-BHC	0	113.900	112.796	99
ALDRIN	0	113.900	108.551	95
HEPTACHLOR EPOXIDE	0	113.900	122.674	108
4,4'-DDE	230	113.900	310.001	70
DIELDRIN	0	113.900	127.727	112
ENDRIN	0	113.900	132.924	117
4,4'-DDD	400	113.900	360.959	NC
ENDOSULFAN II	0	113.900	94.079	83
4,4'-DDT	810	113.900	1401.51	519
ENDRIN ALDEHYDE	0	113.900	769.324	675
ENDOSULFAN SULFATE	0	113.900	118.582	104
METHOXYCHLOR	0	1139.000	1149.15	101
ENDOSULFAN I	0	113.900	94.739	83

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44479-1 MSD
 Sample Designation: CLJ62-A3S-014SCZ MSD
 Date Analyzed: 06/28/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2		REL. DIFF. %
			ug/Kg FOUND	%REC- OVERY	
ALPHA-BHC	0	112.100	87.411	78	5.2
GAMMA-BHC	0	112.100	91.424	82	0.98
BETA-BHC	0	112.100	98.958	88	2.6
HEPTACHLOR	0	112.100	113.667	61	32.7
DELTA-BHC	45	112.100	102.489	91	8.0
ALDRIN	0	112.100	96.814	86	9.8
HEPTACHLOR EPOXIDE	0	112.100	112.221	100	7.3
4,4'-DDE	230	112.100	249.088	17	122.0
DIELDRIN	0	112.100	113.291	101	10.3
ENDRIN	0	112.100	115.826	103	12.2
4,4'-DDD	400	112.100	418.507	16	NC
ENDOSULFAN II	0	112.100	88.850	79	4.1
4,4'-DDT	810	112.100	1157.29	310	50.4
ENDRIN ALDEHYDE	0	112.100	516.228	460	38
ENDOSULFAN SULFATE	0	112.100	111.562	99	4.5
METHOXYCHLOR	0	1121.000	1075.29	96	5.1
ENDOSULFAN I	0	112.100	85.324	76	8.9

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LSP4339
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 06/27/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	100.000	74.631	75
GAMMA-BHC	0	100.000	80.761	81
BETA-BHC	0	100.000	83.446	83
HEPTACHLOR	0	100.000	75.959	76
DELTA-BHC	0	100.000	91.534	91
ALDRIN	0	100.000	79.345	79
HEPTACHLOR EPOXIDE	0	100.000	86.063	86
4,4'-DDE	0	100.000	88.210	88
DIELDRIN	0	100.000	84.720	85
ENDRIN	0	100.000	90.296	90
4,4'-DDD	0	100.000	88.214	88
ENDOSULFAN II	0	100.000	78.035	78
4,4'-DDT	0	100.000	91.752	92
ENDRIN ALDEHYDE	0	100.000	81.272	81
ENDOSULFAN SULFATE	0	100.000	92.505	92
METHOXYCHLOR	0	1000.000	825.698	83
ENDOSULFAN I	0	100.000	65.992	66

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4338
 Sample Designation: LABORATORY CONTROL SAMPLES
 Date Analyzed: 06/27/95
 Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.198	79
GAMMA-BHC	0	0.250	0.209	84
BETA-BHC	0	0.250	0.218	87
HEPTACHLOR	0	0.250	0.200	80
DELTA-BHC	0	0.250	0.227	91
ALDRIN	0	0.250	0.199	79
HEPTACHLOR EPOXIDE	0	0.250	0.220	88
4,4'-DDE	0	0.250	0.213	85
DIELDRIN	0	0.250	0.208	83
ENDRIN	0	0.250	0.222	89
4,4'-DDD	0	0.250	0.205	82
ENDOSULFAN II	0	0.250	0.192	77
4,4'-DDT	0	0.250	0.228	91
ENDRIN ALDEHYDE	0	0.250	0.209	84
ENDOSULFAN SULFATE	0	0.250	0.230	92
METHOXYCHLOR	0	2.500	2.143	86
ENDOSULFAN I	0	0.250	0.175	70

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

PACE INCORPORATED
Organics Extraction
AQUEOUS PREP LOG

PROTOCOL: EPA SW846

SOP #: CR 5528

MATRIX: AQUEOUS

LOG BOOK NO: 2

METHOD: CONT/3520 SEPF/3510

TEST / LEVEL: PEST/PCB /

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT VOL (L)	SURR # AMT/CONC INITIALS	LCS MS/MSD	SPIKE # AMT/CONC.	INTER VOL (mL)	ALIQUOT VOL (mL)	FINAL VOL (mL)	SENT LAB/UX
	7/23/95	AP4338	1.0	61353		N/A	10.0	1.0	1.0	(N/A) 7/23/95
		LS04338	1.0	0.5 ml		81356 2.5 ml 1.0 ml				
7		44455-5	.900	2.9pp	44370-6ml	N/A				
8		44438-3	.900		-6msd					
9		44455-4	.890							
		44455-3								
10		44479-4	.890							
11		-5	.840							
12		-6	.700							

COMMENTS: _____

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: _____

METHOD: SCNC/3550

MATRIX: SOLID

TEST / LEVEL: PEST/PCB / MED

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	HA2SO4 (g)	INTER VOL (mL)	ALIQOT VOL (mL)	FINAL VOL (mL)
-	RAL	EP4339	5.0	E1353	LSP4339	N/A	10.0	10.0	1.0	1.0
-	6/26/95	LSP4339	5.0	1.0 ml	44479-1/MSD	E1356 0.5 ml				
1		44479-1	5.14	2.0 ppm		N/A				
-		-1ms	5.10			E1356 0.5 ml				
-		-1msd	5.19			1.0 + 10.0 PPM				
2		-2	5.18			N/A				
3	✓	-3	5.05	↓	✓	↓	↓	↓	↓	↓
<p>RAL 6/26/95</p>										

56
2
6i

COMMENTS: _____

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PCB1660025.MTH
Method created: 03/10/95 10:26:39
Method updated: 03/10/95 12:28:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17431.RES
Level 2 /DATA/GC01/RESULT/G1H17432.RES
Level 3 /DATA/GC01/RESULT/G1H17433.RES
Level 4 /DATA/GC01/RESULT/G1H17434.RES
Level 5 /DATA/GC01/RESULT/G1H17435.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.21	TCX	.99983	499.50	1121754.00	-131763.00
2	8.02	AR1016	.99981	89.98	24019.71	-1741.84
	9.39	AR1016	.99991	456.82	40276.45	-3986.96
4	10.72	AR1016	.99996	172.56	69042.09	-4409.04
5	11.20	AR1016	.99996	1.42	31060.59	-1717.55
6	12.84	AR1016	.99999	108.32	26980.75	-1575.84
7	17.37	AR1260	.99990	612.66	53299.16	-4169.42
8	20.11	AR1260	.99993	-14.76	38433.24	-1694.84
9	20.72	AR1260	.99990	-116.13	81551.42	-2326.58
10	22.49	AR1260	.99988	-179.45	39269.30	-730.72
11	25.20	AR1260	.99991	-45.92	15729.97	184.17
12	29.95	OCB	.99997	747.68	507385.75	-175641.72

$$R = B0 + B1X + B2X^2$$

FACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC11/METHOD/PCB1660025.MTH
Method created: 03/10/95 10:25:01
Method updated: 03/10/95 15:19:33

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17431.RES
Level 2 /DATA/GC11/RESULT/G11H17432.RES
Level 3 /DATA/GC11/RESULT/G11H17433.RES
Level 4 /DATA/GC11/RESULT/G11H17434.RES
Level 5 /DATA/GC11/RESULT/G11H17435.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.65	TCX	.99992	-2570.22	1341550.20	-141280.72
2	7.17	AR1016	.99950	401.90	24191.39	-1084.79
	8.35	AR1016	.99989	274.63	50988.50	-3905.36
4	9.74	AR1016	1.0000	47.33	80138.92	-3284.30
5	10.19	AR1016	.99996	-5.09	34959.98	-1325.64
6	10.84	AR1016	.99984	128.88	27239.73	-1603.10
7	15.55	AR1260	.99992	245.80	51020.87	-3074.20
8	16.27	AR1260	.99995	491.38	59684.50	-4547.90
9	17.39	AR1260	.99995	-31.08	69878.08	-2707.91
10	19.51	AR1260	1.0000	178.83	79530.28	-2656.86
11	20.73	AR1260	.99993	-200.70	47003.97	-478.98
12	25.50	DCB	.99997	775.86	566708.63	-186657.03

$$R = B_0 + B_1X + B_2X^2$$

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+
    
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for /DATA/GC01/METHOD/PEST134.MTH
 Method created: 06/26/95 16:49:50
 Method updated: 06/27/95 09:29:29

Result files used for Calibration data:
 Level 1 /DATA/GC01/RESULT/G1W18296.RES
 Level 2 /DATA/GC01/RESULT/G1W18297.RES
 Level 3 /DATA/GC01/RESULT/G1W18298.RES
 Level 4 /DATA/GC01/RESULT/G1W18299.RES
 Level 5 /DATA/GC01/RESULT/G1W18300.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.16	TCX	.99950	383.13	1257610.50	-247302.78
2	8.20	ALPHA-BHC	.99987	-432.05	887467.00	18729992.0
3	9.47	GAMMA-BHC	.99993	-221.04	886739.37	14293648.0
4	9.73	BETA-BHC	.99987	-17.21	670492.37	2138241.50
5	10.75	HEPTACHLOR	.99984	-238.93	1039074.10	6929940.00
6	10.93	DELTA-BHC	.99999	73.02	630529.75	15382408.0
7	11.85	ALDRIN	.99967	-149.15	759924.87	7661110.00
8	13.73	HEPTACHLOR EPOXIDE	.99998	-29.43	844973.75	4820279.00
9	14.38	GAMMA-CHLORDANE	.99980	-78.37	838450.88	5379895.00
10	14.93	ALPHA-CHLORDANE/ENDOSULFA	.99990	-462.68	751306.25	1900841.00
11	15.74	4,4'-DDE	.99986	-434.57	715660.37	3867459.00
12	15.98	DIELDRIN	.99967	-512.38	733038.38	3586155.00
13	17.14	ENDRIN	.99991	-237.18	633590.87	3076409.50
14	17.63	4,4'-DDD	.99979	-501.49	486425.37	2701434.50
15	17.79	ENDOSULFAN II	.99972	-338.23	748833.87	2126359.00
16	18.68	4,4'-DDT	.99969	-593.33	570914.75	3210991.50
17	18.82	ENDRIN ALDEHYDE	.99997	-299.84	669952.87	849535.87
18	19.36	ENDOSULFAN SULFATE	.99999	-148.11	627932.50	1905174.50
19	21.59	METHOXYCHLOR	.99999	-297.02	415915.75	-22399.77
20	21.92	ENDRIN KETONE	.99979	-573.65	590793.12	2061235.00
21	29.76	DCB	.99993	396.50	523372.69	-189241.09

$$R = B_0 + B_1X + B_2X^2$$

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

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for /DATA/GC11/METHOD/PEST134.MTH
Method created: 06/26/95 16:50:21
Method updated: 06/27/95 09:30:21

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11W18296.RES
Level 2 /DATA/GC11/RESULT/G11W18297.RES
Level 3 /DATA/GC11/RESULT/G11W18298.RES
Level 4 /DATA/GC11/RESULT/G11W18299.RES
Level 5 /DATA/GC11/RESULT/G11W18300.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.60	TCX	.99905	-452.00	1407613.70	-177239.16
2	8.15	ALPHA-BHC	.99925	-888.70	1016255.10	15594548.0
3	9.40	GAMMA-BHC	.99916	-872.25	1101066.20	7096197.00
4	10.03	HEPTACHLOR	.99915	-192.18	1106709.00	5211573.00
5	10.87	ALDRIN	.99988	18.26	778469.50	8925414.00
6	11.73	BETA-BHC	.99915	-111.38	645359.00	2020134.70
7	12.49	DELTA-BHC	.99995	-139.66	599631.62	12961590.0
8	13.11	HEPTACHLOR EPOXIDE	.99991	57.95	856964.88	5386155.00
9	13.98	ENDOSULFAN I	.99998	-106.71	798711.25	5703813.00
10	14.13	GAMMA-CHLORDANE	.99966	-142.42	909710.63	4000785.50
11	14.38	ALPHA-CHLORDANE	.99993	22.54	893888.38	4931748.00
12	14.63	4,4'-DDE	.99898	-1016.51	762435.75	3508150.50
13	15.17	DIELDRIN	.99920	-1048.89	861314.37	2553319.50
14	15.85	ENDRIN	.99982	-600.34	716143.12	2610309.00
15	17.18	4,4'-DDD	.99990	-454.85	547411.25	2344705.50
16	17.40	ENDOSULFAN II	.99993	-395.63	780527.50	1344285.70
17	17.71	4,4'-DDT	.99966	-491.76	567284.50	2487043.00
18	18.73	ENDRIN ALDEHYDE	.99986	-240.72	410603.69	299137.19
19	19.77	METHOXYCHLOR/ENDO SULFATE	.99994	675.19	452760.75	3720.23
20	21.09	ENDRIN KETONE	.99969	-567.65	641430.62	1255396.00
21	25.40	DCB	.99989	679.89	564942.12	-223640.09

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated
Continuing Calibration Report

Fri Jul 7, 1995 9:05:34 am

/DATA/GC01/RESULT/G1W18305.RES
/DATA/GC01/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Tue Jun 27, 1995 2:40:47 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.112	.100	12.2	112.2
8.00	AR1016	.557	.500	11.5	111.5
9.38	AR1016	.556	.500	11.1	111.1
10.70	AR1016	.547	.500	9.4	109.4
11.20	AR1016	.545	.500	8.9	108.9
12.82	AR1016	.523	.500	4.6	104.6
17.34	AR1260	.527	.500	5.5	105.5
20.07	AR1260	.516	.500	3.3	103.3
20.69	AR1260	.522	.500	4.5	104.5
22.43	AR1260	.526	.500	5.1	105.1
25.13	AR1260	.526	.500	5.1	105.1
29.83	DCB	.108	.100	8.1	108.1

PACE, Incorporated
Continuing Calibration Report

Fri Jul 7, 1995 9:05:55 am

/DATA/GC11/RESULT/G11W18305.RES
/DATA/GC11/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Tue Jun 27, 1995 2:40:47 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.110	.100	9.6	109.6
7.15	AR1016	.515	.500	2.9	102.9
8.33	AR1016	.514	.500	2.8	102.8
9.71	AR1016	.513	.500	2.6	102.6
10.16	AR1016	.505	.500	1.0	101.0
10.81	AR1016	.508	.500	1.6	101.6
15.52	AR1260	.478	.500	4.4	95.6
16.23	AR1260	.506	.500	1.2	101.2
17.36	AR1260	.489	.500	2.2	97.8
19.47	AR1260	.499	.500	.1	99.9
20.64	AR1260	.491	.500	1.8	98.2
25.42	DCB	.101	.100	.6	100.6

PACE, Incorporated
Continuing Calibration Report

Tue Jun 27, 1995 2:59:07 pm

/DATA/GC01/RESULT/G1W18321.RES
/DATA/GC01/METHOD/PEST134.MTH

Sample: IND2A8 P8688
Injected: Tue Jun 27, 1995 1:09:19 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.096	.100	4.1	95.9
8.23	ALPHA-BHC	.019	.020	6.4	93.6
9.50	GAMMA-BHC	.019	.020	2.7	97.3
9.76	BETA-BHC	.019	.020	7.2	92.8
10.77	HEPTACHLOR	.019	.020	6.6	93.4
10.96	DELTA-BHC	.020	.020	2.1	97.9
11.89	ALDRIN	.019	.020	6.6	93.4
13.76	HEPTACHLOR EPOXIDE	.020	.020	.4	100.4
14.41	GAMMA-CHLORDANE	.020	.020	.9	100.9
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	2.3	102.3
15.77	4,4'-DDE	.041	.040	2.9	102.9
16.01	DIELDRIN	.041	.040	2.2	102.2
17.17	ENDRIN	.039	.040	1.6	98.4
17.66	4,4'-DDD	.041	.040	2.6	102.6
17.81	ENDOSULFAN II	.042	.040	5.2	105.2
19.71	4,4'-DDT	.043	.040	7.8	107.8
18.85	ENDRIN ALDEHYDE	.045	.040	6.3	106.3
19.40	ENDOSULFAN SULFATE	.044	.040	9.6	109.6
21.63	METHOXYCHLOR	.207	.200	3.3	103.3
21.97	ENDRIN KETONE	.045	.040	12.8	112.8
29.85	DCE	.107	.100	6.5	106.5

PACE, Incorporated
Continuing Calibration Report

Tue Jun 27, 1995 2:59:30 pm

/DATA/GC11/RESULT/G11W18321.RES
/DATA/GC11/METHOD/PEST134.MTH

Sample: IND2AB P8688
Injected: Tue Jun 27, 1995 1:09:19 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.62	TCX	.088	.100	12.3	87.7
8.16	ALPHA-BHC	.019	.020	4.7	95.3
9.41	GAMMA-BHC	.019	.020	5.0	95.0
10.04	HEPTACHLOR	.020	.020	1.9	98.1
10.89	ALDRIN	.019	.020	4.7	95.3
11.74	BETA-BHC	.020	.020	.6	99.4
12.50	DELTA-BHC	.020	.020	.3	100.3
13.12	HEPTACHLOR EPOXIDE	.020	.020	.2	99.8
14.00	ENDOSULFAN I	.020	.020	1.4	101.4
14.14	GAMMA-CHLORDANE	.020	.020	1.0	101.0
14.59	ALPHA-CHLORDANE	.020	.020	1.3	101.3
14.64	4,4'-DDE	.040	.040	.7	100.7
15.17	DIELDRIN	.040	.040	.9	99.1
15.87	ENDRIN	.038	.040	4.0	96.0
17.19	4,4'-DDD	.039	.040	1.3	98.7
17.42	ENDOSULFAN II	.040	.040	.9	99.1
17.73	4,4'-DDT	.042	.040	4.4	104.4
18.75	ENDRIN ALDEHYDE	.041	.040	3.0	103.0
19.79	METHOXYCHLOR/ENDO SULFATE	.245	.240	2.1	102.1
21.12	ENDRIN KETONE	.042	.040	4.1	104.1
25.42	DCB	.103	.100	2.7	102.7

PACE, Incorporated
Continuing Calibration Report

Tue Jun 27, 1995 3:20:05 pm

/DATA/GC01/RESULT/G1W18323.RES
/DATA/GC01/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Tue Jun 27, 1995 1:49:41 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.111	.100	10.8	110.8
7.99	AR1016	.539	.500	7.9	107.9
9.36	AR1016	.552	.500	10.5	110.5
10.68	AR1016	.537	.500	7.5	107.5
11.18	AR1016	.532	.500	6.5	106.5
12.80	AR1016	.541	.500	8.1	108.1
17.33	AR1260	.541	.500	8.1	108.1
20.05	AR1260	.518	.500	3.6	103.6
20.67	AR1260	.544	.500	8.9	108.9
22.42	AR1260	.534	.500	6.7	106.7
25.11	AR1260	.536	.500	7.1	107.1
29.82	DCB	.110	.100	9.8	109.8

PACE, Incorporated
Continuing Calibration Report

Tue Jun 27, 1995 3:20:21 pm

/DATA/GC11/RESULT/G11W18323.RES
/DATA/GC11/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Tue Jun 27, 1995 1:49:41 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.099	.100	.9	99.1
7.13	AR1016	.552	.500	10.5	110.5
8.31	AR1016	.513	.500	2.6	102.6
9.70	AR1016	.515	.500	3.0	103.0
10.14	AR1016	.517	.500	3.4	103.4
10.78	AR1016	.530	.500	6.0	106.0
15.50	AR1260	.508	.500	1.6	101.6
16.21	AR1260	.496	.500	.8	99.2
17.34	AR1260	.500	.500	.0	100.0
19.45	AR1260	.484	.500	3.2	96.8
20.62	AR1260	.490	.500	1.9	98.1
25.40	DCB	.102	.100	2.5	102.5

PACE, Incorporated
Continuing Calibration Report

Wed Jun 28, 1995 9:58:25 am

/DATA/GC01/RESULT/G1W18327.RES
/DATA/GC01/METHOD/PEST134.MTH

Sample: P8688 IND 2AB
Injected: Wed Jun 28, 1995 9:18:55 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.105	.100	4.6	104.6
8.21	ALPHA-BHC	.018	.020	8.2	91.8
9.47	GAMMA-BHC	.020	.020	.6	99.4
9.74	BETA-BHC	.020	.020	.1	99.9
10.75	HEPTACHLOR	.018	.020	7.6	92.4
10.93	DELTA-BHC	.020	.020	1.6	101.6
11.86	ALDRIN	.020	.020	1.3	98.7
13.73	HEPTACHLOR EPOXIDE	.021	.020	4.5	104.5
14.39	GAMMA-CHLORDANE	.021	.020	2.7	102.7
14.94	ALPHA-CHLORDANE/ENDOSULFAN I	.042	.040	5.4	105.4
15.74	4,4'-DDE	.041	.040	3.0	103.0
15.98	DIELDRIN	.041	.040	2.4	102.4
17.14	ENDRIN	.041	.040	2.1	102.1
17.63	4,4'-DDD	.044	.040	9.6	109.6
17.78	ENDOSULFAN II	.043	.040	7.7	107.7
18.68	4,4'-DDT	.042	.040	5.9	105.9
18.83	ENDRIN ALDEHYDE	.043	.040	8.7	108.7
19.37	ENDOSULFAN SULFATE	.045	.040	12.1	112.1
21.60	METHOXYCHLOR	.209	.200	4.3	104.3
21.93	ENDRIN KETONE	.045	.040	12.4	112.4
29.78	DCB	.107	.100	6.7	106.7

PACE, Incorporated
Continuing Calibration Report

Wed Jun 28, 1995 9:58:44 am

/DATA/GC11/RESULT/G11W18327.RES
/DATA/GC11/METHOD/PEST134.MTH

Sample: P8688 IND 2AB
Injected: Wed Jun 28, 1995 9:18:55 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.095	.100	5.0	95.0
8.16	ALPHA-BHC	.018	.020	12.2	87.8
9.40	GAMMA-BHC	.020	.020	1.3	98.7
10.03	HEPTACHLOR	.019	.020	4.6	95.4
10.87	ALDRIN	.020	.020	.2	100.2
11.73	BETA-BHC	.020	.020	1.6	101.6
12.49	DELTA-BHC	.019	.020	6.6	93.4
13.11	HEPTACHLOR EPOXIDE	.020	.020	.8	99.2
13.99	ENDOSULFAN I	.019	.020	4.3	95.7
14.13	GAMMA-CHLORDANE	.020	.020	2.1	102.1
14.38	ALPHA-CHLORDANE	.020	.020	.7	99.3
14.63	4,4'-DDE	.040	.040	.7	100.7
15.17	DIELDRIN	.041	.040	2.2	102.2
15.85	ENDRIN	.037	.040	6.7	93.3
17.17	4,4'-DDD	.041	.040	2.1	102.1
17.41	ENDOSULFAN II	.042	.040	4.1	104.1
17.72	4,4'-DDT	.039	.040	1.5	98.5
18.74	ENDRIN ALDEHYDE	.045	.040	12.7	112.7
19.78	METHOXYCHLOR/ENDO SULFATE	.234	.240	2.5	97.5
21.10	ENDRIN KETONE	.043	.040	6.5	106.5
25.59	DDB	.102	.100	2.2	102.2

FACE, Incorporated
Continuing Calibration Report

Fri Jul 7, 1995 9:06:29 am

/DATA/GC01/RESULT/G1W18331.RES
/DATA/GC01/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Wed Jun 28, 1995 11:49:21 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.15	TCX	.108	.100	7.9	107.9
7.97	AR1016	.567	.500	13.3	113.3
9.34	AR1016	.567	.500	13.4	113.4
10.66	AR1016	.555	.500	10.9	110.9
11.16	AR1016	.545	.500	9.0	109.0
12.78	AR1016	.540	.500	8.0	108.0
17.31	AR1260	.560	.500	12.0	112.0
20.03	AR1260	.542	.500	8.3	108.3
20.65	AR1260	.539	.500	7.7	107.7
22.39	AR1260	.543	.500	8.5	108.5
25.07	AR1260	.540	.500	8.1	108.1
29.76	DCB	.110	.100	10.3	110.3

PACE, Incorporated
Continuing Calibration Report

Fri Jul 7, 1995 9:06:14 am

/DATA/GC11/RESULT/G11W18331.RES
/DATA/GC11/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Wed Jun 28, 1995 11:49:21 am

RetTime	Analyte	Found	Nominal	ZD	Recovery
5.60	TCX	.107	.100	7.3	107.3
7.11	AR1016	.520	.500	4.0	104.0
8.29	AR1016	.509	.500	1.8	101.8
9.68	AR1016	.510	.500	1.9	101.9
10.13	AR1016	.504	.500	.9	100.9
10.78	AR1016	.513	.500	2.7	102.7
15.49	AR1260	.495	.500	1.0	99.0
16.20	AR1260	.514	.500	2.7	102.7
17.33	AR1260	.503	.500	.7	100.7
19.44	AR1260	.503	.500	.6	100.6
20.61	AR1260	.497	.500	.6	99.4
25.38	DCB	.102	.100	2.4	102.4

PACE, INCORPORATED
GC Instrument Run Log

0000025

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
3/8/95	113	61111417389	AR1248 0.05 ppm P8493	N	N	pest125	112/110	611110308
		390	AR1248 0.2 ppm P8495					
		391	AR1248 0.5 ppm P8496					
		392	AR1248 1.0 ppm P8497					
		393	AR1248 2.0 ppm P8498					
		394	AR1254 0.05 ppm P8499					
		395	AR1254 0.2 ppm P8501					
		396	AR1254 0.5 ppm P8502					
		397	AR1254 1.0 ppm P8503					
		398	AR1254 2.0 ppm P8504					
		399	AR1660 0.05 ppm P8505					
		400	AR1660 0.2 ppm P8507					
		401	AR1660 0.5 ppm P8508					
		402	AR1660 1.0 ppm P8509					
		403	AR1660 2.0 ppm P8510					
		404	AR1221 0.2 ppm P8520					
		405	AR1232 0.1 ppm P8486					
3/11/95	113	406	IND2A13 P8517 Test PCB					
		407						
			using 32 min for GC01 PCB peak					
		408	Env.2 P8199 0.1 ppm	N	Y	pest126	112/110	611110309
		409	P8515 Ind 0.5 AB					
		410	P8516 1 AB					
		411	P8517 2 AB					
		412	P8518 3 AB					
		413	P8519 5 AB					
		414	43127-2 PIP w Smear (V 410/1:5641m)	N	Y	Pest126		
		415	P8104 1 ppm TCX	N	Y	Pest126		
		416	AR1242 0.05 ppm P8487	N	Y	P81242036		
		417	0.2 P8489					
		418	0.5 P8490					

Not accepted due to
wrong temp. Need to
increase final time to 7.5
DCB.

PACE, INCORPORATED
GC Instrument Run Log

0000026

Circle one:
CLP/PHC/OPP/HERB/P-2

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
7/2/95	(sw)	G1111417419	AR1247 1.0ppm PB491	N	Y	PCB1242036	112/110	G11110509
			420 AR1242 2.0ppm PB492			↓		
			421 AR1248 0.05 ppm PB493			PCB1248053		
			422 0.2 PB495					
			423 0.5 PB496					
			424 1.0 PB497					
			425 ↓ 2.0 ↓ PB498			↓		
3/10/95			426 AR1254 0.05 ppm PB499			PCB1254060		
			427 0.2 PB501					
			428 0.5 PB502					
			429 1.0 PB503					
			430 ↓ 2.0 ↓ PB504			↓		
			431 AR1660 0.05 ppm PB505			PCB1660025		
			432 0.2 PB507					
			433 0.5 PB508					
			434 1.0 PB509					
			435 ↓ 2.0 ↓ PB510			↓		
			436 AR1221 0.2 ppm PB520			PCB1221014		
			437 AR1232 0.1 ppm PB486	✓	✓	PCB123201		
			438 PB520 AR1221 0.2 ppm ^{CF→1-73,460} 11-76,815	N	Y	PCB1221014		
			439 PB401 INDOANB (for OBC only) ^{OBC→CF→1-573,820} 11-573,610	N	Y	Pest125		
			440 PB404 AR1221 0.2 ppm ^{CF→1-77830} 11-77075	N	Y	PCB1221014		
			441 BP4236 P1P-W	N	Y	Pest126		
			442 LSP4236 P1P-W					
			443 43159-1 P1P-W D.E.S/O316 ^{6/24/95 Rec}					
			444 BP4237 P1P-W					
			445 LSP4237 P1P-W					
			446 43165-1 P1P-W O313 BAC					
			447 41001-259 P1P-W KLP Blank	✓	✓			
✓	✓		448 BP4234 PCB-ms	N	Y	PCB1254060		✓
	✓	✓	449 LSP4234 R.ms	↓	↓	↓	✓	

PACE, INCORPORATED
GC Instrument Run Log

0000054

Circle one:
CLP/PHC/OPP/HERB/P-3

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
6/26/45	(P)	6/11/116290	Xylene	N	Y	PostH34	112/110	6/110626
		291						
		292						
		293						
		294						
		295	P8550 0.1PPM EVAL	N	Y			
		296	IND 05 AB P8677					
		297	IND 1AB P8678					
		298	IND 2AB P8675					
		299	IND 3AB P8679					
		300	IND 5AB P8680					
6/27/45		301	P8567 0.5PPM TOX					
		302	AR1242 0.5PPM P8695 1 - 102/106/106 11 - 100/101/101	N	Y	PCB1242036		
		303	AR1246 P8686 1 - 111/107/107 11 - 103/102/101	N	Y	PCB1248053		
		304	AR1254 P8668 1 - 112/101/107 11 - 106/99/100	N	Y	PCB1254064		
		305	AR1666 P8676 1 - 112/101/105/108 11 - 110/102/99/101	N	Y	PCB1666025A		
		306	BP4338 PIP-W LINDX/CHS46/47			PostH34		
		307	LSP4338 PIP-W					
		308	BP4339 PIP-MS LINDX					
		309	LSP4339 L					
		310	44479-1 PIP-MS LINDX/NEUSAC/10627 1:200diln	N	N	→ trm a 1:20 diln		
		311	-2			→ trm a 1:10 diln		
		312	-3			→ trm a 1:10 diln		
		313	-4 PIPW	N	Y			
		314	-5					
		315	-6					
		316	IND 2AB P8675 1 - Und. add. 16.97.0 11 - all Pass	N	Y	PostH34		
		317	AR1254 0.5PPM P8668 1 - 107/107/111 11 - 90/100/104	N	Y	PCB1254064		
		318	44479-1 PIP MS LINDX/NEUSAC/10627 1:200diln			→ trm a 1:5 diln		
		319	-2			→ trm a 1:5 diln		
		320	-3			→ trm a 1:5 diln		

PACE, INCORPORATED
GC Instrument Run Log

0000055

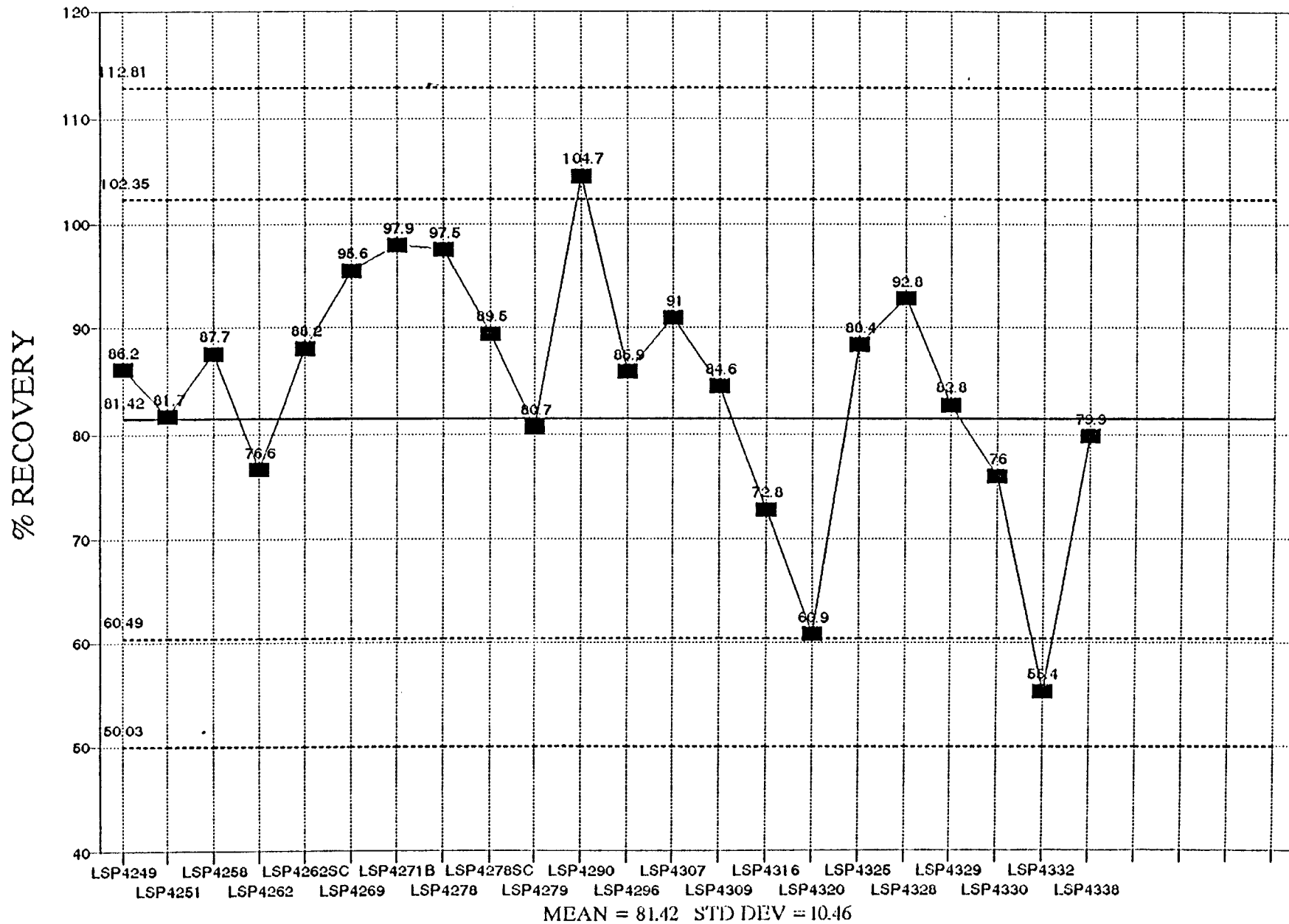
Circle operator
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence	
6/27/45	Ⓟ	G1/11W18321	IND 2 AB P 8686	GOOD	pass	N Y	PestH34	112/110	G1/110027
			322	-					
			323	AR1660	0.5PPM P8676	1 - 111/100/110 11 - 99/105/99/102	N Y	PCB1660025A	
			324	44479-1	PIP-MS L5N06/Nersac/4627	1:5 dil.	N Y	PestH34/PCB1660025A	
			325	-2					
			326	-3					
6/28/45		Signal 1 = 18.1	Signal 2 = 12.5						
6/28/45	Ⓟ	G1/11W18327	P8688 IND 2 AB	all	pass	N Y	PestH34	112/110	G1/110628
			328	AR1242	0.5PPM P8685	1 - 105/106/108 11 - 104/101/101	N Y	PCB1242636A	
			329	AR1246	P8686	1 - 109/110/110 11 - 100/103/102	N Y	PCB1248053A	
			330	AR1234	P8687	1 - 106/107/108 11 - 104/101/101		PCB124660A	
			331	AR1660	P8676	1 - 108/111/101/110 11 - 107/107/100/102		PCB1660025A	
			332	44479-6	PIP-W L5N06/Nersac/02-cl.		N Y	PestH34	
			333	LSP4332	PIP-W		N Y		
			334	BP4336	SEC PIP-LS	CHS46			
			335	LSP4336					
			336	LSP4336	SEC				
			337	44479-1	MS PIP-MS L5N06/1:5 dil.		N Y		
			338	-1	MSD		N Y		
			339	44438-13	PIP-W CHS46/Nersac/0713				
			340	44455-4		CHS47/Nersac/0713			
			341	-5					
			342	IND 2 AB	P8688			PestH34	
			343	AR1242	0.5PPM P8685			PCB1242636A	
			344	AR1246	P8686			PCB1248053A	
			345	AR1234	P8687			PCB124660A	
			346	AR1660	P8676			PCB1660025A	
			347	44426-18	PIP-LS CHS46/Nersac/1:5 C.				
			348	-18MS					
			349	-18MS					
			350	-2					

COMMERCIAL PESTICIDE WATERS- HEPTACHLOR

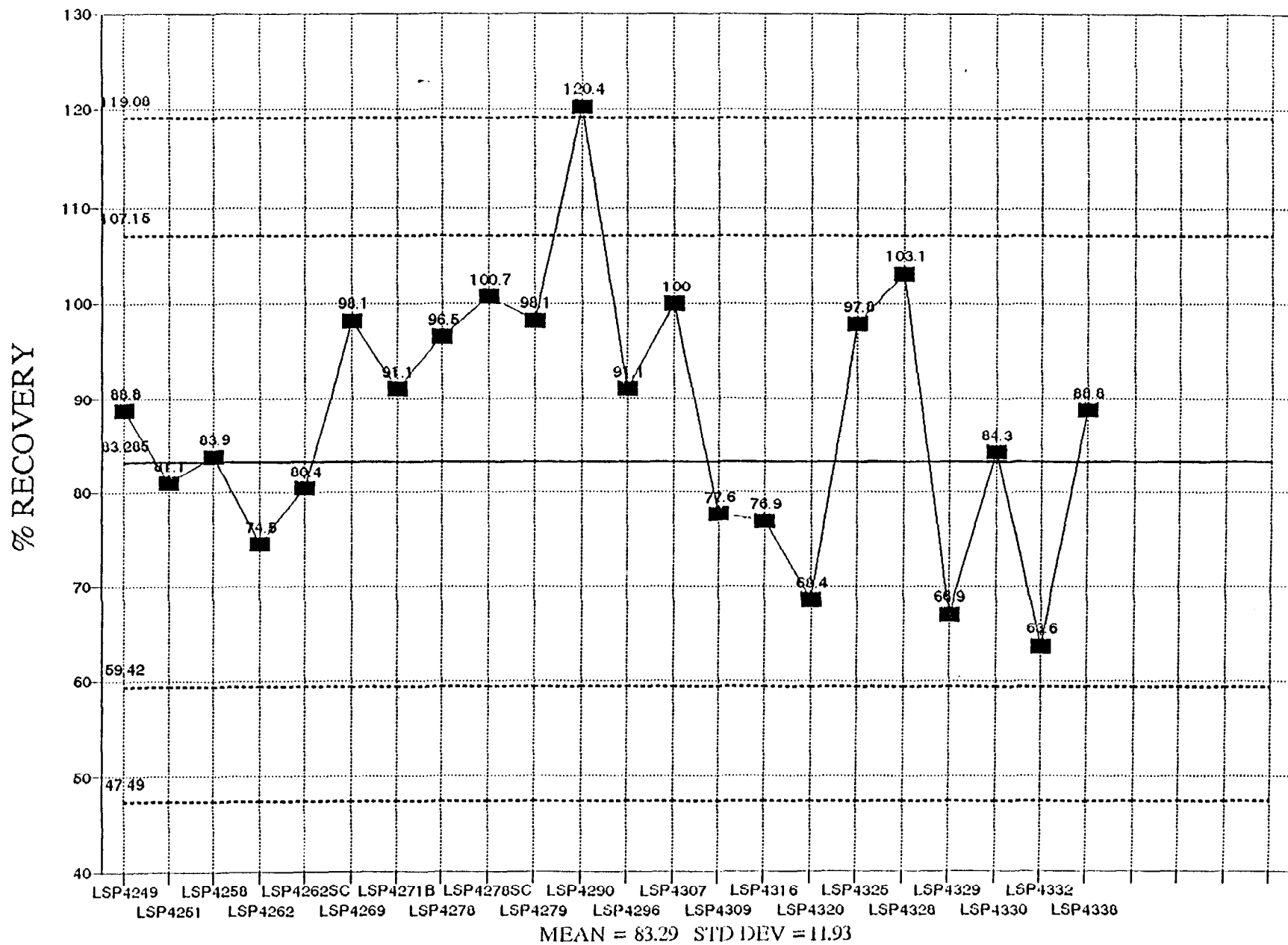
SPK REC LIMITS SET4/95-PPCBCIIT\PESTW394



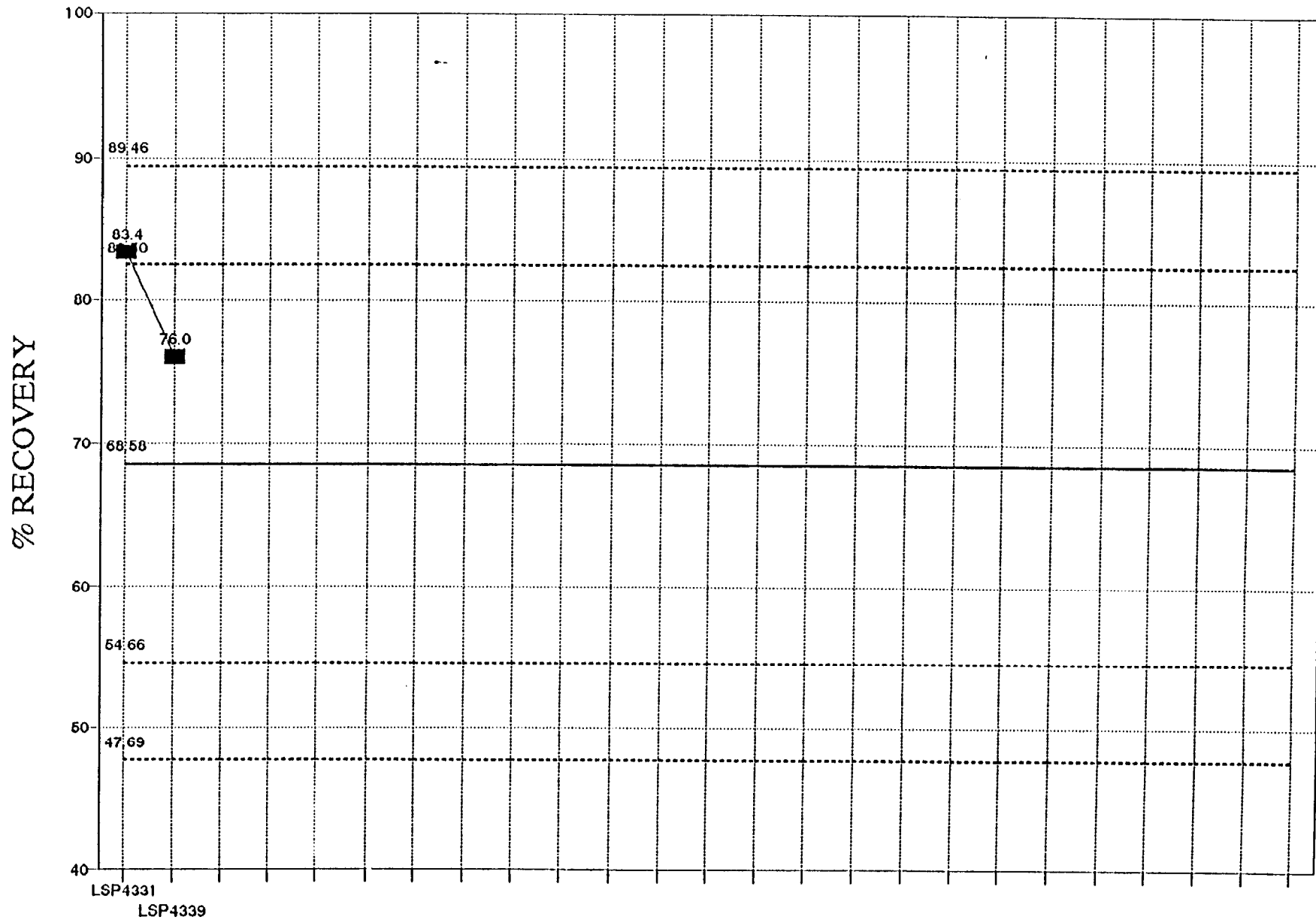
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COMMERCIAL PESTICIDE WATERS- ENDRIN

SPK REC LIMITS SET-4/95-PPCBCH\PEST2W94



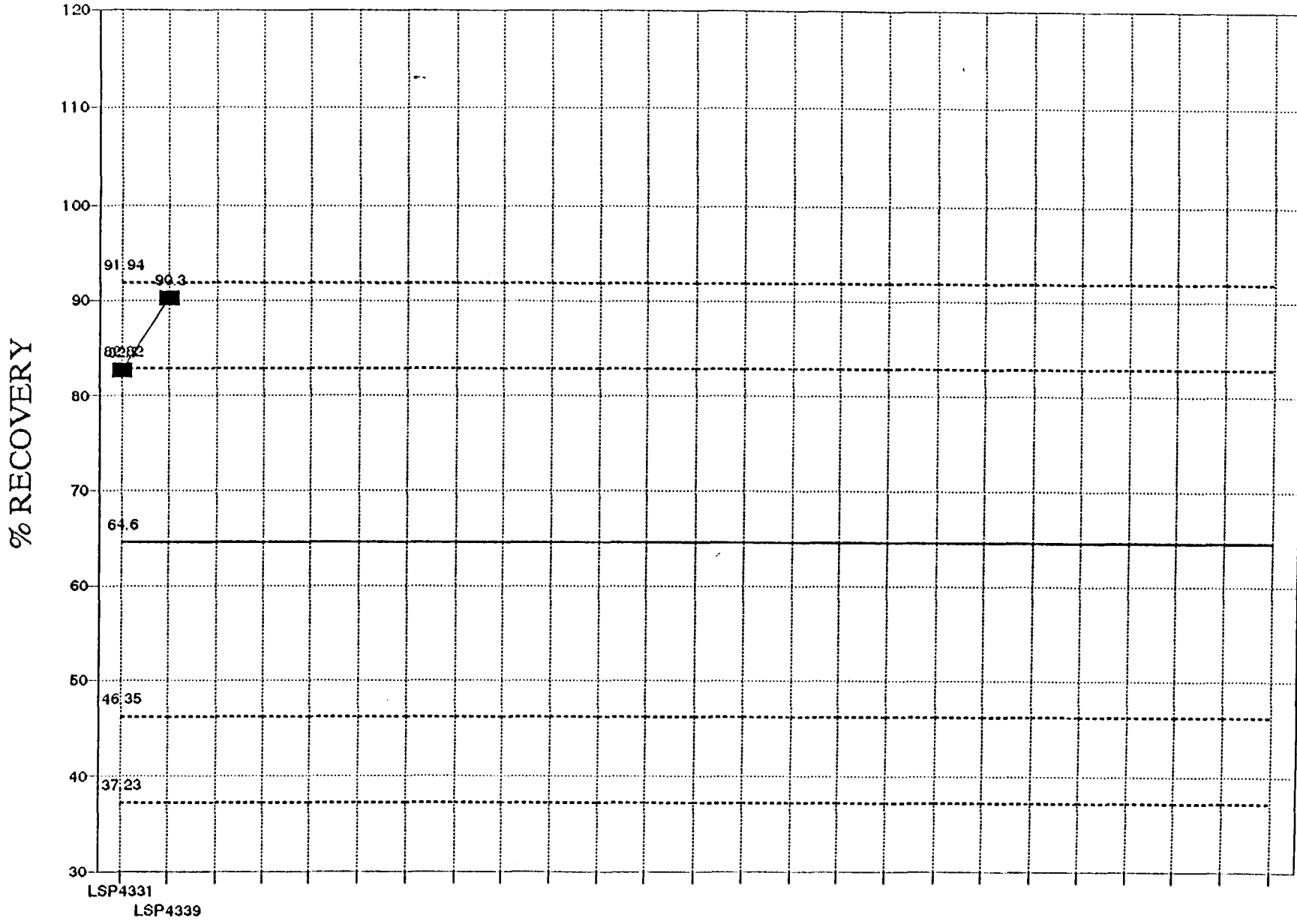
COMM. P/P-MED. SOLIDS - HEPTACHLOR
SPK REC LIMITS SET6/95-PPCBCH\PPMSH695



MEAN = 68.58 STD DEV = 6.96

00000040

COMM. P/P-MED. SOLIDS - ENDRIN
SPKREC LIMITS SET 6/95-PPCBCHT\PPMSE695



MEAN = 64.59 STD DEV = 9.12

0000041



OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

144132

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME Camp Lejeune D.O. 62		PROJECT LOCATION Camp Lejeune, Nc	
PROJ. NO. 16866	PROJECT CONTACT Randy Smith	PROJECT TELEPHONE NO. (910) 451-1809	
CLIENT'S REPRESENTATIVE		PROJECT MANAGER/SUPERVISOR Jim Dow / Randy Smith	

NUMBER OF CONTAINERS

ANALYSIS DESIRED
(INDICATE SEPARATE CONTAINERS)

8080 MTH

PAGE JOB #
44479

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED	REMARKS
1	CL562-A35-01452	6/22	1125		X	Sidewall of Excavation Soil from ADC3	1 8oz	X -1	
2	CL562-A25-02502	6/22	1140		X	Sidewall of Excavation Soil from ADC2	1 8oz	X -2	
3	CL562-A25-02502B	6/22	1140		X	Duplicate of Sidewall Excavation Soil from ADC2	1 8oz	X -3	
4	CL562-A2-RB	6/22	1145		X	Rivets Water from ADC2	2 32oz	X -4	
5	CL562-A3-RB	6/22	1130		X	Rivets Water from ADC3	2 32oz	X -5	
6	CL562-FB	6/22	1150		X	Field Blank	2 32oz	X -6	
7									
8									
9									
10									

First Steps

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-6	<i>Robert R. Henry</i>	FED-EX	6/22	1700	48 hour T.A.T.
2			<i>Elizabeth C. Dejeu / ACS</i>	6/23	0945	
3						
4						

[Signature]
SAMPLE'S SIGNATURE

0000042



REPORT OF LABORATORY ANALYSIS

July 20, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJNG7
Laboratory: PACE New England - New Hampshire of Hampton, NH
Lab Numbers: 44544
Protocol: SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on June 30, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 6/30/95 (44544): Samples were received in one cooler. A temperature blank was not included with the shipment, therefore the cooler temperature could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Custody seals were not present on the cooler but were present on the bottles. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A3S-005.1BCD". Both liter bottles containing the rinsate blank "CLJ62-A3S-RB" were broken during sample shipment. The glass jar for "CLJ62-A3S-003.1BC" was received cracked. The sample appeared to be intact and was transferred to a new glass container. The glass jar containing sample "CLJ62-A3S-008.1SC" was also broken during shipment. Approximately one-half the soil sample remained in the jar. The remainder of the sample was found on the bottom of the cooler mixed with the rinsate water. Aaron Gran (OHM) was notified of these problems on 6/30/95. He subsequently requested that PACE proceed with the analysis of the compromised portion of "CLJ62-A3S-003.1BC".

Pesticide/PCB Analysis: The laboratory control sample results for Pesticide/PCBs are plotted on a control chart which has limits that were established using low level solid extract results. Some of the results for LSP4346, LSP4355 and LSP4356 are outside the control limits possibly due to the difference of the extraction. When enough data points are collected for the medium level solid extraction, a new control chart will be created with different acceptance limits. Samples 44544-5 and 6 were re-extracted at the clients request. Each extraction contains two reports. The PCB report is for the undiluted extract while pesticide report is for the diluted extract. The sample designated "BP4347" and laboratory number 44544-7 for method 8080 analysis had low recovery for the surrogate DCB. Since the method requires only one surrogate be within control limits, sample data quality is unaffected. Laboratory number 44544-4 for method 8080 analysis had a non-calculable % recovery for DDD in the matrix spike and a high % recovery for DDD in the matrix spike duplicate. Laboratory number 44544-4 for method 8080 analysis had low % recovery for DDT, a non-calculable relative percent difference for DDD and a high relative percent difference for DDT in the matrix spike/spike duplicate. This was a probable matrix effect.



REPORT OF LABORATORY ANALYSIS

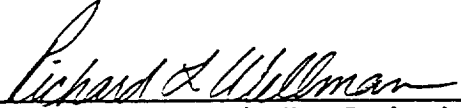
SDG Narrative
Case: OHMRC, SDG: LJN07

Pesticide Analysis: The method calibration for pesticides had a high % difference for the following analytes:

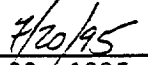
<u>Result File</u>	<u>Compound</u>
G1W18367.RES	endrin ketone-20.6%
G1W18390	endron ketone-18.5%
G1W18404	endrin aldehyde-15.9%
	endrin keytone-23.4%
	endosulfan II-15.6%
G1H18458	endrin aldehyde-15.8%
G11W18367.RES	endrin aldehyde-16.6%
G11W18404.RES	endrin aldehyde-18.6%
	endrin keytone-19.3%
G11H18504.RES	DDT-32.7%
G11H18511.RES	DDT-40.5%
	endrin ketone-17.0

Statement of Compliancy and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



July 20, 1995



SAMPLE RECEIPT CONDITION REPORT

Tel. (603) 926-7777
FAX (603) 926-7939

LAB# 44544

PAGE 1 of 1
COOLER of
COC# 144137
SDG# LTN 07
CASE# OthmRC

CLIENT Othm

DATE/TIME RECEIVED 6/30/95 1015

LIMS ENTRY BY Gmf

DELIVERED BY FedEx

TRANSCRIPTION REVIEW BY lpb

RECEIVED BY Gratchem Franchain

LIMS REVIEW BY/PM Gmf

Table with columns: NA, YES, EXCEPTION, COMMENT, RESOLUTION. Rows include: CUSTODY SEALS PRESENT/INTACT, CHAIN OF CUSTODY PRESENT IN THIS COOLER, CHAIN OF CUSTODY SIGNED, CHAIN OF CUSTODY MATCHES SAMPLES, SAMPLES RECEIVED AT 2° - 6° C, VOLATILES FREE OF HEAD SPACE, TRIP BLANK PRESENT IN THIS COOLER, PROPER SAMPLE CONTAINERS AND VOLUME, SAMPLES WITHIN HOLD TIME, SAMPLES PROPERLY PRESERVED.

ANALYSIS CAL PROGRAMS (circle one) COMMERCIAL CLP EPA-CLP NYASP NJ ISRA (NEESA) AFCEE Other

NUMBER OF PACE FILTRATIONS:

CORRECTIVE ACTIONS REPORT #

Log-in Notes:
Sample "CLJ62-A35-008.1SC" bottle broke during shipment. Jar approximately 1/2 full with sample. Remainder of soil littered bottom of cooler.
Both Liter containers of the rinsewater blank "CLJ62-A35-RB" were broken during shipment.
The jar for "CLJ62-A35-003.1BC" was cracked during shipment but not broken. The contents of the bottle were transferred by PACE into an intact (new) glass bottle. The sample did not appear to be compromised.
Per request of Aaron Gran, proceed with analysis of "CLJ62-A35-008.1SC". Gmf transferred contents of broken sample bottle into new jar. 6/30/95 (E11)

AMS/MSD

SAMPLE TABLE

CLIENT ID.	MATRIX	PACE #	PARAMETERS
CLJ62-A3S-005.1SC	SOLID	44544-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-010.1SC	SOLID	44544-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-005.1BC	SOLID	44544-003	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-005.1BCD *SQC*	SOLID	44544-004	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-003.1BC	SOLID	44544-005	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-008.1SC	SOLID	44544-006	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-FB	WATER	44544-007	PCBS ORGANOCHLORINE PESTICIDES

Laboratory number: 44544-001
 Sample Designation: CLJ62-A3S-005.1SC
 Date Extracted: 06/30/95
 Date Analyzed: 06/30/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 9 % , elevating the reporting limits
 by a factor of 1.1 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	10
alpha-BHC	BDL	10
beta-BHC	BDL	10
gamma-BHC (Lindane)	BDL	10
delta-BHC	BDL	10
alpha-Chlordane	16	10
gamma-Chlordane	16	10
4,4'-DDT	42	20
4,4'-DDE	22	10
4,4'-DDD	160	20
Dieldrin	BDL	10
Endosulfan I	BDL	10
Endosulfan II	BDL	20
Endosulfan sulfate	BDL	20
Endrin	BDL	10
Endrin aldehyde	BDL	20
Heptachlor	BDL	10
Heptachlor Epoxide	BDL	10
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	BDL	100
PCB-1016 (Arochlor 1016)	BDL	100
Toxaphene	BDL	400
Endrin Ketone	BDL	20
Methoxychlor	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit



Laboratory number: 44544-002
 Sample Designation: CLJ62-A3S-010.1SC
 Date Extracted: 06/30/95
 Date Analyzed: 07/05/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 11 % , elevating the reporting limits
 by a factor of 1.12 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	20
alpha-BHC	BDL	20
beta-BHC	BDL	20
gamma-BHC (Lindane)	BDL	20
delta-BHC	BDL	20
alpha-Chlordane	170	20
gamma-Chlordane	170	20
4,4'-DDT	68	40
4,4'-DDE	94	20
4,4'-DDD	170	40
Dieldrin	BDL	20
Endosulfan I	BDL	20
Endosulfan II	BDL	40
Endosulfan sulfate	BDL	40
Endrin	BDL	20
Endrin aldehyde	BDL	40
Heptachlor	BDL	20
Heptachlor Epoxide	BDL	20
PCB-1242 (Arochlor 1242)	BDL	200
PCB-1254 (Arochlor 1254)	BDL	200
PCB-1221 (Arochlor 1221)	BDL	200
PCB-1232 (Arochlor 1232)	BDL	200
PCB-1248 (Arochlor 1248)	BDL	200
PCB-1260 (Arochlor 1260)	BDL	200
PCB-1016 (Arochlor 1016)	BDL	200
Toxaphene	BDL	900
Endrin Ketone	BDL	40
Methoxychlor	BDL	200

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44544-003
 Sample Designation: CLJ62-A3S-005.1BC
 Date Extracted: 06/30/95
 Date Analyzed: 07/05/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 11 % , elevating the reporting limits
 by a factor of 1.13 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	100
alpha-BHC	BDL	100
beta-BHC	BDL	100
gamma-BHC (Lindane)	BDL	100
delta-BHC	BDL	100
alpha-Chlordane	BDL	100
gamma-Chlordane	BDL	100
4,4'-DDT	170 J	200
4,4'-DDE	140	100
4,4'-DDD	1500	200
Dieldrin	BDL	100
Endosulfan I	BDL	100
Endosulfan II	BDL	200
Endosulfan sulfate	BDL	200
Endrin	BDL	100
Endrin aldehyde	BDL	200
Heptachlor	BDL	100
Heptachlor Epoxide	BDL	100
PCB-1242 (Arochlor 1242)	BDL	1000
PCB-1254 (Arochlor 1254)	BDL	1000
PCB-1221 (Arochlor 1221)	BDL	1000
PCB-1232 (Arochlor 1232)	BDL	1000
PCB-1248 (Arochlor 1248)	BDL	1000
PCB-1260 (Arochlor 1260)	BDL	1000
PCB-1016 (Arochlor 1016)	BDL	1000
Toxaphene	BDL	4000
Endrin Ketone	BDL	200
Methoxychlor	BDL	1000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44544-004
 Sample Designation: CLJ62-A3S-005.1BCD
 Date Extracted: 06/30/95
 Date Analyzed: 07/05/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 10 % , elevating the reporting limits
 by a factor of 1.11 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)		REPORTING LIMIT (ug/Kg)
Aldrin	BDL		60
alpha-BHC	BDL		60
beta-BHC	BDL		60
gamma-BHC (Lindane)	BDL		60
delta-BHC	BDL		60
alpha-Chlordane	37	J	60
gamma-Chlordane	34	J	60
4,4'-DDT	150		100
4,4'-DDE	92		60
4,4'-DDD	890		100
Dieldrin	BDL		60
Endosulfan I	BDL		60
Endosulfan II	BDL		100
Endosulfan sulfate	BDL		100
Endrin	BDL		60
Endrin aldehyde	BDL		100
Heptachlor	BDL		60
Heptachlor Epoxide	BDL		60
PCB-1242 (Arochlor 1242)	BDL		600
PCB-1254 (Arochlor 1254)	BDL		600
PCB-1221 (Arochlor 1221)	BDL		600
PCB-1232 (Arochlor 1232)	BDL		600
PCB-1248 (Arochlor 1248)	BDL		600
PCB-1260 (Arochlor 1260)	BDL		600
PCB-1016 (Arochlor 1016)	BDL		600
Toxaphene	BDL		2000
Endrin Ketone	BDL		100
Methoxychlor	BDL		600

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44544-004RE
 Sample Designation: CLJ62-A3S-005.1BCD
 Date Extracted: 07/06/95
 Date Analyzed: 07/06/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 10 % , elevating the reporting limits
 by a factor of 1.11 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	60
alpha-BHC	BDL	60
beta-BHC	BDL	60
gamma-BHC (Lindane)	BDL	60
delta-BHC	BDL	60
alpha-Chlordane	54 J	60
gamma-Chlordane	55 J	60
4,4'-DDT	190	100
4,4'-DDE	91	60
4,4'-DDD	860	100
Dieldrin	BDL	60
Endosulfan I	BDL	60
Endosulfan II	BDL	100
Endosulfan sulfate	BDL	100
Endrin	BDL	60
Endrin aldehyde	BDL	100
Heptachlor	BDL	60
Heptachlor Epoxide	BDL	60
PCB-1242 (Arochlor 1242)	BDL	600
PCB-1254 (Arochlor 1254)	BDL	600
PCB-1221 (Arochlor 1221)	BDL	600
PCB-1232 (Arochlor 1232)	BDL	600
PCB-1248 (Arochlor 1248)	BDL	600
PCB-1260 (Arochlor 1260)	BDL	600
PCB-1016 (Arochlor 1016)	BDL	600
Toxaphene	BDL	2000
Endrin Ketone	BDL	100
Methoxychlor	BDL	600

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44544-005
Sample Designation: CLJ62-A3S-003.1BC
Date Extracted: 06/30/95
Date Analyzed: 06/30/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 14 % , elevating the reporting limits
by a factor of 1.16 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	400	100
PCB-1016 (Arochlor 1016)	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit



Laboratory number: 44544-005DL
Sample Designation: CLJ62-A3S-003.1BC
Date Extracted: 06/30/95
Date Analyzed: 07/05/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 14 % , elevating the reporting limits
by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	200
alpha-BHC	BDL	200
beta-BHC	BDL	200
gamma-BHC (Lindane)	BDL	200
delta-BHC	BDL	200
alpha-Chlordane	1600	200
gamma-Chlordane	1600	200
4,4'-DDT	380 J	400
4,4'-DDE	380	200
4,4'-DDD	570	400
Dieldrin	BDL	200
Endosulfan I	BDL	200
Endosulfan II	BDL	400
Endosulfan sulfate	BDL	400
Endrin	BDL	200
Endrin aldehyde	BDL	400
Heptachlor	BDL	200
Heptachlor Epoxide	BDL	200
Toxaphene	BDL	9000
Endrin Ketone	BDL	400
Methoxychlor	BDL	2000

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit
J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
concentration into the calibration range. Detection limits
were elevated accordingly.

pace
INCORPORATED
THE ASSURANCE OF QUALITY

0000011

Laboratory number: 44544-005RDL
 Sample Designation: CLJ62-A3S-003.1BC
 Date Extracted: 07/07/95
 Date Analyzed: 07/10/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	200
alpha-BHC	BDL	200
beta-BHC	BDL	200
gamma-BHC (Lindane)	BDL	200
delta-BHC	BDL	200
alpha-Chlordane	1400	200
gamma-Chlordane	1400	200
4,4'-DDT	260 J	400
4,4'-DDE	410	200
4,4'-DDD	390 J	400
Dieldrin	BDL	200
Endosulfan I	BDL	200
Endosulfan II	BDL	400
Endosulfan sulfate	BDL	400
Endrin	BDL	200
Endrin aldehyde	BDL	400
Heptachlor	BDL	200
Heptachlor Epoxide	BDL	200
PCB-1242 (Arochlor 1242)	BDL	2000
PCB-1254 (Arochlor 1254)	BDL	2000
PCB-1221 (Arochlor 1221)	BDL	2000
PCB-1232 (Arochlor 1232)	BDL	2000
PCB-1248 (Arochlor 1248)	BDL	2000
PCB-1260 (Arochlor 1260)	BDL	2000
PCB-1016 (Arochlor 1016)	BDL	2000
Toxaphene	BDL	8000
Endrin Ketone	BDL	400
Methoxychlor	BDL	2000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range. Detection limits
 were elevated accordingly.



Laboratory number: 44544-005RE
Sample Designation: CLJ62-A3S-003.1BC
Date Extracted: 07/07/95
Date Analyzed: 07/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 14 % , elevating the reporting limits
by a factor of 1.16 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	170	100
PCB-1016 (Arochlor 1016)	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit



0000013

Laboratory number: 44544-006
Sample Designation: CLJ62-A3S-008.1SC
Date Extracted: 06/30/95
Date Analyzed: 06/30/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 19 % , elevating the reporting limits
by a factor of 1.24 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	2300	100
PCB-1016 (Arochlor 1016)	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit



0000014

Laboratory number: 44544-006DL
 Sample Designation: CLJ62-A3S-008.1SC
 Date Extracted: 06/30/95
 Date Analyzed: 07/05/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 19 % , elevating the reporting limits
 by a factor of 1.24 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	600
alpha-BHC	BDL	600
beta-BHC	BDL	600
gamma-BHC (Lindane)	BDL	600
delta-BHC	BDL	600
alpha-Chlordane	2100	600
gamma-Chlordane	2600	600
4,4'-DDT	1300	1000
4,4'-DDE	1400	600
4,4'-DDD	750 J	1000
Dieldrin	BDL	600
Endosulfan I	BDL	600
Endosulfan II	BDL	1000
Endosulfan sulfate	BDL	1000
Endrin	BDL	600
Endrin aldehyde	BDL	1000
Heptachlor	BDL	600
Heptachlor Epoxide	BDL	600
Toxaphene	BDL	20000
Endrin Ketone	BDL	1000
Methoxychlor	BDL	6000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range. Detection limits
 were elevated accordingly.



Laboratory number: 44544-006RDL
 Sample Designation: CLJ62-A3S-008.1SC
 Date Extracted: 07/07/95
 Date Analyzed: 07/10/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 19 % , elevating the reporting limits
 by a factor of 1.24 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	600
alpha-BHC	BDL	600
beta-BHC	BDL	600
gamma-BHC (Lindane)	BDL	600
delta-BHC	BDL	600
alpha-Chlordane	1400	600
gamma-Chlordane	1700	600
4,4'-DDT	1400	1000
4,4'-DDE	1000	600
4,4'-DDD	670	J 1000
Dieldrin	BDL	600
Endosulfan I	BDL	600
Endosulfan II	BDL	1000
Endosulfan sulfate	BDL	1000
Endrin	BDL	600
Endrin aldehyde	BDL	1000
Heptachlor	BDL	600
Heptachlor Epoxide	BDL	600
PCB-1242 (Arochlor 1242)	BDL	6000
PCB-1254 (Arochlor 1254)	BDL	6000
PCB-1221 (Arochlor 1221)	BDL	6000
PCB-1232 (Arochlor 1232)	BDL	6000
PCB-1248 (Arochlor 1248)	BDL	6000
PCB-1260 (Arochlor 1260)	BDL	6000
PCB-1016 (Arochlor 1016)	BDL	6000
Toxaphene	BDL	20000
Endrin Ketone	BDL	1000
Methoxychlor	BDL	6000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit

J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range. Detection limits were
 elevated accordingly.



Laboratory number: 44544-006RE
Sample Designation: CLJ62-A3S-008.1SC
Date Extracted: 07/07/95
Date Analyzed: 07/10/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
Moisture content was 19 % , elevating the reporting limits
by a factor of 1.24 .

PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
PCB-1242 (Arochlor 1242)	BDL	100
PCB-1254 (Arochlor 1254)	BDL	100
PCB-1221 (Arochlor 1221)	BDL	100
PCB-1232 (Arochlor 1232)	BDL	100
PCB-1248 (Arochlor 1248)	BDL	100
PCB-1260 (Arochlor 1260)	1600	100
PCB-1016 (Arochlor 1016)	BDL	100

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHODS 3550 AND 8080

BDL = Below reporting limit



Laboratory number: 44544-007
Sample Designation: CLJ62-A3S-FB
Date Extracted: 06/30/95
Date Analyzed: 07/05/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
METHOD 608

BDL = Below reporting limit



0000018

Laboratory number: B-P4346
Sample Designation: LABORATORY BLANK
Date Analyzed: 06/30/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	10
ALPHA-BHC	BDL	10
BETA-BHC	BDL	10
GAMMA-BHC	BDL	10
DELTA-BHC	BDL	10
ALPHA-CHLORDANE	BDL	10
GAMMA-CHLORDANE	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
DIELDRIN	BDL	10
ENDOSULFAN I	BDL	10
ENDOSULFAN II	BDL	20
ENDOSULFAN SULFATE	BDL	20
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	20
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	100
PCB-1254	BDL	100
PCB-1221	BDL	100
PCB-1232	BDL	100
PCB-1248	BDL	100
PCB-1260	BDL	100
PCB-1016	BDL	100
TOXAPHENE	BDL	400
ENDRIN KETONE	BDL	20
METHOXYCHLOR	BDL	100

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit



0000021

Laboratory number: B-P4355
Sample Designation: LABORATORY BLANK
Date Analyzed: 07/13/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	10
ALPHA-BHC	BDL	10
BETA-BHC	BDL	10
GAMMA-BHC	BDL	10
DELTA-BHC	BDL	10
ALPHA-CHLORDANE	BDL	10
GAMMA-CHLORDANE	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
DIELDRIN	BDL	10
ENDOSULFAN I	BDL	10
ENDOSULFAN II	BDL	20
ENDOSULFAN SULFATE	BDL	20
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	20
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	100
PCB-1254	BDL	100
PCB-1221	BDL	100
PCB-1232	BDL	100
PCB-1248	BDL	100
PCB-1260	BDL	100
PCB-1016	BDL	100
TOXAPHENE	BDL	400
ENDRIN KETONE	BDL	20
METHOXYCHLOR	BDL	100

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit



0000022

Laboratory number: B-P4356
Sample Designation: LABORATORY BLANK
Date Analyzed: 07/08/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	10
ALPHA-BHC	BDL	10
BETA-BHC	BDL	10
GAMMA-BHC	BDL	10
DELTA-BHC	BDL	10
ALPHA-CHLORDANE	BDL	10
GAMMA-CHLORDANE	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
DIELDRIN	BDL	10
ENDOSULFAN I	BDL	10
ENDOSULFAN II	BDL	20
ENDOSULFAN SULFATE	BDL	20
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	20
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	100
PCB-1254	BDL	100
PCB-1221	BDL	100
PCB-1232	BDL	100
PCB-1248	BDL	100
PCB-1260	BDL	100
PCB-1016	BDL	100
TOXAPHENE	BDL	400
ENDRIN KETONE	BDL	20
METHOXYCHLOR	BDL	100

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit



0000023

Laboratory number: B-P4347
Sample Designation: LABORATORY BLANK
Date Analyzed: 07/06/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	0.5
PCB-1254	BDL	0.5
PCB-1221	BDL	0.5
PCB-1232	BDL	0.5
PCB-1248	BDL	0.5
PCB-1260	BDL	0.5
PCB-1016	BDL	0.5
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit



0000024

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44544-4 MS
 Sample Designation: CLJ62-A3S-005.1BCD MS
 Date Analyzed: 07/13/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	108.220	52.948	49
GAMMA-BHC	0	108.220	56.625	52
BETA-BHC	0	108.220	56.105	52
HEPTACHLOR	0	108.220	51.621	48
DELTA-BHC	0	108.220	62.397	58
ALDRIN	0	108.220	58.248	54
HEPTACHLOR EPOXIDE	0	108.220	56.484	52
4,4'-DDE	91	108.220	144.002	49
DIELDRIN	0	108.220	57.521	53
ENDRIN	0	108.220	58.862	54
4,4'-DDD	860	108.220	769.924	NC
ENDOSULFAN II	0	108.220	57.137	53
4,4'-DDT	190	108.220	192.972	2.7
ENDRIN ALDEHYDE	0	108.220	50.765	47
ENDOSULFAN SULFATE	0	108.220	52.615	49
METHOXYCHLOR	0	1082.200	468.852	43
ENDOSULFAN I	0	108.220	41.755	39

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080



PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44544-4 MSD
 Sample Designation: CLJ62-A3S-005.1BCD MSD
 Date Analyzed: 07/13/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2 ug/Kg FOUND	%REC- OVERY	REL. DIFF. %
ALPHA-BHC	0	110.380	55.018	50	2
GAMMA-BHC	0	110.380	55.463	50	4
BETA-BHC	0	110.380	56.752	51	1
HEPTACHLOR	0	110.380	53.220	48	1
DELTA-BHC	0	110.380	60.991	55	5
ALDRIN	0	110.380	56.833	51	4
HEPTACHLOR EPOXIDE	0	110.380	57.397	52	0
4,4'-DDE	91	110.380	158.589	61	22
DIELDRIN	0	110.380	60.119	54	2
ENDRIN	0	110.380	63.789	58	7
4,4'-DDD	860	110.380	1027.73	152	NC
ENDOSULFAN II	0	110.380	61.172	55	4
4,4'-DDT	190	110.380	199.257	8.4	103
ENDRIN ALDEHYDE	0	110.380	49.649	45	4
ENDOSULFAN SULFATE	0	110.380	52.907	48	1
METHOXYCHLOR	0	1103.800	498.112	45	4
ENDOSULFAN I	0	110.380	45.143	41	5

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080



PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4346
Sample Designation: LABORATORY CONTROL SAMPLE
Date Analyzed: 06/30/95
Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	100.000	46.126	46
GAMMA-BHC	0	100.000	48.543	48
BETA-BHC	0	100.000	51.045	51
HEPTACHLOR	0	100.000	45.986	46
DELTA-BHC	0	100.000	50.945	51
ALDRIN	0	100.000	46.500	46
HEPTACHLOR EPOXIDE	0	100.000	51.505	51
4,4'-DDE	0	100.000	51.069	51
DIELDRIN	0	100.000	49.726	50
ENDRIN	0	100.000	48.424	48
4,4'-DDD	0	100.000	52.074	52
ENDOSULFAN II	0	100.000	45.366	45
4,4'-DDT	0	100.000	54.826	55
ENDRIN ALDEHYDE	0	100.000	48.373	48
ENDOSULFAN SULFATE	0	100.000	55.756	56
METHOXYCHLOR	0	1000.000	484.745	48
ENDOSULFAN I	0	100.000	38.814	39

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHOD 8080



0000027

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4355
Sample Designation: LABORATORY CONTROL SAMPLE
Date Analyzed: 07/13/95
Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	100.000	44.485	44
GAMMA-BHC	0	100.000	47.564	48
BETA-BHC	0	100.000	47.362	47
HEPTACHLOR	0	100.000	49.539	49
DELTA-BHC	0	100.000	62.552	63
ALDRIN	0	100.000	55.180	55
HEPTACHLOR EPOXIDE	0	100.000	47.864	48
4,4'-DDE	0	100.000	48.807	49
DIELDRIN	0	100.000	46.606	47
VDRIN	0	100.000	49.419	49
4,4'-DDD	0	100.000	44.924	45
ENDOSULFAN II	0	100.000	41.255	41
4,4'-DDT	0	100.000	46.451	46
ENDRIN ALDEHYDE	0	100.000	47.695	48
ENDOSULFAN SULFATE	0	100.000	47.185	47
METHOXYCHLOR	0	1000.000	437.676	44
ENDOSULFAN I	0	100.000	36.323	36

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHOD 8080

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0000028

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4356
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 07/10/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	100.000	48.785	49
GAMMA-BHC	0	100.000	49.472	49
BETA-BHC	0	100.000	51.358	51
HEPTACHLOR	0	100.000	46.600	47
DELTA-BHC	0	100.000	50.555	51
ALDRIN	0	100.000	49.302	49
HEPTACHLOR EPOXIDE	0	100.000	52.432	52
4,4'-DDE	0	100.000	53.439	53
DIELDRIN	0	100.000	52.584	53
ENDRIN	0	100.000	52.039	52
4,4'-DDD	0	100.000	51.348	51
ENDOSULFAN II	0	100.000	45.383	45
4,4'-DDT	0	100.000	51.641	52
ENDRIN ALDEHYDE	0	100.000	46.057	46
ENDOSULFAN SULFATE	0	100.000	54.550	55
METHOXYCHLOR	0	1000.000	481.408	48
ENDOSULFAN I	0	100.000	39.727	40

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080



PESTICIDES/PCB'S

MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4347
 Sample Designation: LABORATORY CONTROL SAMPLES
 Date Analyzed: 07/13/95
 Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.19	80
GAMMA-BHC	0	0.250	0.21	83
BETA-BHC	0	0.250	0.22	87
HEPTACHLOR	0	0.250	0.19	74
DELTA-BHC	0	0.250	0.23	92
ALDRIN	0	0.250	0.18	71
HEPTACHLOR EPOXIDE	0	0.250	0.22	86
4,4'-DDE	0	0.250	0.19	75
DIELDRIN	0	0.250	0.21	84
ENDRIN	0	0.250	0.22	86
4,4'-DDD	0	0.250	0.19	74
ENDOSULFAN II	0	0.250	0.20	78
4,4'-DDT	0	0.250	0.19	76
ENDRIN ALDEHYDE	0	0.250	0.21	84
ENDOSULFAN SULFATE	0	0.250	0.23	90
METHOXYCHLOR	0	2.500	2.03	81
ENDOSULFAN I	0	0.250	0.17	68

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608



REVIEWED BY

PM 7-13-95

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: QASS42

METHOD: SONC/3550

MATRIX: SOLID

med-5

TEST / LEVEL: PEST/PCB 1 med 5

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	NA2SO4 (g)	INTER VOL (ml)	ALIQOT VOL (ml)	FINAL VOL (ml)
-	PM	BP4356	5.0	1353	LP4356	1/A	10.0	10.0	1.0	1.8
-	7-7-95	LP4356	5.0	0.5 2.0 PPM	44544-400	1356 250ml				
7		44544-5RE	5.49		MSD	1.0-10.0 18PPM				
8		-6RE	5.36							
<p><u>(3)</u> PM 7-7-95</p>										

COMMENTS: (710) REX at the clients request - PM 7-7-95 -

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: _____

METHOD: SONC/3550

MATRIX: SOLID

TEST / LEVEL: PEST/PCB MED

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	NA2SO4 (g)	INTER VOL (ml)	ALIQUOT VOL (ml)	FINAL VOL (ml)
		BP4355	5.0	E1359	LSP4355	N/A	10.0	10.0	1.0	1.0
	7/6/95	LSP4355	5.0	0.5 ml	44544.4 MS/MSD	E1356 250.41	↓	↓	↓	↓
	↓	44544.4 RE	5.05	20 ppm	↓	N/A	↓	↓	↓	↓
<p>RM 7/6/95</p>										

See
7/6
RA

COMMENTS: _____

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA 8260

LOG BOOK NO: 2

SOP #: _____

METHOD: SONC/3550

MATRIX: SOLID

TEST / LEVEL: PEST/PCB / MED

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	HA2SO4 (g)	INTER VOL (ml)	ALIQUOT VOL (ml)	FINAL VOL (ml)
-	RAZ	B74346	5.0	E1359	LS4346	N/A	10.0	10.0	1.0	1.0
-	6/30/95	LS4346	5.0	0.5ml	44544.4ms/MSD	E1356 250ul				
1		44544-1	5.09	2.0ppm		N/A				
2		-2	5.11							
3		-3	5.03							
4		-4	5.01							
-		-4ms	5.14			E1356 250ul				
-		-4MSD	5.04			1410ppm				
5		-5	5.31			N/A				
6		-6	5.11							
<p>RAZ 6/30/95</p>										

sent
6/1/
RA

COMMENTS: _____

E, Incorporated

+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

r /DATA/GC01/METHOD/PCB1242036.MTH
Method created: 03/10/95 10:25:28
Method updated: 06/28/95 12:15:42

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17416.RES
Level 2 /DATA/GC01/RESULT/G1H17417.RES
Level 3 /DATA/GC01/RESULT/G1H17418.RES
Level 4 /DATA/GC01/RESULT/G1H17419.RES
Level 5 /DATA/GC01/RESULT/G1H17420.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.23	TCX	.99988	-1705.94	1227018.20	-365881.81
8.04	AR1242	.99976	181.95	18866.39	-1240.86
9.43	AR1242	.99979	326.70	31184.71	-2794.67
10.75	AR1242	.99985	248.08	51894.62	-3139.43
12.25	AR1242	.99948	229.06	22620.80	-1435.10
12.87	AR1242	.99966	180.96	22513.70	-1499.83
29.99	DCB	.99978	697.09	509573.94	-218694.28

$$R = B0 + B1X + B2X^2$$

CE, Incorporated

+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

or /DATA/GC11/METHOD/PCB1242036.MTH
ethod created: 03/10/95 10:23:20
ethod updated: 06/28/95 12:27:07

result files used for Calibration data:
evel 1 /DATA/GC11/RESULT/G11H17416.RES
evel 2 /DATA/GC11/RESULT/G11H17417.RES
evel 3 /DATA/GC11/RESULT/G11H17418.RES
evel 4 /DATA/GC11/RESULT/G11H17419.RES
evel 5 /DATA/GC11/RESULT/G11H17420.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	5.67	TCX	.99957	-198.63	1416199.80	-591225.50
2	7.20	AR1242	.99994	34.12	21523.01	-1290.03
3	8.38	AR1242	.99906	647.52	37056.77	-3213.84
4	9.76	AR1242	.99987	48.48	60963.25	-2998.52
5	22	AR1242	.99958	177.22	25643.82	-1815.08
6	11.68	AR1242	.99965	331.00	25132.09	-1578.35
7	25.53	DCB	.99967	1059.95	555548.13	-199349.41

$$R = B_0 + B_1 X + B_2 X^2$$

IE, Incorporated

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+
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DATA/GC01/METHOD/PCB1248053.MTH
Method created: 03/10/95 10:25:50
Method updated: 06/28/95 12:17:08

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17421.RES
Level 2 /DATA/GC01/RESULT/G1H17422.RES
Level 3 /DATA/GC01/RESULT/G1H17423.RES
Level 4 /DATA/GC01/RESULT/G1H17424.RES
Level 5 /DATA/GC01/RESULT/G1H17425.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.23	TCX	.99952	1382.34	1077675.80	2945.67
9.43	AR1248	.99998	91.09	15768.75	-1202.03
10.74	AR1248	.99999	87.13	33287.34	-1744.32
11.85	AR1248	.99977	486.32	25905.67	-2264.45
86	AR1248	.99991	248.69	32300.44	-1807.22
13.90	AR1248	.99989	361.09	41145.87	-1739.86
29.99	DCB	.99998	387.45	516890.50	-234703.63

$$R = B_0 + B_1X + B_2X^2$$

E, Incorporated

INITIAL CALIBRATION SUMMARY

/DATA/GC11/METHOD/PCB1248053.MTH
Method created: 03/10/95 10:23:52
Method updated: 06/28/95 12:28:20

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17421.RES
Level 2 /DATA/GC11/RESULT/G11H17422.RES
Level 3 /DATA/GC11/RESULT/G11H17423.RES
Level 4 /DATA/GC11/RESULT/G11H17424.RES
Level 5 /DATA/GC11/RESULT/G11H17425.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
5.67	TCX	.99985	575.00	1347602.00	-394534.00
8.37	AR1248	.99984	-43.59	21347.19	-2612.90
9.76	AR1248	.99994	139.66	36793.30	-309.51
10.84	AR1248	.99999	155.45	37023.62	-5180.29
67	AR1248	.99989	419.43	38983.41	-1888.17
12.98	AR1248	.99992	282.97	43666.27	-749.10
25.53	DCB	.99998	617.53	567851.87	-230603.84

$$R = B_0 + B_1X + B_2X^2$$

, Incorporated

+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

/DATA/GC01/METHOD/PCB1254060.MTH
nod created: 03/10/95 10:26:15
nod updated: 03/10/95 12:11:00

ult files used for Calibration data:
rel 1 /DATA/GC01/RESULT/G1H17426.RES
rel 2 /DATA/GC01/RESULT/G1H17427.RES
rel 3 /DATA/GC01/RESULT/G1H17428.RES
rel 4 /DATA/GC01/RESULT/G1H17429.RES
rel 5 /DATA/GC01/RESULT/G1H17430.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.22	TCX	.99981	-2119.91	1233768.50	-537386.50
14.62	AR1254	.99996	297.02	43535.86	-4780.59
16.32	AR1254	.99999	36.56	62125.27	-3852.58
16.86	AR1254	.99995	-9.80	48502.26	-4637.60
17.58	AR1254	.99998	81.57	27120.31	-2429.93
18.77	AR1254	.99997	405.57	46914.61	-2820.04
29.98	DCB	.99998	342.75	530850.12	-256257.78

$$R = B0 + B1X + B2X^2$$

, Incorporated

INITIAL CALIBRATION SUMMARY

/DATA/GC11/METHOD/PC81254060.MTH
hod created: 03/10/95 10:24:30
hod updated: 03/10/95 15:05:52

ult files used for Calibration data:
el 1 /DATA/GC11/RESULT/G11H17426.RES
el 2 /DATA/GC11/RESULT/G11H17427.RES
el 3 /DATA/GC11/RESULT/G11H17428.RES
el 4 /DATA/GC11/RESULT/G11H17429.RES
el 5 /DATA/GC11/RESULT/G11H17430.RES

Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
5.66	TCX	.99975	-2362.56	1455482.70	-577617.25
13.54	AR1254	.99997	295.55	48500.99	-4090.71
15.04	AR1254	.99992	164.94	66311.34	-2601.04
15.56	AR1254	.99997	10.66	32668.95	-2907.08
17.00	AR1254	.99996	89.93	45384.80	-1248.26
18.71	AR1254	.99979	-250.71	26039.36	263.78
25.53	DCB	.99999	543.92	585667.87	-272356.81

$$R = B_0 + B_1X + B_2X^2$$

CE, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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Method created: 03/10/95 10:26:39
Method updated: 03/10/95 12:28:00

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H17431.RES
Level 2 /DATA/GC01/RESULT/G1H17432.RES
Level 3 /DATA/GC01/RESULT/G1H17433.RES
Level 4 /DATA/GC01/RESULT/G1H17434.RES
Level 5 /DATA/GC01/RESULT/G1H17435.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.21	TCX	.99983	499.50	1121754.00	-131763.00
2	8.02	AR1016	.99981	89.98	24019.71	-1741.84
3	9.39	AR1016	.99991	456.82	40276.45	-3986.96
4	10.72	AR1016	.99996	172.56	69042.09	-4409.04
5	11.20	AR1016	.99996	1.42	31060.59	-1717.55
6	11.84	AR1016	.99999	108.32	26980.75	-1575.84
7	17.37	AR1260	.99990	612.66	53299.16	-4169.42
8	20.11	AR1260	.99993	-14.76	38433.24	-1694.84
9	20.72	AR1260	.99990	-116.13	81551.42	-2326.58
10	22.49	AR1260	.99988	-179.45	39269.30	-730.72
11	25.20	AR1260	.99991	-45.92	15729.97	184.17
12	29.95	OCB	.99997	747.68	507385.75	-175641.72

$R = B_0 + B_1X + B_2X^2$

E, Incorporated

INITIAL CALIBRATION SUMMARY

Method created: 03/10/95 10:25:01
Method updated: 03/10/95 15:19:33

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H17431.RES
Level 2 /DATA/GC11/RESULT/G11H17432.RES
Level 3 /DATA/GC11/RESULT/G11H17433.RES
Level 4 /DATA/GC11/RESULT/G11H17434.RES
Level 5 /DATA/GC11/RESULT/G11H17435.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
5.65	TCX	.99992	-2570.22	1341550.20	-141280.72
7.17	AR1016	.99950	401.90	24191.39	-1084.79
8.35	AR1016	.99989	274.63	50988.50	-3905.36
9.74	AR1016	1.0000	47.33	80138.92	-3284.30
11.19	AR1016	.99996	-5.09	34959.98	-1325.64
12.84	AR1016	.99984	128.88	27239.73	-1603.10
15.55	AR1260	.99992	245.80	51020.87	-3074.20
16.27	AR1260	.99995	491.38	59684.50	-4547.90
17.39	AR1260	.99995	-31.08	69878.08	-2707.91
19.51	AR1260	1.0000	178.83	79530.28	-2656.86
20.73	AR1260	.99993	-200.70	47003.97	-478.98
25.50	DCB	.99997	773.86	566708.63	-186657.03

$$R = B0 + B1X + B2X^2$$

ACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PEST134.MTH
Method created: 06/26/95 16:49:50
Method updated: 07/13/95 11:47:14

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1W18296.RES
Level 2 /DATA/GC01/RESULT/G1W18297.RES
Level 3 /DATA/GC01/RESULT/G1W18298.RES
Level 4 /DATA/GC01/RESULT/G1W18299.RES
Level 5 /DATA/GC01/RESULT/G1W18300.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.16	TCX	.99950	383.13	1257610.50	-247302.78
2	8.20	ALPHA-BHC	.99987	-432.05	887467.00	18729992.0
3	9.47	GAMMA-BHC	.99993	-221.04	886739.37	14293648.0
4	9.73	BETA-BHC	.99987	-17.21	670492.37	2138241.50
5	10.75	HEPTACHLOR	.99984	-238.93	1039074.10	6929940.00
6	10.93	DELTA-BHC	.99999	73.02	630529.75	15382408.0
7	11.85	ALDRIN	.99967	-149.15	759924.87	7661110.00
8	13.73	HEPTACHLOR EPOXIDE	.99998	-29.43	844973.75	4820279.00
9	14.38	GAMMA-CHLORDANE	.99980	-78.37	838450.88	5379895.00
10	14.93	ALPHA-CHLORDANE/ENDOSULFA	.99990	-462.68	751306.25	1900841.00
11	15.74	4,4'-DDE	.99986	-434.59	715660.37	3867459.00
12	15.98	DIELDRIN	.99967	-512.38	733038.38	3586155.00
13	17.14	ENDRIN	.99991	-237.18	633590.87	3076409.50
14	17.63	4,4'-DDD	.99979	-501.49	486425.37	2701434.50
15	17.79	ENDOSULFAN II	.99972	-338.23	748833.87	2126359.00
16	18.68	4,4'-DDT	.99969	-593.33	570914.75	3210991.50
17	18.82	ENDRIN ALDEHYDE	.99997	-299.84	669952.87	849535.87
18	19.36	ENDOSULFAN SULFATE	.99999	-148.11	627932.50	1905174.50
19	21.59	METHOXYCHLOR	.99999	-297.02	415915.75	-22399.77
20	21.92	ENDRIN KETONE	.99979	-573.65	590793.12	2061235.00
21	29.76	DCB	.99993	396.50	523372.69	-189241.09

$$R = B0 + B1X + B2X^2$$

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+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

or /DATA/GC11/METHOD/PEST134.MTH
ethod created: 06/26/95 16:50:21
ethod updated: 07/14/95 16:06:39

result files used for Calibration data:
evel 1 /DATA/GC11/RESULT/G11W18296.RES
evel 2 /DATA/GC11/RESULT/G11W18297.RES
evel 3 /DATA/GC11/RESULT/G11W18298.RES
evel 4 /DATA/GC11/RESULT/G11W18299.RES
evel 5 /DATA/GC11/RESULT/G11W18300.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.60	TCX	.99905	-452.00	1407613.70	-177239.16
2	8.15	ALPHA-BHC	.99925	-888.70	1016255.10	15594548.0
3	9.40	GAMMA-BHC	.99916	-872.25	1101066.20	7096197.00
4	10.03	HEPTACHLOR	.99915	-192.18	1106709.00	5211573.00
5	10.87	ALDRIN	.99988	18.26	778469.50	8925414.00
6	11.73	BETA-BHC	.99915	-111.38	645359.00	2020134.70
7	12.49	DELTA-BHC	.99995	-139.66	599631.62	12961590.0
8	13.11	HEPTACHLOR EPOXIDE	.99991	57.95	856964.88	5386155.00
9	13.98	ENDOSULFAN I	.99998	-106.71	798711.25	5703813.00
0	14.13	GAMMA-CHLORDANE	.99966	-142.42	909710.63	4000785.50
1	14.38	ALPHA-CHLORDANE	.99993	22.54	893888.38	4931748.00
2	14.63	4,4'-DDE	.99898	-1016.51	762435.75	3508150.50
3	15.17	DIELDRIN	.99920	-1048.89	861314.37	2553319.50
4	15.85	ENDRIN	.99982	-600.34	716143.12	2610309.00
5	17.18	4,4'-DDD	.99990	-454.85	547411.25	2344705.50
6	17.40	ENDOSULFAN II	.99993	-395.63	780527.50	1344285.70
7	17.71	4,4'-DDT	.99966	-491.76	567284.50	2487043.00
8	18.73	ENDRIN ALDEHYDE	.99986	-240.72	410603.69	299137.19
9	19.77	METHOXYCHLOR/ENDO SULFATE	.99994	675.19	452760.75	3720.23
0	21.09	ENDRIN KETONE	.99969	-567.65	641430.62	1255396.00
1	25.40	DCB	.99989	679.89	564942.12	-223640.09

R = B0 + B1X + B2X²

DATA/GC01/RESULT/G1W18367.RES
/DATA/GC01/METHOD/PEST134.MTH

Sample: IND2AB P8688
Injected: Fri Jun 30, 1995 2:59:44 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.103	.100	2.7	102.7
8.22	ALPHA-BHC	.018	.020	9.7	90.3
9.47	GAMMA-BHC	.020	.020	.4	99.6
9.74	BETA-BHC	.020	.020	1.0	99.0
10.76	HEPTACHLOR	.019	.020	6.1	93.9
10.94	DELTA-BHC	.021	.020	3.9	103.9
11.86	ALDRIN	.020	.020	1.7	101.7
13.74	HEPTACHLOR EPOXIDE	.021	.020	5.1	105.1
14.39	GAMMA-CHLORDANE	.021	.020	5.5	105.5
14.94	ALPHA-CHLORDANE/ENDOSULFAN I	.042	.040	6.0	106.0
15.75	4,4'-DDE	.041	.040	1.8	101.8
15.99	DIELDRIN	.042	.040	4.8	104.8
17.15	ENDRIN	.036	.040	8.9	91.1
17.63	4,4'-DDD	.045	.040	13.2	113.2
17.79	ENDOSULFAN II	.044	.040	9.0	109.0
18.69	4,4'-DDT	.042	.040	4.2	104.2
18.83	ENDRIN ALDEHYDE	.045	.040	13.5	113.5
19.37	ENDOSULFAN SULFATE	.045	.040	13.2	113.2
21.60	METHOXYCHLOR	.203	.200	1.5	101.5
21.93	ENDRIN KETONE	.048	.040	20.6	120.6
29.76	DCB	.107	.100	7.2	107.2

PACE, Incorporated
Continuing Calibration Report

Wed Jul 5, 1995 1:13:35 pm

DATA/GC11/RESULT/G11W18367.RES
/DATA/GC11/METHOD/PEST134.MTH

Sample: IND2AB P8688
Injected: Fri Jun 30, 1995 2:59:44 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.097	.100	3.1	96.9
8.16	ALPHA-BHC	.018	.020	10.4	89.6
9.40	GAMMA-BHC	.021	.020	3.1	103.1
10.03	HEPTACHLOR	.019	.020	6.8	93.2
10.87	ALDRIN	.021	.020	4.3	104.3
11.73	BETA-BHC	.021	.020	4.2	104.2
12.49	DELTA-BHC	.019	.020	3.8	96.2
13.11	HEPTACHLOR EPOXIDE	.020	.020	2.5	102.5
13.98	ENDOSULFAM I	.019	.020	2.7	97.3
14.13	GAMMA-CHLORDANE	.021	.020	4.6	104.6
14.58	ALPHA-CHLORDANE	.021	.020	2.7	102.7
14.63	4,4'-DDE	.041	.040	2.4	102.4
15.16	DIELDRIN	.042	.040	4.5	104.5
15.85	ENDRIN	.034	.040	15.2	84.8
17.17	4,4'-DDD	.042	.040	5.4	105.4
17.40	ENDOSULFAM II	.043	.040	7.2	107.2
17.72	4,4'-DDT	.039	.040	3.4	96.6
18.74	ENDRIN ALDEHYDE	.047	.040	16.6	116.6
19.78	METHOXYCHLOR/ENDO SULFATE	.229	.240	4.8	95.2
21.10	ENDRIN KETONE	.046	.040	14.9	114.9
25.38	DCB	.104	.100	4.1	104.1

DATA/GC01/RESULT/G1W18371.RES
/DATA/GC01/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Fri Jun 30, 1995 5:30:30 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.11	TCX	.114	.100	13.5	113.5
7.93	AR1016	.571	.500	14.1	114.1
9.30	AR1016	.578	.500	15.6	115.6
10.62	AR1016	.565	.500	12.9	112.9
11.11	AR1016	.568	.500	13.5	113.5
12.73	AR1016	.579	.500	15.9	115.9
17.27	AR1260	.587	.500	17.4	117.4
19.99	AR1260	.560	.500	12.0	112.0
20.60	AR1260	.569	.500	13.8	113.8
22.34	AR1260	.566	.500	13.3	113.3
25.01	AR1260	.557	.500	11.3	111.3
29.68	DCB	.114	.100	14.4	114.4

PACE, Incorporated
Continuing Calibration Report

Wed Jul 5, 1995 1:36:37 pm

DATA/GC11/RESULT/G11W18371.RES
/DATA/GC11/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM PB676
Injected: Fri Jun 30, 1995 5:30:30 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.56	TCX	.104	.100	4.5	104.5
7.07	AR1016	.572	.500	14.3	114.3
8.25	AR1016	.516	.500	3.1	103.1
9.63	AR1016	.542	.500	8.3	108.3
10.07	AR1016	.532	.500	6.4	106.4
10.72	AR1016	.559	.500	11.7	111.7
15.44	AR1260	.528	.500	5.7	105.7
16.16	AR1260	.530	.500	6.1	106.1
17.29	AR1260	.513	.500	2.5	102.5
19.40	AR1260	.534	.500	6.8	106.8
20.57	AR1260	.527	.500	5.4	105.4
25.31	DCB	.107	.100	7.0	107.0

/DATA/GC01/RESULT/G1W18390.RES
/DATA/GC01/METHOD/PE57134.MTH

Sample: IN02AB P8688
Injected: Wed Jul 5, 1995 8:06:48 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	LIX	.096	.100	3.8	96.2
8.23	ALPHA-BHC	.019	.020	3.2	96.8
9.49	GAMMA-BHC	.020	.020	1.5	98.5
9.76	BETA-BHC	.020	.020	2.3	97.7
10.77	HEPTACHLOR	.018	.020	8.1	91.9
10.96	DELTA-BHC	.021	.020	2.7	102.7
11.88	ALDRIN	.020	.020	1.9	98.1
13.75	HEPTACHLOR EPOXIDE	.020	.020	1.2	101.2
14.40	GAMMA-CHLORDANE	.021	.020	5.5	105.5
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.042	.040	4.5	104.5
15.76	4,4'-DDE	.042	.040	5.6	105.6
16.00	DIELDRIN	.042	.040	6.2	106.2
17.17	ENDRIN	.056	.040	10.5	89.7
17.65	4,4'-DDD	.044	.040	9.3	109.3
17.80	ENDOSULFAN II	.045	.040	13.1	113.1
18.70	4,4'-DDT	.041	.040	3.7	103.7
18.84	ENDRIN ALDEHYDE	.043	.040	7.8	107.8
19.39	ENDOSULFAN SULFATE	.044	.040	9.3	109.3
21.62	METHOXYCHLOR	.188	.200	6.2	93.8
21.95	ENDRIN KETONE	.047	.040	18.5	118.5 ✓
29.81	DCB	.105	.100	4.9	104.9

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Continuing Calibration Report

Wed Jul 5, 1995 4:12:15 pm

DATA/GC11/RESULT/G11W18390.RES
/DATA/GC11/METHOD/PEST134.MTH

Sample: INDZAB P8688
Injected: Wed Jul 5, 1995 8:06:48 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.62	TCX	.091	.100	8.8	91.2
8.16	ALPHA-BHC	.020	.020	2.3	97.7
9.41	GAMMA-BHC	.020	.020	.5	99.7
10.05	HEPTACHLOR	.019	.020	6.7	93.3
10.88	ALDRIN	.020	.020	1.2	101.2
11.74	BETA-BHC	.022	.020	10.7	110.7
12.49	DELTA-BHC	.020	.020	2.4	102.4
15.12	HEPTACHLOR EPOXIDE	.020	.020	.5	99.5
15.99	ENDOSULFAN I	.020	.020	1.3	101.3
14.14	GAMMA-CHLORDANE	.020	.020	1.8	101.8
14.39	ALPHA-CHLORDANE	.020	.020	1.1	101.1
14.63	4,4'-DDE	.041	.040	3.7	103.7
15.17	DIELDRIN	.041	.040	3.2	103.2
15.86	ENDRIN	.034	.040	14.5	85.5
17.18	4,4'-DDD	.040	.040	.6	99.4
17.42	ENDOSULFAN II	.042	.040	3.9	103.9
17.73	4,4'-DDT	.037	.040	6.6	93.4
18.74	ENDRIN ALDEHYDE	.044	.040	8.9	108.9
19.79	METHOXYCHLOR/ENDO SULFATE	.206	.240	14.3	85.7
21.19	ENDRIN KETONE	.046	.040	15.3	115.3
25.40	DCB	.102	.100	2.5	102.5

/DATA/GC01/RESULT/G1W18391.RES
/DATA/GC01/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8687
Injected: Wed Jul 5, 1995 8:44:26 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.17	TCX	.113	.100	13.4	113.4
14.56	AR1254	.549	.500	9.9	109.9
16.25	AR1254	.540	.500	8.1	108.1
16.80	AR1254	.525	.500	4.9	104.9
17.32	AR1254	.534	.500	6.9	106.9
18.70	AR1254	.542	.500	8.3	108.3
29.79	DCB	.107	.100	7.4	107.4

/DATA/GC11/RESULT/G11W18391.RES
/DATA/GC11/METHOD/PCB1254060A.MTH

Sample: AR1254 0.5PPM P8687
Injected: Wed Jul 5, 1995 8:44:26 am

RetTime	Analyte	Found	Nominal	ZD	Recovery
5.60	TCX	.108	.100	8.2	108.2
13.47	AR1254	.536	.500	7.1	107.1
14.97	AR1254	.532	.500	6.3	106.3
15.48	AR1254	.491	.500	1.7	98.3
15.73	AR1254	.525	.500	4.9	104.9
16.84	AR1254	.487	.500	2.6	97.4
25.37	DCB	.102	.100	1.7	101.7

/DATA/GC01/RESULT/G1W18404.RES
 /DATA/GC01/METHOD/PEST134.MTH

Sample: *IND 2A6 PF658*
 Injected: Thu Jul 6, 1995 11:08:23 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.101	.100	1.4	101.4
8.23	ALPHA-BHC	.020	.020	.1	100.1
9.49	GAMMA-BHC	.020	.020	2.1	102.1
9.76	BETA-BHC	.020	.020	.0	100.0
10.77	HEPTACHLDR	.018	.020	8.7	91.3
10.96	DELTA-BHC	.021	.020	3.4	103.4
11.88	ALDRIN	.020	.020	2.0	102.0
13.75	HEPTACHLDR EPOXIDE	.021	.020	5.5	105.5
14.41	GAMMA-CHLORDANE	.022	.020	9.9	109.9
14.96	ALPHA-CHLORDANE/ENDOSULFAN I	.044	.040	9.4	109.4
15.77	4,4'-DDE	.044	.040	9.6	109.6
16.00	DIELDRIN	.044	.040	10.1	110.1
17.17	ENDRIN	.036	.040	10.8	89.2
17.65	4,4'-DDD	.045	.040	12.4	112.4
17.80	ENDOSULFAN II	.046	.040	15.6*	115.6
18.70	4,4'-DDT	.043	.040	6.9	106.9
18.85	ENDRIN ALDEHYDE	.046	.040	15.9*	115.9
19.39	ENDOSULFAN SULFATE	.046	.040	13.8	113.8
21.62	METHOXYCHLOR	.194	.200	2.6	97.2
21.96	ENDRIN KETONE	.049	.040	23.4*	123.4
27.83	DCB	.110	.100	10.0	110.0

DATA/GC11/RESULT/G11W18404.RES
 /DATA/GC11/METHOD/PEST134.MTH

Sample: *IND OAS P5688*
 Injected: Thu Jul 6, 1995 11:08:23 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.103	.100	2.6	102.6
8.17	ALPHA-BHC	.020	.020	2.1	102.1
9.41	GAMMA-BHC	.019	.020	3.7	96.3
10.04	HEPTACHLOR	.020	.020	1.1	98.9
10.89	ALDRIN	.021	.020	2.9	102.9
11.74	BETA-BHC	.021	.020	6.2	106.2
12.50	DELTA-BHC	.021	.020	7.4	107.4
13.12	HEPTACHLOR EPOXIDE	.021	.020	4.4	104.4
14.00	ENDOSULFAN I	.022	.020	7.9	107.9
14.14	GAMMA-CHLORDANE	.021	.020	7.2	107.2
14.57	ALPHA-CHLORDANE	.022	.020	7.8	107.8
14.64	4,4'-DDE	.043	.040	7.9	107.9
15.17	DIELDRIN	.045	.040	7.2	107.2
15.86	ENDRIN	.034	.040	14.4	85.3
17.18	4,4'-DDD	.041	.040	3.7	103.7
17.42	ENDOSULFAN II	.042	.040	4.5	104.5
17.73	4,4'-DDT	.040	.040	.8	100.8
18.75	ENDRIN ALDEHYDE	.047	.040	18.6	118.6
19.77	METHOXYCHLOR/ENDO SULFATE	.224	.240	6.7	93.3
21.11	ENDRIN KETONE	.048	.040	19.3	119.3
25.40	DDB	.103	.100	7.8	107.8

/DATA/GC01/RESULT/G1L18405.RES
/DATA/GC01/METHOD/PCB1660025A.MTH

Sample: AROCLOR 1660 0.5PPM P8676
Injected: Thu Jul 6, 1995 12:33:43 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.116	.100	16.2	116.2
8.02	AR1016	.522	.500	4.4	104.4
9.39	AR1016	.555	.500	11.0	111.0
10.71	AR1016	.540	.500	8.0	108.0
11.21	AR1016	.556	.500	11.2	111.2
12.83	AR1016	.568	.500	13.6	113.6
17.36	AR1260	.639	.500	27.8	127.8
20.08	AR1260	.559	.500	11.8	111.8
20.70	AR1260	.567	.500	13.4	113.4
22.44	AR1260	.564	.500	12.8	112.8
25.14	AR1260	.549	.500	9.7	109.7
29.84	DCB	.113	.100	13.3	113.3

/DATA/GC11/RESULT/G11L18405.RES
/DATA/GC11/METHOD/PCB1660025A.MTH

Sample: AR1660 0.5PPM P8676
Injected: Thu Jul 6, 1995 12:33:43 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.114	.100	13.5	113.5
7.15	AR1016	.545	.500	9.0	109.0
8.33	AR1016	.534	.500	6.8	106.8
9.71	AR1016	.533	.500	6.6	106.6
10.16	AR1016	.529	.500	5.9	105.9
10.81	AR1016	.546	.500	9.3	109.3
15.52	AR1260	.527	.500	5.4	105.4
16.23	AR1260	.554	.500	10.8	110.8
17.36	AR1260	.584	.500	16.7	116.7
19.47	AR1260	.536	.500	7.2	107.2
20.64	AR1260	.528	.500	5.6	105.6
25.41	DCB	.107	.100	7.3	107.3

, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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/DATA/GC01/METHOD/PEST135.MTH
hod created: 07/10/95 09:11:57
hod updated: 07/10/95 09:27:12

ult files used for Calibration data:
e1 1 /DATA/GC01/RESULT/G1H18425.RES
e1 2 /DATA/GC01/RESULT/G1H18426.RES
e1 3 /DATA/GC01/RESULT/G1H18427.RES
e1 4 /DATA/GC01/RESULT/G1H18428.RES
e1 5 /DATA/GC01/RESULT/G1H18429.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.23	TCX	.99964	-3045.27	1165245.20	-610074.00
8.27	ALPHA-BHC	.99998	57.06	680434.12	16611218.0
9.53	GAMMA-BHC	.99996	-59.39	726948.50	12507734.0
9.80	BETA-BHC	.99993	57.90	555004.50	2859300.50
10.1	HEPTACHLOR	.99971	-11.81	807813.25	6793776.00
11.00	DELTA-BHC	.99991	103.63	584014.25	13165130.0
11.93	ALDRIN	.99994	-79.87	676450.62	6699056.00
13.80	HEPTACHLOR EPOXIDE	1.0000	58.17	744671.13	5233103.00
14.46	GAMMA-CHLORDANE	.99979	-46.72	765839.25	4725387.00
15.01	ALPHA-CHLORDANE/ENDOSULFA	.99986	-351.95	669737.13	1863696.00
15.81	4,4'-DDE	.99967	-405.79	646985.37	3734872.50
16.06	DIELDRIN	.99961	-588.55	685722.12	3258350.50
17.22	ENDRIN	.99955	-421.40	607760.37	2856377.00
17.70	4,4'-DDD	.99988	-396.93	459433.31	2562708.50
17.86	ENDOSULFAN II	.99977	-427.30	713463.38	1906601.70
18.75	4,4'-DDT	.99944	-518.72	574399.37	2485306.00
18.90	ENDRIN ALDEHYDE	.99999	-95.77	607461.00	812511.25
19.44	ENDOSULFAN SULFATE	.99995	-170.59	610866.12	1768340.00
21.68	METHOXYCHLOR	.99993	-91.88	383172.44	-5187.91
22.02	ENDRIN KETONE	.99979	-526.69	603319.12	1767394.20
29.95	DCB	.99996	225.84	474143.31	-128777.39

$$R = B0 + B1X + B2X^2$$

Incorporated

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| INITIAL CALIBRATION SUMMARY |
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/DATA/GC11/METHOD/PEST135.MTH
od created: 07/10/95 09:28:13
od updated: 07/10/95 09:44:47

It files used for Calibration data:
1 1 /DATA/GC11/RESULT/G11H18425.RES
1 2 /DATA/GC11/RESULT/G11H18426.RES
1 3 /DATA/GC11/RESULT/G11H18427.RES
1 4 /DATA/GC11/RESULT/G11H18428.RES
1 5 /DATA/GC11/RESULT/G11H18429.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
5.67	TCX	.99910	-2142.50	1229150.50	-340269.69
8.21	ALPHA-BHC	.99969	-300.63	778904.75	15950726.0
9.46	GAMMA-BHC	.99901	-959.35	1007106.80	6732934.00
0.09	HEPTACHLOR	.99922	-133.98	913398.37	5260652.00
0.	ALDRIN	.99985	51.71	714448.75	8021932.00
1.	BETA-BHC	.99912	-44.64	578125.25	2548556.00
2.54	DELTA-BHC	.99998	29.09	589650.37	11326420.0
3.17	HEPTACHLOR EPOXIDE	.99990	52.37	814044.50	4747984.00
4.04	ENDOSULFAN I	.99996	41.04	742325.12	5353928.00
4.19	GAMMA-CHLORDANE	.99957	-141.94	852539.37	4192529.00
4.43	ALPHA-CHLORDANE	.99992	-8.31	846866.50	3979530.50
4.68	4,4'-DDE	.99941	-634.86	687256.50	3595733.50
5.22	DIELDRIN	.99926	-971.10	811711.87	2741727.00
5.91	ENDRIN	.99984	-436.00	677684.12	2540834.50
7.23	4,4'-DDD	.99954	-798.45	595702.75	1770506.70
7.46	ENDOSULFAN II	.99977	-766.96	801088.12	906646.13
7.77	4,4'-DDT	.99994	-284.96	357473.94	2511118.50
8.80	ENDRIN ALDEHYDE	.99989	-195.42	369859.38	491104.31
9.83	METHOXYCHLOR/ENDO SULFATE	.99986	-1604.55	415298.50	-26121.84
21.16	ENDRIN KETONE	.99969	-654.88	639809.50	1154399.50
25.48	DCB	.99994	473.71	531268.38	-200667.97

$$R = B0 + B1X + B2X^2$$

Inc, Incorporated

INITIAL CALIBRATION SUMMARY

/DATA/GC01/METHOD/PCB1242037.MTH
Method created: 07/11/95 15:49:26
Method updated: 07/11/95 16:00:50

Result files used for Calibration data:
File 1 /DATA/GC01/RESULT/G1H18432.RES
File 2 /DATA/GC01/RESULT/G1H18433.RES
File 3 /DATA/GC01/RESULT/G1H18434.RES
File 4 /DATA/GC01/RESULT/G1H18435.RES
File 5 /DATA/GC01/RESULT/G1H18436.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.22	TCX	.99969	-1884.03	1141108.70	-341771.88
8.03	AR1242	.99997	163.38	19378.84	-1118.33
9.41	AR1242	.99996	197.70	30883.06	-2553.76
10.73	AR1242	.99998	168.16	51946.62	-2828.46
11.73	AR1242	.99998	106.88	22306.52	-868.29
11.6	AR1242	.99994	5.04	22501.50	-1579.15
29.91	DCB	.99997	162.80	510582.44	-193479.72

$R = B0 + B1X + B2X^2$

DE, Incorporated

INITIAL CALIBRATION SUMMARY

Method: /DATA/GC11/METHOD/PCB1242037.MTH

Method created: 07/12/95 08:33:30

Method updated: 07/12/95 09:03:01

Result files used for Calibration data:

Level 1 /DATA/GC11/RESULT/G11H18432.RES
Level 2 /DATA/GC11/RESULT/G11H18433.RES
Level 3 /DATA/GC11/RESULT/G11H18434.RES
Level 4 /DATA/GC11/RESULT/G11H18435.RES
Level 5 /DATA/GC11/RESULT/G11H18436.RES

Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
5.66	TCX	.99987	864.19	1133730.30	-55466.46
7.17	AR1242	.99991	37.29	20793.95	-1078.85
8.36	AR1242	.99994	301.85	36421.64	-3115.01
9.74	AR1242	.99994	-26.88	58796.27	-2188.89
10.18	AR1242	.99972	-5.00	25703.65	-1489.64
11.64	AR1242	.99976	309.07	24597.96	-1330.10
25.45	DCB	.99997	496.42	545517.87	-196032.44

$$R = B_0 + B_1X + B_2X^2$$

E, Incorporated

INITIAL CALIBRATION SUMMARY

/DATA/GC01/METHOD/PCB1248054.MTH

Method created: 07/11/95 15:50:00

Method updated: 07/11/95 16:09:25

Result files used for Calibration data:

- Level 1 /DATA/GC01/RESULT/G1H18437.RES
- Level 2 /DATA/GC01/RESULT/G1H18438.RES
- Level 3 /DATA/GC01/RESULT/G1H18439.RES
- Level 4 /DATA/GC01/RESULT/G1H18440.RES
- Level 5 /DATA/GC01/RESULT/G1H18441.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.21	TCX	.99933	-3681.25	1288660.00	-700685.50
9.40	AR1248	.99996	118.22	15886.30	-1202.26
10.72	AR1248	.99997	81.80	34931.64	-2345.55
11.83	AR1248	.99966	602.30	27450.64	-2628.45
17.04	AR1248	.99993	-4.50	34940.62	-3304.60
18.07	AR1248	.99996	49.21	45556.38	-4030.68
29.91	DCB	.99999	148.05	533068.00	-244936.13

$$R = B0 + B1X + B2X^2$$

E, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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r /DATA/GC11/METHOD/PCB1248054.MTH
thod created: 07/12/95 08:34:09
thod updated: 07/12/95 09:10:27

ult files used for Calibration data:
vel 1 /DATA/GC11/RESULT/G11H18437.RES
vel 2 /DATA/GC11/RESULT/G11H18438.RES
vel 3 /DATA/GC11/RESULT/G11H18439.RES
vel 4 /DATA/GC11/RESULT/G11H18440.RES
vel 5 /DATA/GC11/RESULT/G11H18441.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
5.65	TCX	.99873	-5722.91	1392402.20	-535047.50
8.35	AR1248	.99958	-79.87	20859.52	-2310.06
9.73	AR1248	.99999	62.09	38343.12	-1476.98
10.81	AR1248	.99996	93.86	36567.88	-5377.36
11.64	AR1248	.99991	454.04	38593.21	-2091.30
12.96	AR1248	.99998	226.27	43533.41	-1496.54
25.45	DCB	.99998	503.97	565515.75	-242513.34

$$R = B0 + B1X + B2X^2$$

E, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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r /DATA/GC01/METHOD/PCB1254061.MTH
thod created: 07/10/95 11:34:46
thod updated: 07/10/95 11:46:16

Result files used for Calibration data:

vel 1 /DATA/GC01/RESULT/G1H18442.RES
vel 2 /DATA/GC01/RESULT/G1H18443.RES
vel 3 /DATA/GC01/RESULT/G1H18444.RES
vel 4 /DATA/GC01/RESULT/G1H18445.RES
vel 5 /DATA/GC01/RESULT/G1H18446.RES

Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
6.22	TCX	.99975	-2118.47	1208035.20	-261551.88
14.63	AR1254	.99993	459.84	42570.08	-3746.04
16.31	AR1254	.99997	89.84	62747.68	-3178.23
16.86	AR1254	.99996	120.89	47909.13	-2484.63
17.9	AR1254	.99994	85.99	27669.30	-1828.23
18.77	AR1254	1.0000	78.02	46248.08	-2265.94
29.93	DCB	.99998	379.58	532440.63	-212310.97

$$R = B_0 + B_1X + B_2X^2$$

, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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/DATA/GC11/METHOD/PCB1254061.MTH
hod created: 07/10/95 11:47:54
hod updated: 07/10/95 12:00:50

ult files used for Calibration data:
e1 1 /DATA/GC11/RESULT/G11H18442.RES
e1 2 /DATA/GC11/RESULT/G11H18443.RES
e1 3 /DATA/GC11/RESULT/G11H18444.RES
e1 4 /DATA/GC11/RESULT/G11H18445.RES
e1 5 /DATA/GC11/RESULT/G11H18446.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
5.66	TCX	.99998	-1375.25	1389871.30	-542869.50
13.54	AR1254	.99973	638.03	45235.29	-3217.74
15.03	AR1254	.99995	-54.90	66577.02	-3129.65
15.56	AR1254	.99999	81.62	29935.57	-1397.37
15.7	AR1254	.99993	-65.86	45797.32	-1736.65
16.70	AR1254	1.0000	-5.08	24192.25	895.58
25.46	DCB	.99998	670.95	567200.88	-219084.13

$$R = B_0 + B_1X + B_2X^2$$

E, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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r /DATA/GC01/METHOD/PCB1660026.MTH
thod created: 07/11/95 15:47:03
thod updated: 07/11/95 16:17:18

ult files used for Calibration data:
vel 1 /DATA/GC01/RESULT/G1H18447.RES
vel 2 /DATA/GC01/RESULT/G1H18448.RES
vel 3 /DATA/GC01/RESULT/G1H18449.RES
vel 4 /DATA/GC01/RESULT/G1H18450.RES
vel 5 /DATA/GC01/RESULT/G1H18451.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
6.21	TCX	.99969	-2027.41	1264350.70	-552350.13
8.03	AR1016	.99990	283.34	23604.36	-1127.71
9.40	AR1016	.99987	534.30	41047.17	-3490.49
10.72	AR1016	.99995	514.73	70505.61	-4216.64
11.72	AR1016	.99993	214.87	31120.50	-1712.94
12.84	AR1016	.99993	152.46	28208.46	-2006.71
17.37	AR1260	.99990	679.16	56891.92	-4435.27
20.10	AR1260	.99997	150.61	39281.28	-1311.38
20.71	AR1260	.99996	223.77	87293.94	-3508.07
22.47	AR1260	.99995	-100.88	41886.62	-901.96
25.18	AR1260	.99993	-18.44	16769.97	168.40
29.91	DCB	.99996	760.78	530340.63	-197858.00

$$R = B0 + B1X + B2X^2$$

E, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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r /DATA/GC11/METHOD/PCB1660026.MTH
Method created: 07/12/95 08:34:48
Method updated: 07/12/95 09:19:06

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H18447.RES
Level 2 /DATA/GC11/RESULT/G11H18448.RES
Level 3 /DATA/GC11/RESULT/G11H18449.RES
Level 4 /DATA/GC11/RESULT/G11H18450.RES
Level 5 /DATA/GC11/RESULT/G11H18451.RES

Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
5.65	TCX	.99921	-2978.13	1362738.30	-575364.63
7.17	AR1016	.99993	261.36	26035.70	-1167.84
8.34	AR1016	.99980	330.88	51621.73	-5597.45
9.73	AR1016	.99997	279.27	80572.17	-3367.16
11.07	AR1016	.99988	105.16	36201.05	-2417.18
10.82	AR1016	.99993	236.57	27991.85	-2296.29
15.54	AR1260	.99994	449.26	50507.48	-3352.80
16.25	AR1260	.99993	484.16	57014.60	-3513.21
17.38	AR1260	.99993	79.88	68964.28	-3351.56
19.50	AR1260	.99997	71.51	75924.98	-1363.49
20.72	AR1260	.99997	-67.81	45758.66	-410.60
25.45	DCB	.99994	1020.16	562133.25	-196623.41

$$R = B0 + B1X + B2X^2$$

/DATA/GC01/RESULT/G1H18458.RES
/DATA/GC01/METHOD/PEST135.MTH

ample: IND2AB P8688
Injected: Mon Jul 10, 1995 10:28:25 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.104	.100	4.4	104.4
8.27	ALPHA-BHC	.021	.020	5.6	105.6
9.53	GAMMA-BHC	.022	.020	9.4	109.4
9.80	BETA-BHC	.022	.020	10.8	110.8
10.81	HEPTACHLOR	.019	.020	5.1	94.9
11.00	DELTA-BHC	.022	.020	9.0	109.0
11.92	ALDRIN	.021	.020	5.5	105.5
13.80	HEPTACHLOR EPOXIDE	.022	.020	9.0	109.0
14.45	GAMMA-CHLORDANE	.021	.020	7.4	107.4
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.044	.040	10.7	110.7
15.80	4,4'-DDE	.044	.040	9.2	109.2
16.04	DIELDRIN	.043	.040	7.4	107.4
17.21	ENDRIN	.040	.040	.9	99.1
17.69	4,4'-DDD	.044	.040	9.3	109.3
17.85	ENDOSULFAN II	.043	.040	8.0	108.0
18.74	4,4'-DDT	.042	.040	5.1	105.1
18.89	ENDRIN ALDEHYDE	.046	.040	15.8	115.8
19.43	ENDOSULFAN SULFATE	.045	.040	12.8	112.8
21.67	METHOXYCHLOR	.206	.200	3.2	103.2
22.01	ENDRIN KETONE	.046	.040	14.1	114.1
29.91	DCB	.110	.100	9.5	109.5

/DATA/GC11/RESULT/G11H18458.RES
/DATA/GC11/METHOD/PEST135.MTH

Sample: IND2AB P8688
Injected: Mon Jul 10, 1995 10:28:25 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.106	.100	6.0	106.0
8.20	ALPHA-BHC	.022	.020	10.2	110.2
9.45	GAMMA-BHC	.020	.020	1.7	98.3
10.08	HEPTACHLOR	.020	.020	.3	100.3
10.93	ALDRIN	.022	.020	9.3	109.3
11.78	BETA-BHC	.021	.020	4.4	104.4
12.53	DELTA-BHC	.022	.020	10.4	110.4
13.16	HEPTACHLOR EPOXIDE	.022	.020	9.1	109.1
14.04	ENDOSULFAN I	.022	.020	8.5	108.5
14.18	GAMMA-CHLORDANE	.020	.020	1.7	101.7
14.43	ALPHA-CHLORDANE	.022	.020	10.6	110.6
14.68	4,4'-DDE	.042	.040	4.4	104.4
15.22	DIELDRIN	.040	.040	.2	99.8
15.90	ENDRIN	.039	.040	3.1	96.9
17.23	4,4'-DDD	.041	.040	2.0	102.0
17.46	ENDOSULFAN II	.042	.040	4.7	104.7
17.77	4,4'-DDT	.045	.040	12.3	112.3
18.79	ENDRIN ALDEHYDE	.044	.040	10.7	110.7
19.83	METHOXYCHLOR/ENDO SULFATE	.246	.240	2.5	102.5
21.16	ENDRIN KETONE	.043	.040	7.4	107.4
25.47	DCB	.107	.100	7.0	107.0

/DATA/GC01/RESULT/G1H18459.RES
/DATA/GC01/METHOD/PCB1254061.MTH

Sample: AR1254 0.5PPM P8687
Injected: Mon Jul 10, 1995 11:06:05 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.19	TCX	.099	.100	1.3	98.7
14.60	AR1254	.517	.500	3.4	103.4
16.29	AR1254	.493	.500	1.5	98.5
16.83	AR1254	.502	.500	.5	100.5
17.36	AR1254	.504	.500	.8	100.8
18.74	AR1254	.500	.500	.1	100.1
29.88	DCB	.098	.100	2.1	97.9

/DATA/GC11/RESULT/G11H18459.RES
/DATA/GC11/METHOD/PCB1254061.MTH

Sample: AR1254 0.5PPM P8687
Injected: Mon Jul 10, 1995 11:06:05 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.63	TCX	.103	.100	3.4	103.4
13.52	AR1254	.504	.500	.8	100.8
15.01	AR1254	.499	.500	.1	99.9
15.53	AR1254	.505	.500	.9	100.9
15.77	AR1254	.499	.500	.2	99.8
16.88	AR1254	.476	.500	4.8	95.2
25.45	DCB	.098	.100	2.0	98.0

/DATA/GC01/RESULT/G1H18474.RES
/DATA/GC01/METHOD/PCB1660026.MTH

Sample: AR1660 0.5PPM PB693
Injected: Mon Jul 10, 1995 8:49:47 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.100	.100	.2	100.2
8.02	AR1016	.486	.500	2.7	97.3
9.39	AR1016	.498	.500	.4	99.6
10.71	AR1016	.484	.500	3.3	96.7
11.21	AR1016	.498	.500	.4	99.6
12.83	AR1016	.485	.500	3.0	97.0
17.37	AR1260	.467	.500	6.7	93.3
20.09	AR1260	.445	.500	10.9	89.1
20.71	AR1260	.447	.500	10.6	89.4
22.47	AR1260	.440	.500	12.1	87.9
25.19	AR1260	.444	.500	11.2	88.8
29.93	DCB	.092	.100	8.0	92.0

/DATA/GC11/RESULT/G11H18474.RES
/DATA/GC11/METHOD/PCB1660026.MTH

Sample: AR1660 0.5PPM P8693
Injected: Mon Jul 10, 1995 8:49:47 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.108	.100	7.7	107.7
7.16	AR1016	.492	.500	1.6	98.4
8.34	AR1016	.518	.500	3.6	103.6
9.72	AR1016	.495	.500	1.1	98.9
10.17	AR1016	.499	.500	.1	99.9
10.81	AR1016	.503	.500	.6	100.6
15.53	AR1260	.488	.500	2.5	97.5
16.24	AR1260	.496	.500	.7	99.3
17.37	AR1260	.479	.500	4.3	95.7
19.48	AR1260	.480	.500	3.9	96.1
20.65	AR1260	.458	.500	8.3	91.7
25.46	DCB	.096	.100	4.1	95.9

PACE, Incorporated
Continuing Calibration Report

Thu Jul 13, 1995 9:35:26 am

/DATA/GC01/RESULT/G1H18504.RES
/DATA/GC01/METHOD/PEST135_1.MTH

Sample: IND2AB P8688
Injected: Thu Jul 13, 1995 8:36:22 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.22	TCX	.093	.100	6.8	93.2
8.27	ALPHA-BHC	.019	.020	3.9	96.1
9.53	GAMMA-BHC	.019	.020	3.9	96.1
9.80	BETA-BHC	.019	.020	6.2	93.8
10.81	HEPTACHLOR	.018	.020	9.0	91.0
10.99	DELTA-BHC	.019	.020	3.1	96.9
11.92	ALDRIN	.018	.020	9.0	91.0
13.79	HEPTACHLOR EPOXIDE	.019	.020	6.2	93.8
14.44	GAMMA-CHLORDANE	.019	.020	6.0	94.0
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.038	.040	5.0	95.0
15.80	4,4'-DDE	.040	.040	.4	99.6
16.04	DIELDRIN	.039	.040	3.7	96.3
17.20	ENDRIN	.039	.040	3.4	96.6
17.69	4,4'-DDD	.042	.040	4.0	104.0
17.84	ENDOSULFAN II	.040	.040	.9	99.1
18.74	4,4'-DDT	.039	.040	2.5	97.5
18.89	ENDRIN ALDEHYDE	.040	.040	.1	100.1
19.43	ENDOSULFAN SULFATE	.040	.040	.6	99.4
21.67	METHOXYCHLOR	.189	.200	5.6	94.4
22.01	ENDRIN KETONE	.040	.040	.4	100.4
29.95	DCB	.098	.100	1.7	98.3

FACE, Incorporated
Continuing Calibration Report

Thu Jul 13, 1995 9:39:20 am

/DATA/GC11/RESULT/G11H18504.RES
/DATA/GC11/METHOD/PEST135_1.MTH

Sample: IND2AB
Injected: Thu Jul 13, 1995 8:36:22 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.64	TCX	.103	.100	3.3	103.3
8.20	ALPHA-BHC	.020	.020	1.3	101.3
9.44	GAMMA-BHC	.020	.020	2.3	97.7
10.07	HEPTACHLOR	.021	.020	2.6	102.6
10.92	ALDRIN	.019	.020	7.3	92.7
11.77	BETA-BHC	.019	.020	3.8	96.2
12.53	DELTA-BHC	.020	.020	2.1	97.9
13.16	HEPTACHLOR EPOXIDE	.018	.020	8.8	91.2
14.03	ENDOSULFAN I	.019	.020	5.6	94.4
14.17	GAMMA-CHLORDANE	.019	.020	6.5	93.5
14.42	ALPHA-CHLORDANE	.018	.020	7.6	92.4
14.67	4,4'-DDE	.039	.040	2.0	98.0
15.21	DIELDRIN	.037	.040	6.5	93.5
15.90	ENDRIN	.038	.040	5.3	94.7
17.21	4,4'-DDD	.038	.040	5.0	95.0
17.45	ENDOSULFAN II	.037	.040	7.2	92.8
17.76	4,4'-DDT	.053	.040	32.7	132.7
18.78	ENDRIN ALDEHYDE	.039	.040	1.3	98.7
19.82	METHOXYCHLOR/ENDO SULFATE	.254	.240	5.6	105.6
21.15	ENDRIN KETONE	.041	.040	1.5	101.5
25.48	DCB	.102	.100	2.4	102.4

/DATA/GC01/RESULT/G1H18511.RES
/DATA/GC01/METHOD/PEST135.MTH

Sample: IND2AB P8688
Injected: Thu Jul 13, 1995 4:29:18 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.104	.100	3.7	103.7
8.27	ALPHA-BHC	.020	.020	2.1	102.1
9.53	GAMMA-BHC	.021	.020	4.0	104.0
9.80	BETA-BHC	.021	.020	2.5	102.5
10.81	HEPTACHLOR	.019	.020	4.9	95.1
11.00	DELTA-BHC	.021	.020	3.3	103.3
11.92	ALDRIN	.020	.020	2.4	102.4
13.80	HEPTACHLOR EPOXIDE	.021	.020	3.4	103.4
14.45	GAMMA-CHLORDANE	.020	.020	1.8	101.8
15.00	ALPHA-CHLORDANE/ENDOSULFAM I	.041	.040	3.2	103.2
15.80	4,4'-DDE	.043	.040	7.0	107.0
16.04	DIELDRIN	.041	.040	1.6	101.6
17.21	ENDRIN	.041	.040	1.9	101.9
17.69	4,4'-DDD	.043	.040	8.5	108.5
17.85	ENDOSULFAM II	.042	.040	4.6	104.6
18.74	4,4'-DDT	.042	.040	3.9	103.9
18.89	ENDRIN ALDEHYDE	.043	.040	8.4	108.4
19.43	ENDOSULFAM SULFATE	.043	.040	6.7	106.7
21.67	METHOXYCHLOR	.202	.200	1.2	101.2
22.01	ENDRIN KETONE	.042	.040	6.1	106.1
29.94	DCB	.105	.100	5.1	105.1

/DATA/GC11/RESULT/G11H18511.RES
/DATA/GC11/METHOD/PEST135.MTH

Sample: IND2AB P8688
Injected: Thu Jul 13, 1995 4:29:18 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.65	TCX	.104	.100	3.5	103.5
8.20	ALPHA-BHC	.022	.020	11.0	111.0
9.44	GAMMA-BHC	.020	.020	1.8	101.8
10.07	HEPTACHLOR	.022	.020	11.7	111.7
10.92	ALDRIN	.021	.020	4.2	104.2
11.77	BETA-BHC	.022	.020	9.3	109.3
12.53	DELTA-BHC	.022	.020	9.6	109.6
13.16	HEPTACHLOR EPOXIDE	.020	.020	2.3	102.3
14.03	ENDOSULFAN I	.021	.020	4.1	104.1
14.17	GAMMA-CHLORDANE	.020	.020	1.2	101.2
14.43	ALPHA-CHLORDANE	.021	.020	2.8	102.8
14.67	4,4'-DDE	.042	.040	5.1	105.1
15.21	DIELDRIN	.040	.040	.3	100.3
15.90	ENDRIN	.041	.040	2.6	102.6
17.21	4,4'-DDD	.038	.040	5.6	94.4
17.45	ENDOSULFAN II	.039	.040	2.1	97.9
17.76	4,4'-DDT	.056	.040	40.5	140.5
18.78	ENDRIN ALDEHYDE	.042	.040	5.9	105.9
19.82	METHOXYCHLOR/ENDO SULFATE	.269	.240	12.2	112.2
21.15	ENDRIN KETONE	.043	.040	7.3	107.3
25.47	DCB	.110	.100	9.7	109.7

/DATA/GC01/RESULT/G1H18514.RES
/DATA/GC01/METHOD/PCB1254061.MTH

Sample: AR1254 0.5PPM P8687
Injected: Thu Jul 13, 1995 6:19:14 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.100	.100	.3	100.3
14.61	AR1254	.492	.500	1.6	98.4
16.30	AR1254	.487	.500	2.5	97.5
16.85	AR1254	.496	.500	.9	99.1
17.37	AR1254	.486	.500	2.9	97.1
18.76	AR1254	.482	.500	3.7	96.3
29.92	DCB	.095	.100	5.1	94.9

/DATA/GC11/RESULT/G11H18514.RES
/DATA/GC11/METHOD/PCB1254061.MTH

Sample: AR1254 0.5PPM P8687
Injected: Thu Jul 13, 1995 6:19:14 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.097	.100	2.6	97.4
13.53	AR1254	.525	.500	5.0	105.0
15.02	AR1254	.476	.500	4.9	95.1
15.54	AR1254	.493	.500	1.4	98.6
15.79	AR1254	.481	.500	3.7	96.3
16.90	AR1254	.497	.500	.6	99.4
25.47	DCB	.104	.100	3.6	103.6

PACE, INCORPORATED
GC Instrument Run Log

0000025

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
3/8/95	115	61111417389	AR1248 0.05ppm P8493	N	N	nut125	112/110	61110308
		390	AR1248 0.2 ppm P8495					
		391	AR1248 0.5 ppm P8496					
		392	AR1248 1.0 ppm P8497					
		393	AR1248 2.0 ppm P8498					
		394	AR1254 0.05ppm P8499					
		395	AR1254 0.2 ppm P8501					
		396	AR1254 0.5 ppm P8502					
		397	AR1254 1.0 ppm P8503					
		398	AR1254 2.0 ppm P8504					
		399	AR1660 0.05 ppm P8505					
		400	AR1660 0.2 ppm P8507					
		401	AR1660 0.5 ppm P8508					
		402	AR1667 1.0 ppm P8509					
		403	AR1660 2.0 ppm P8510					
		404	AR1221 0.2 ppm P8520					
		405	AR1232 0.1 ppm P8486					
3/19/95	115	406	IND2A15 P8517 Test DCB					
		407						
			using 32-min for GC01 DCB peak					
		408	End P8199 0.1 ppm	N	Y	nut126	112/110	61110309
		409	P8515 Ind 0.5 AB					
		410	P8516 1 AB					
		411	P8517 2 AB					
		412	P8518 3 AB					
		413	P8519 5 AB					
		414	43127-2 1ppm Emission / V310/11:50:11m	N	Y	Pest126		
		415	P8104 1 ppm TOX	N	Y	Pest126		
		416	AR1242 0.05 ppm P8487	N	Y	PC81242036		
		417	↓ 0.2 ↓ P8489					
		418	↓ 0.5 ↓ P8490					

Not accepted due to
wrong ramp. Need to
increase final time to get
DCB.

PACE, INCORPORATED
GC Instrument Run Log

000026

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

date	init	result file	Sample	MI	V	Method	column	Sequence
2/9/95	(SM)	G1111417419	AR1242 1.0ppm P8491	N	Y	PCB1242036	112/110	G1110509
			420 AR1242 2.0ppm P8492			↓		
			421 AR1248 0.05 ppm P8493			PCB1248053		
			422 0.2 P8495			↓		
			423 0.5 P8496			↓		
			424 1.0 P8497			↓		
			425 2.0 P8498			↓		
3/16/95			426 AR1254 0.05 ppm P8499			PCB1254060		
			427 0.2 P8501			↓		
			428 0.5 P8502			↓		
			429 1.0 P8503			↓		
			430 2.0 P8504			↓		
			431 AR1660 0.05 ppm P8505			PCB1660025		
			432 0.2 P8507			↓		
			433 0.5 P8508			↓		
			434 1.0 P8509			↓		
			435 2.0 P8510			↓		
			436 AR1221 0.2 ppm P8510			PCB1221014		
			437 AR1232 0.1 ppm P8486			PCB123201		
			438 P8520 AR1221 0.2ppm ^{CF→1-73,960} 11-76,815	N	Y	PCB1221014		
			439 P8401 IND 2MS (for OBC only) ^{OBC→CF→1-573,820} 11-573,620	N	Y	Pest125		
			440 P8464 AR1221 0.2 ppm ^{CF→1-77830} 11-77075	N	Y	PCB1221014		
			441 BP4236 Pest-W	N	Y	Pest126		
			442 LSP4236 Pest-W					
			443 43159-1 Pest-W D.E.S/O316 ^{CF→1-77830} BAC					
			444 BP4237 P/P-W					
			445 LSP4237 P/P-W					
			446 43165-1 P/P-W D2113 BAC					
			447 90001-259 P/P-W TLP Blank					
			448 BP4239 PB-MS	N	Y	PCB1251060		
			449 LSP4239 PB-MS					

000080

PACE, INCORPORATED
GC Instrument Run Log

000054

Circle one:
CLP/PHC/OPP/HERB/P-B

Run by _____ Date _____

Sample	MI	Y	Method	column	Sequence
291	N	Y	PosH34	112/110	61/110626
292					
293					
294					
295	N	Y			
296					
297					
298					
299					
300					
301					
302	N	Y	PCB1242036		
303	N	Y	PCB1240053		
304	N	Y	PCB1254062A		
305	N	Y	PCB1660025A		
306			PosH34		
307					
308					
309					
310	N	N			→ try a 1:20 diln
311					→ try a 1:10 diln
312					→ try a 1:10 diln
313	N	Y			
314					
315					tox=15%, GC=6%
316	N	Y	PosH34		
317	N	Y	PCB1254062A		
318	N	N			→ try a 1:5 diln
319					→ try a 1:5 diln
320					→ try a 1:5 diln

PACE, INCORPORATED
GC Instrument Run Log

000056

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/②-③

Date	init	result file	Sample	MI	Y	Method	column	Sequence
6/29/95	②	G/11W18357	44426-3 P/P-S CHS46/Neusa C/S.C.	✓	Y	Pest134	112/110	G/110628
			352 -5					
			353 -14					
			354 -15					
			355 -17		Y			
			356 -6 CHS46/Neusa C/1:4 diln	✓				
			357 IN02AB PG688			Pest134		
			358 AR1247 0.5PPM PG685		*	PCB124706A		NC
			359 AR1248 PG686		*	PCB1248053A		NC
			360 AR1244 PG687 GCII 8/10/12 GCII 10/2/16			PCB1244060A		
			361 AR1660 PG676		*	PCB1660025A		NC
			362 44426-8 P/P-S CHS4/Neusa C/1:2 diln			Pest134		
			363 -12 1:4 diln					
			364 -13 1:2 diln					
			365 IN02AB PG688 GCII - 700, EA, ES, EK GCII - 900, EA, EK		*	Pest134		
			366 AR1244 0.5PPM PG687			PCB1244060A	✓	✓
6/30/95		Signal 1 = 10.1	Signal 2 = 12.5					
6/31/95	②	G/11W18367	IND02AB PG688 1 - and 100 - 20470 11 - and 100 - 16670	N	Y	Pest134	112/110	G/110630
			368 AR1247 0.5PPM PG685	N	Y	PCB124706A		
			369 AR1248 PG686	N	Y	PCB1248053A		
			370 AR1254 PG687	N	Y	PCB1244060A		
			371 AR1660 PG676	N	Y	PCB1660025A		
			372 BP4346 P/P-MS	N	Y	Pest134		
			373 LSP4346 P/P-MS	N	Y			
			374 44544-1 P/P-MS LSN07/V705	N	Y			
			375 -2	N	N	→ mg a 1:2 dilution		
			376 -3			→ mg a 1:2 dilution		
			377 -4			→ mg a 1:10 dilution		
			378 -4MS					
			379 -4MSD					
			380 -5	N	Y	→ mg a 1:100 dilution		✓

000082

PACE, INCORPORATED
GC Instrument Run Log

0000057

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	V	Method	column	Sequence
6/30/95	Ⓟ	G1/11W16301	44544-6 PIP-MS LSN07/V205	N	Y	PestH34	112/110	G1/110630
7/2/95	Ⓟ		382 IND 2AB P8688	N	N	PestH34	112/110	G1/110702
			383 AR1254 0.5PPM P8687					
			384 AR1660 0.5PPM P8676					
			385 44544-2 PIP-MS LSN07/1:2diln					
			386 -3 1:2diln → tm 1:10 diln					
			387 -4 1:10diln → tm 1:5 diln					
			388 -5 (25) 1:50diln → tm 1:50diln					
			389 -6 (15) 1:100diln → tm 1:50diln					
7/5/95	Ⓟ	G1/11W16390	IND 2AB P8688 ol: Ketok 11: ok	N	Y	PestH34	112/110	G1/110705
			391 AR1254 0.5PPM P8687 ol: ok 11: "			PCB1291060A		
			392 AR1660 ↓ P8676			PCB1660025A		
			393 44544-2 PIP-MS LSN07/1:2diln	N	N	PestH34		
			394 -3 1:10diln	N	Y			
			395 -4 1:5diln	N	Y	no surrogate		
			396 -5 1:50diln	N	N	→ tm 1:20diln		
			397 -6 1:50diln	N	Y			
			398 -2 1:2diln	N	Y			
			399 -5 1:20diln	N	Y			
			400 BP4344 O/P-W			PestH34		
			401 LSP4344 ↓					
			402 44544-7 O/P-W LSN07/V205	N	Y			
7/6/95	PL		403 IND 2AB P8688	N	Y			RT 4.7
			404 IND 2AB P8688 GC01-EI, EA, EK GC11-EA, EK	N	Y			
	PL	G1/11L18	405 AR 1660 0.5PPM P8676 GC01-10% GC11-10%	N	Y	PCB1660025A		S.S
			406 44544-4RE PIP-S	N	N			
			407 44544-4RE PIP-S 1:5 DIL	N	Y			
			408 EUAL 0.1PPM P8556 GC11-14%	N	Y			
			409 BP4343 PIP-S			PestH34		G1/110706
			410 BP4347 PIP-S					
			411 BP4344B PIP-W					

0000083

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
7/6/95	PL	61/1118412	44495-19 1PP-W	N	Y	met134	112/110	61/110706
		413	-20					
		414	-21					
		415	44438-3 red scu		N			
		416	44438-4 red PIC					
		417	IND 216 P8688					
		418	Mech Test BK110		Y			
		419	Hexane Test J11273		Y			
		420	Hexane Test 953038		Y			
7/7/95		Rinse injector with Mecl ₂ , Hexane, Sylon and Mecl ₂ changed "Y" connector Septa, lines and pre-column due to high Breakdown (Estim) Sig ₁ : 28 Sig ₂ : 24						
7/7/95	HS	61/1118421	1120 Testing Baseline	N	N	met134	112/110	61/110706
		422	P134C					61/110706
		423	AR1254 0.5PPM P8687					
7/7/95	HS	61/1118424	EVAL Mix P8556	N	Y	met135	112/110	61/110707
		425	IND 0.5AB P8677					
		426	IND 1AB P8678					
		427	IND 2AB P8688					
		428	IND 3AB P8679					
		429	IND 5AB P8680					
		430	TOXAPH 0.5PPM P8561					
		431	0.5PPM Tech Chloride P8696			Chloro10		
		432	AR1242 0.05PPM P8487	N	Y	P81242054		
		433	AR1242 0.2PPM P8489					
		434	AR1242 0.5PPM P8685					
		435	AR1242 1.0PPM P8491					
		436	AR1242 2.0PPM P8492					
		437	AR1248 0.05PPM P8493			P81248054		
		438	AR1248 0.2PPM P8494					
		439	AR1248 0.5PPM P8686					

PACE, INCORPORATED
GC Instrument Run Log

0000059

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
7/1/95	183	G1/111718460	AR1248 1.0 ppm p8497	N	Y	PLS1248054	117/110	G1/110707
		441	AR1248 2.0 ppm p8498					
		442	AR1254 0.05 ppm p8499		Y	PLS1254061		
		443	AR1254 0.2 ppm p8501					
		444	AR1254 0.5 ppm p8507					
		445	AR1254 1.0 ppm p8503					
		446	AR1254 20 ppm p8504					
		447	AR1660 0.05 ppm p8505		Y	PLS1660016		
		448	AR1660 0.2 ppm p8507					
		449	AR1660 0.5 ppm p8493					
		450	AR1660 1.0 ppm p8509					
		451	AR1660 2.0 ppm p8510					
		452	AR1721 0.05 ppm p8483					
		453	AR1732 0.05 ppm p8485					
		454	BP4356 P/p-S		↓	heat135		
		455	IND2AB p8688	N	N			
		456	AR1254 p8687					
		457	LSP4356 P/p-S		↓			
		458	IND2AB p8688 01: 160 out 11: OK	N	Y	heat135		
		459	AR1254 p8687 01: OK 11: ✓			PLS1254061		
		460	LSP4356 P/p-S		↓	heat135		
		461	44544-5 RE P/p-S		N			
		462	-6 RE ↓		↓			
		463	BP4345 P/p-MS		Y			
		464	LSP4345 P/p-MS					
		465	44544-5 RE 1:20					
		466	-6 RE 1:50					
		467	44438-3 P/p-S Dilute		N			
		468	-4 ↓ 1:5 ↓		↓			
		469	-4 MSI ↓ 1:5		Y			
		470	IND2AB p8688 01: 2 out 11: 3 out	N	Y	PLS1254061 ↓ DDO out		

0000085

PACE, INCORPORATED
GC Instrument Run Log

0000001

Circle one:
CLP/PHC/OPP/HERB/P-P

awed by _____ Date _____

ite	nit	result file	Sample	MI	V	Method	column	Sequence
475	145	6/11/18471	AR1242 0.5ppm p8685 NC	N	Y	met35	112/110	6/11/0707
			472 AR1248 0.5ppm p8686					
			473 AR1254 0.5ppm p8687					
			474 AR1660 0.5ppm p8693 ^{ok}			PC166026		
			475 44544-5 RE					
			476 -6 RE					
			477 44438-4MSDI P/p-S ^{CCM} 125	N	N	met35		
			478 BP4353 P/p-W		Y			
			479 LSP4353 ^{CCM}		N			
			480 44529-4		Y			
			481 44544-7 ^{21A/5 out}					
			482 Mecl2 BK110 ^{super tank}		N			
			483 Mecl2 145030B		Y			
			484 LSP4322 Rex ^{CCM}		N			
			485 44455-5 P/p-W PRE-F		Y			
			486 INO2A13 P8688		Y			
			487 AR1244 0.5ppm p8687					
7/11/95	145		change 120° ^{5/min} → 200°C (6) ^{6/min} → 260°C (5)				112/110	
		6/11/18488	TCP 0.1ppm	N	Y	Tcpool	112/110	S.S
			489 Florisil lot # SP1019C					
			490 Florisil lot # SP1050D					
			491 ↓					
7/12/95	Q		changed back to Post Ramp ⇒ 160°C (5) ^{5/min} → 260°C (12) ⇒ Run time = 32 min					
7/12/95	Q	6/11/18492	INO2A13 ^{3 (32) 11045} P8679	N	Y	Post35	112/110	S.S
			493 44571-1MS plaw check		↓	L	L	L
7/11/95	145		494 INO2A13 ^{700 high mh26} change liner. ^{Septa} Signal high	N	N			
			495 INO2A13 testing ^{over 100 on both cal.}					
			496					
			497					
			498					
			499					

PACE, INCORPORATED
GC Instrument Run Log

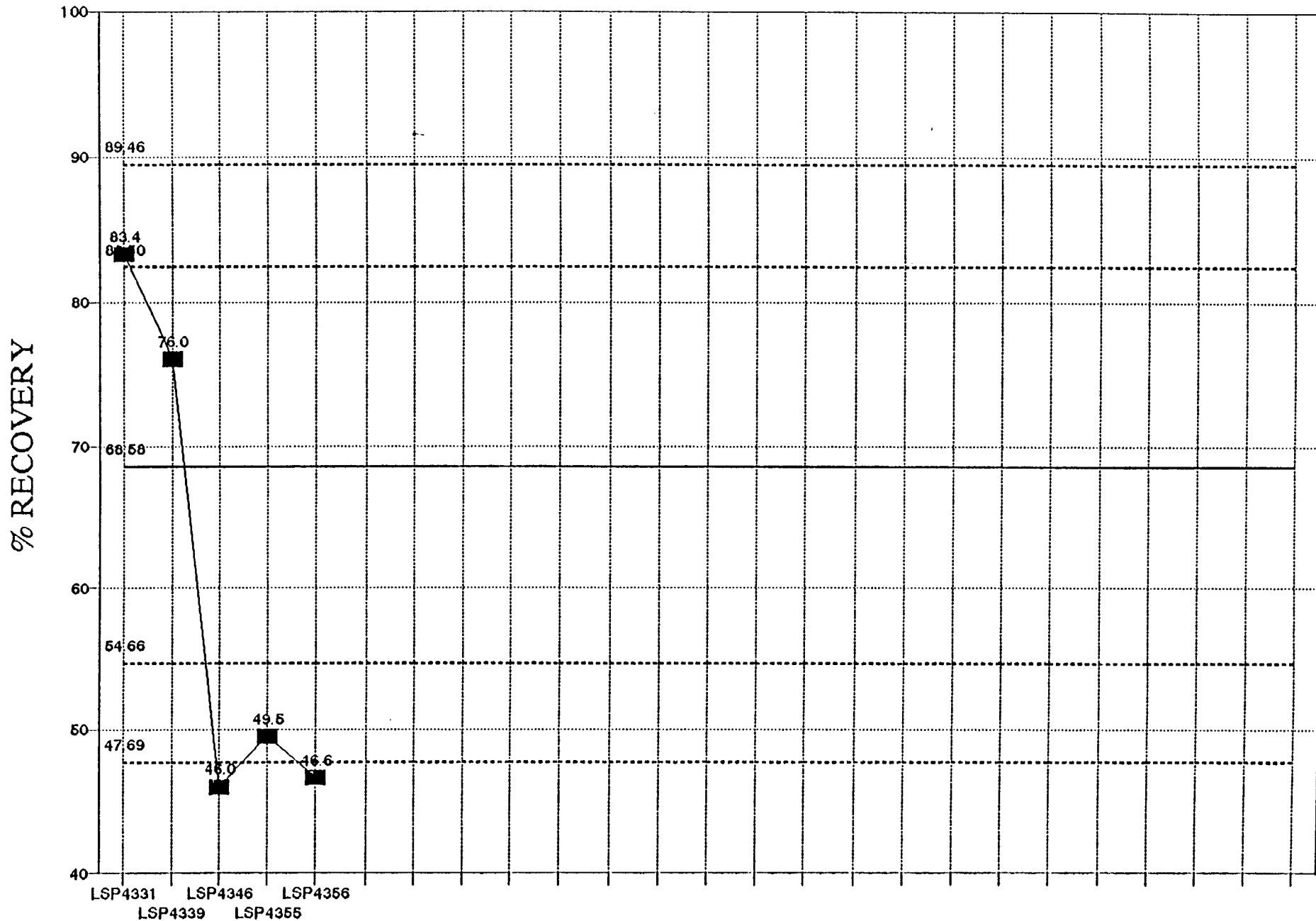
000062

Circle one:
CLP/PHC/OPP/HERB/P-P

Reviewed by _____ Date _____

Da	init	result file	Sample	MI	V	Method	column	Sequence
7/1/95	HS	G1/11118500	INDZAB testing	N	N	next 135	117/110	S.S.
		501						
		502						
		503						
7/13/95	HS	G1/11118524	INDZAB p8688	N	Y	next 135	112/110	S.S.
		505	LSP4343 P/p-S					G1/110712
		506	LSP4347 P/p-W					
		507	44544-4MS P/p-S 1:5					
		508	-4MSD ↓					
		509	LSP4322 REX P/p-S					
		510	44438-4MSDI 1:5					
7/13/95	HS	G1/11118511	INDZAB p8688	N	Y	next 135	112/110	G1/110713
		512	ARW42 0.5ppm p8685		*			NC
		513	ARW48 0.5ppm p8686		*			NC
		514	ARW44 0.5ppm p8687			PC61254061		
		515	AR2660 0.5ppm p8693		*	PC51660026		NC
		516	LSP4353 P/p-W			next 135		
		517	44438-3 ENSAFE 1:2 P/p-S					
		518	-4 ↓ 1:20 P/p-S					
		519	Bp4355 P/p-S LTN07					
		520	LSP4385 P/p-S LTN07					
		521	44529-4 P/p-W					
		522	44626-4 P/p-W LTN07					
		523	-5 ↓					
		524	44626-1 P/p-S LTN07 dilution	N	N			
		525	-2 ↓					
		526	-3 ↓					
		527	INDZAB p8688	N	Y	next 135A		
		528	44626-1 P/p-S LTN07 1:10					
		529	-2 1:5					
		530	-3 ↓ 1:2					

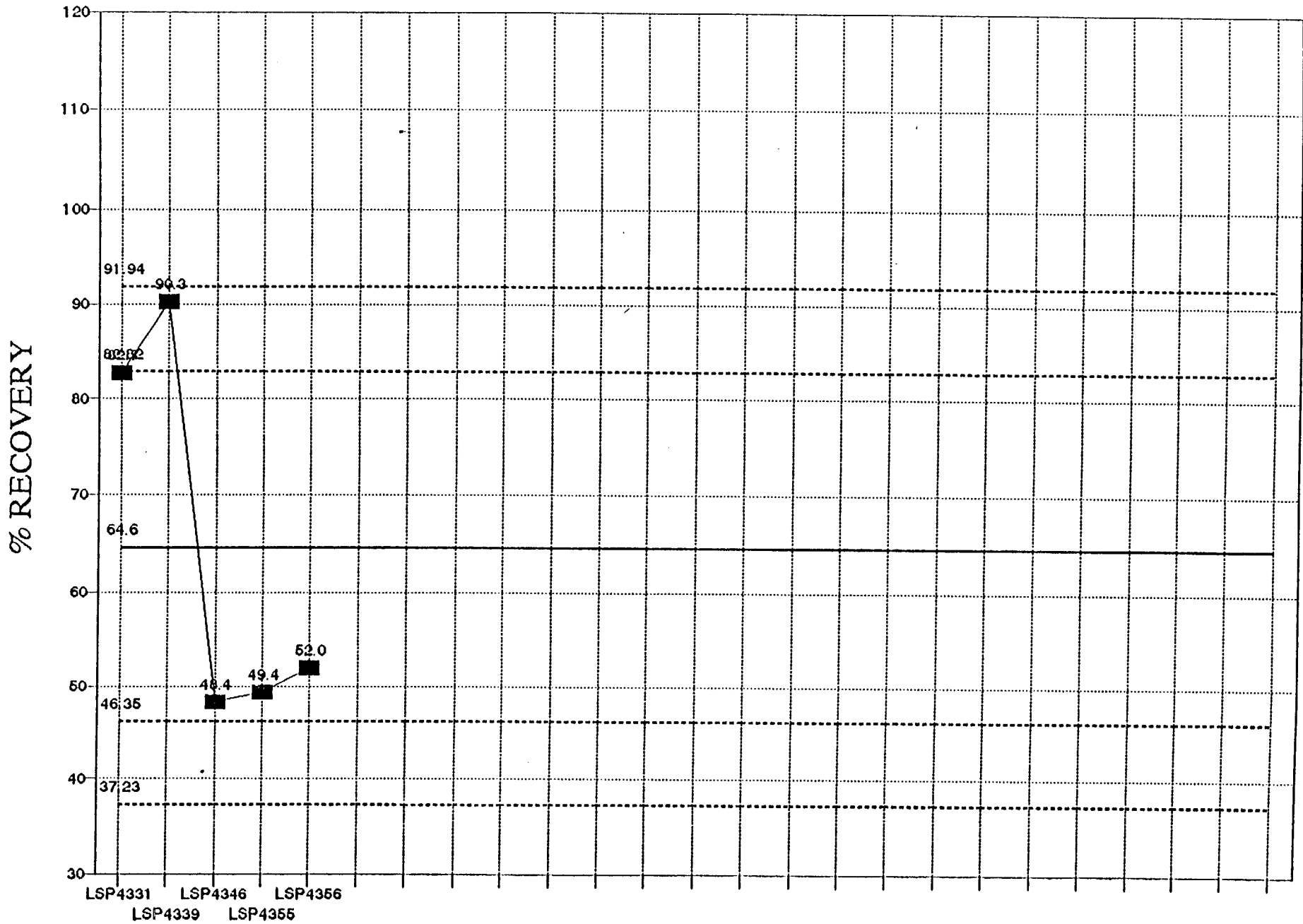
COMM. P/P-MED. SOLIC - HEPTACHLOR
SPK REC LIMITS SET 6/95-PPCBCHT\PPMSH1695



MEAN = 68.58 STD DEV = 6.96

00000000

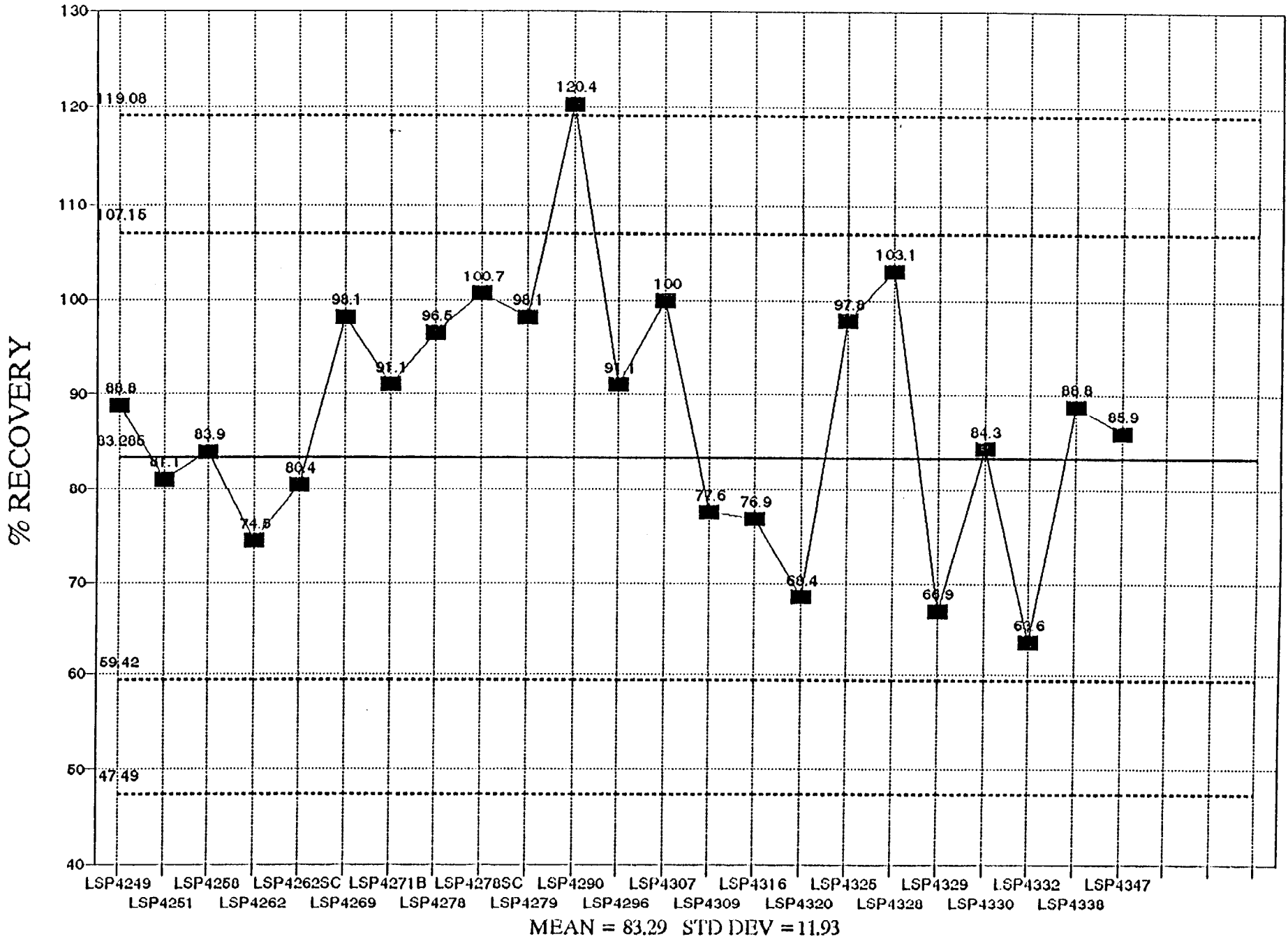
COMM. P/P-MEL. SOLIDS - ENDRIN
SPKREC LIMITS SET/95-PPCBCHT/PPMSE695



MEAN = 64.59 STD DEV = 9.12

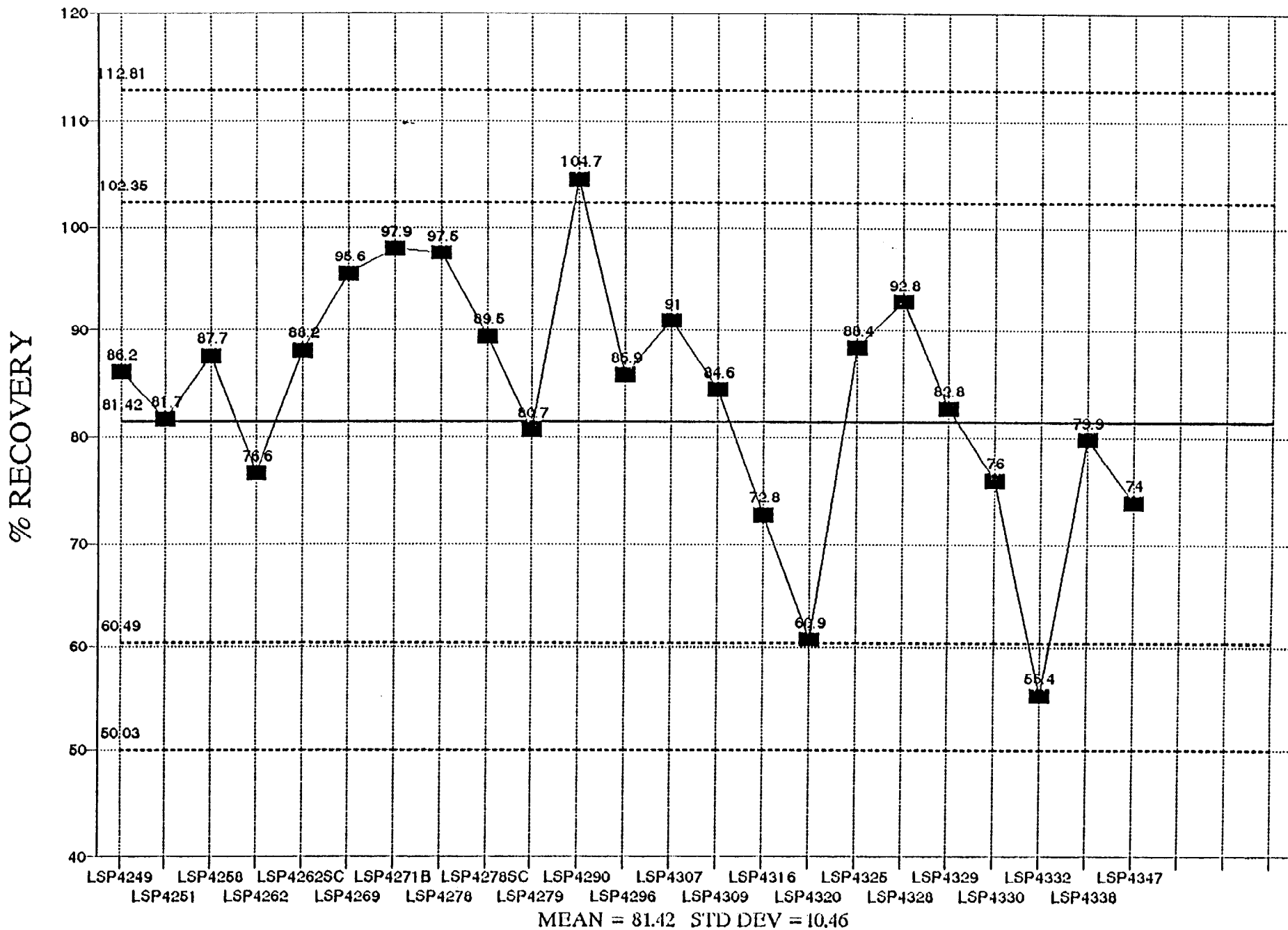
68000000

COMMERCIAL PEST. DE WATERS- ENDRIN
 SPK REC LIMITS SET4/95-PPCBCH\PEST2W94



COMMERCIAL PESTICIDE WATERS- HEPTACHLOR

SPK REC LIMITS SET4/95-PPCBCHTWPESTW394





OIIM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 00
Field Technical Service
Rev. 08/

144137

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME Camp Lejewie D.O. 62				PROJECT LOCATION Camp Lejewie, NC				ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	8080 MTH 44544										
PROJ. NO. 16866		PROJECT CONTACT Randy Smith		PROJECT TELEPHONE NO. (410) 451-1809		NUMBER OF CONTAINERS													
CLIENT'S REPRESENTATIVE				PROJECT MANAGER/SUPERVISOR Jim Dunn															
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED	REMARKS										
1	CLJ62-A35-005.1SC	6/29	1018		X	Sidewall of Excavation conf. Sample	1 8oz.	X	-1										
2	CLJ62-A35-010.1SC	6/29	1022		X	Sidewall of Excavation conf. Sample	1 8oz.	X	-2										
3	CLJ62-A35-005.1BC	6/29	1028		X	Base of Excavation conf. Sample	1 8oz.	X	-3										
4	CLJ62-A35-005.1BCD	6/29	1028		X	Base of Excavation conf. Sample	1 8oz.	X	-4										
5	CLJ62-A35-003.1BC	6/29	1404		X	Sample	1 8oz.	X	-5										
6	CLJ62-A35-008.1SC	6/29	1403		X	Sidewall of Excavation conf. Sample	1 8oz.	X	-6										
7	CLJ62-A35-RB	6/29	1410		X	Rinsate Blank	2 32oz.	X		Sample broken during shipment GNF/PACE/6/30/95 (E11)									
8	CLJ62-A35-FB	6/29	1413		X	Field Blank	2 32oz.	X	-7										
9																			
10																			

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
	1-8	<i>Baron R. Acan</i>	<i>Fed-Ex</i>	6/29		48 hr. T.A.T.
3			<i>Gretchen Francklin</i>	6/30/95	1015	
4						SAMPLER'S SIGNATURE <i>Baron R. Acan</i>

0000092

Final Page



REPORT OF LABORATORY ANALYSIS

August 2, 1995

OHM Remediation Services Corporation
5335 Triangle Parkway
Suite 450
Norcross, GA 30092

SAMPLE DELIVERY GROUP NARRATIVE

Case: OHMRC
SDG: LJN08
Laboratory: PACE New England - New Hampshire of Hampton, NH
Lab Numbers: 44626
Protocol: SW846 Method 8080. NEESA C deliverables. No diskette.

Sample Receipt: Samples were received at PACE, Inc. on July 13, 1995. Laboratory sample numbers were assigned for test parameters as listed on the Sample Table which follows this narrative. Sample shipments were checked for custody seal integrity and cooler temperature. Samples were checked for appropriate preservation and accuracy against the Chains-of-Custody provided. Other than the exceptions noted below, samples were received between 2-6° C and in good condition. PACE Sample Receipt Condition Reports can be found with the Chains-of-Custody.

Shipment received 7/13/95 (44626): Samples were received in one cooler. A temperature blank was not included with the shipment, therefore the cooler temperature could not be verified upon receipt of samples at PACE. Samples were received cool, and had been packed on ice. Sample QC for this SDG was selected by PACE for the sample designated "CLJ62-A3S-008.2SC". One of the liter bottles containing the rinsate blank "RB" was broken during sample shipment.

Pesticide/PCB Analysis: Laboratory control sample results for LSP4360 are plotted on a control chart which has limits that were established using low level solid extract results. The result for endrin is outside the control limits possibly due to the difference of the extraction. When enough data points are collected for the medium level solid extraction, a new control chart will be created with different acceptance limits. The sample 44626-3 for method 8080 analysis had high relative percent difference for endosulfan II and DDT in the matrix spike/spike duplicate. This was a probable matrix effect. The laboratory control sample "LSP4359" for method 8080 analysis had high recovery for the analyte alpha-BHC. This problem is currently under investigation.

Pesticide Analysis: The method calibration for pesticides had a high % difference for the following analytes:

<u>Result File</u>	<u>Compound</u>
G11H18511	4,4'-DDT - 40.5%
G1H18527	endrin aldehyde - 16.8%
G11H18527	Heptachlor - 21.9%
	4,4'-DDT - 36.8%
	Gamma-BHC - 16.7%
G1H18540	Beta-BHC - 16.3%
	4,4'-DDD - 19.2%
	endrin aldehyde - 16%
G11H18540	4,4'-DDT - 37.7%

These analytes were not quantitated against these standards. Sample data quality was unaffected.



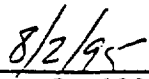
REPORT OF LABORATORY ANALYSIS

Statement of Compliancy and Data Authorization

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 his designee, as verified by the following signature.



PACE Incorporated, New England-New Hampshire



August 2, 1995



NEW ENGLAND - NEW HAMPSHIRE LABORATORY

44626

SAMPLE RECEIPT CONDITION REPORT

Tel. (603) 926-7777

FAX (603) 926-7939

PAGE 1 of 1

COOLER _____ of _____

COC# 144135 600 0117

SDG# LITNCT 8

CASE# 00MRC

CLIENT O.H.M. Corp.

DATE/TIME RECEIVED 7/13/95 1000

LIMS ENTRY BY [Signature]

DELIVERED BY Fed-Ex

TRANSCRIPTION REVIEW BY Gnt

RECEIVED BY [Signature]

LIMS REVIEW BY/PM Gnt

	NA	YES	EXCEPTION	COMMENT	RESOLUTION
1. CUSTODY SEALS PRESENT/INTACT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3. CHAIN OF CUSTODY SIGNED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4. CHAIN OF CUSTODY MATCHES SAMPLES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5. SAMPLES RECEIVED AT 2° - 6° C Ice/Ice Packs Present? <input checked="" type="checkbox"/> or N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No Temp Blank</u>	
6. VOLATILES FREE OF HEAD SPACE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. PROPER SAMPLE CONTAINERS AND VOLUME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9. SAMPLES WITHIN HOLD TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
10. SAMPLES PROPERLY PRESERVED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
ANALYTICAL PROGRAMS (circle one) <u>COMMERCIAL</u> CLP EPA-CLP NYASP NJ ISRA <u>NEESA</u> AFCEE Other _____					
12. NUMBER OF PACE FILTRATIONS:	_____				
13. CORRECTIVE ACTIONS REPORT #	_____				

Log-in Notes:

rec'd 1 jar - Resate Blank - Broken

CLIENT AUTHORIZATION SIGNATURE _____

DATE _____

SAMPLE TABLE

CLIENT ID.	MATRIX	PACE #	PARAMETERS
-----	-----	-----	-----
CLJ62-A3S-003.2BCD	SOLID	44626-001	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-003.2BC	SOLID	44626-002	PCBS ORGANOCHLORINE PESTICIDES
CLJ62-A3S-008.2SC *SQC*	SOLID	44626-003	PCBS ORGANOCHLORINE PESTICIDES
FB	WATER	44626-004	PCBS ORGANOCHLORINE PESTICIDES
RB	WATER	44626-005	PCBS ORGANOCHLORINE PESTICIDES

Laboratory number: 44626-001
 Sample Designation: CLJ62-A3S-003.2BCD
 Date Extracted: 07/13/95
 Date Analyzed: 07/14/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 16 % , elevating the reporting limits
 by a factor of 1.2 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	100
alpha-BHC	BDL	100
beta-BHC	BDL	100
gamma-BHC (Lindane)	BDL	100
delta-BHC	BDL	100
alpha-Chlordane	430	100
gamma-Chlordane	420	100
4,4'-DDT	220	200
4,4'-DDE	140	100
4,4'-DDD	600	200
Dieldrin	BDL	100
Endosulfan I	BDL	100
Endosulfan II	120 J	200
Endosulfan sulfate	BDL	200
Endrin	BDL	100
Endrin aldehyde	BDL	200
Heptachlor	BDL	100
Heptachlor Epoxide	BDL	100
PCB-1242 (Arochlor 1242)	BDL	1000
PCB-1254 (Arochlor 1254)	BDL	1000
PCB-1221 (Arochlor 1221)	BDL	1000
PCB-1232 (Arochlor 1232)	BDL	1000
PCB-1248 (Arochlor 1248)	BDL	1000
PCB-1260 (Arochlor 1260)	BDL	1000
PCB-1016 (Arochlor 1016)	BDL	1000
Toxaphene	BDL	5000
Endrin Ketone	BDL	200
Methoxychlor	BDL	1000

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44626-002
 Sample Designation: CLJ62-A3S-003.2BC
 Date Extracted: 07/13/95
 Date Analyzed: 07/14/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 14 % , elevating the reporting limits
 by a factor of 1.16 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	70
alpha-BHC	BDL	70
beta-BHC	BDL	70
gamma-BHC (Lindane)	BDL	70
delta-BHC	BDL	70
alpha-Chlordane	250	70
gamma-Chlordane	250	70
4,4'-DDT	140	100
4,4'-DDE	82	70
4,4'-DDD	280	100
Dieldrin	BDL	70
Endosulfan I	BDL	70
Endosulfan II	72	J 100
Endosulfan sulfate	BDL	100
Endrin	BDL	70
Endrin aldehyde	BDL	100
Heptachlor	BDL	70
Heptachlor Epoxide	BDL	70
PCB-1242 (Arochlor 1242)	BDL	700
PCB-1254 (Arochlor 1254)	BDL	700
PCB-1221 (Arochlor 1221)	BDL	700
PCB-1232 (Arochlor 1232)	BDL	700
PCB-1248 (Arochlor 1248)	BDL	700
PCB-1260 (Arochlor 1260)	BDL	700
PCB-1016 (Arochlor 1016)	BDL	700
Toxaphene	BDL	3000
Endrin Ketone	BDL	100
Methoxychlor	BDL	700

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44626-003
 Sample Designation: CLJ62-A3S-008.2SC
 Date Extracted: 07/13/95
 Date Analyzed: 07/14/95
 Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.
 Moisture content was 17 % , elevating the reporting limits
 by a factor of 1.21 .

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	REPORTING LIMIT (ug/Kg)
Aldrin	BDL	20
alpha-BHC	BDL	20
beta-BHC	BDL	20
gamma-BHC (Lindane)	BDL	20
delta-BHC	BDL	20
alpha-Chlordane	120	20
gamma-Chlordane	130	20
4,4'-DDT	100	50
4,4'-DDE	38	20
4,4'-DDD	160	50
Dieldrin	BDL	20
Endosulfan I	BDL	20
Endosulfan II	34 J	50
Endosulfan sulfate	BDL	50
Endrin	BDL	20
Endrin aldehyde	BDL	50
Heptachlor	BDL	20
Heptachlor Epoxide	BDL	20
PCB-1242 (Arochlor 1242)	BDL	200
PCB-1254 (Arochlor 1254)	BDL	200
PCB-1221 (Arochlor 1221)	BDL	200
PCB-1232 (Arochlor 1232)	BDL	200
PCB-1248 (Arochlor 1248)	BDL	200
PCB-1260 (Arochlor 1260)	BDL	200
PCB-1016 (Arochlor 1016)	BDL	200
Toxaphene	BDL	1000
Endrin Ketone	BDL	50
Methoxychlor	BDL	200

METHOD REFERENCE: EPA SW 846, 3rd Edition
 METHODS 3550 AND 8080

BDL = Below reporting limit
 J = Probable presence below listed detection limit

This sample required dilution to bring a high target analyte
 concentration into the calibration range.
 Detection limits were elevated accordingly.



Laboratory number: 44626-004
 Sample Designation: FB
 Date Extracted: 07/13/95
 Date Analyzed: 07/14/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

BDL = Below reporting limit



Laboratory number: 44626-005
 Sample Designation: RB
 Date Extracted: 07/13/95
 Date Analyzed: 07/14/95
 Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Aldrin	BDL	0.05
alpha-BHC	BDL	0.05
beta-BHC	BDL	0.05
gamma-BHC (Lindane)	BDL	0.05
delta-BHC	BDL	0.05
alpha-Chlordane	BDL	0.05
gamma-Chlordane	BDL	0.05
4,4'-DDT	BDL	0.1
4,4'-DDE	BDL	0.05
4,4'-DDD	BDL	0.1
Dieldrin	BDL	0.05
Endosulfan I	BDL	0.05
Endosulfan II	BDL	0.1
Endosulfan sulfate	BDL	0.1
Endrin	BDL	0.05
Endrin aldehyde	BDL	0.1
Heptachlor	BDL	0.05
Heptachlor Epoxide	BDL	0.05
PCB-1242 (Arochlor 1242)	BDL	0.5
PCB-1254 (Arochlor 1254)	BDL	0.5
PCB-1221 (Arochlor 1221)	BDL	0.5
PCB-1232 (Arochlor 1232)	BDL	0.5
PCB-1248 (Arochlor 1248)	BDL	0.5
PCB-1260 (Arochlor 1260)	BDL	0.5
PCB-1016 (Arochlor 1016)	BDL	0.5
Toxaphene	BDL	2
Endrin Ketone	BDL	0.1
Methoxychlor	BDL	0.5

METHOD REFERENCE: 40 CFR PART 136, FRIDAY, OCTOBER 26, 1984
 METHOD 608

BDL = Below reporting limit

Laboratory number: B-P4360
Sample Designation: LABORATORY BLANK
Date Analyzed: 07/14/95
Matrix: SOLID

Results are expressed on a dry (103 degrees C) basis.

PESTICIDES/PCB'S	CONCENTRATION (ug/Kg)	DETECTION LIMIT (ug/Kg)
ALDRIN	BDL	10
ALPHA-BHC	BDL	10
BETA-BHC	BDL	10
GAMMA-BHC	BDL	10
DELTA-BHC	BDL	10
ALPHA-CHLORDANE	BDL	10
GAMMA-CHLORDANE	BDL	10
4,4'-DDT	BDL	20
4,4'-DDE	BDL	10
4,4'-DDD	BDL	20
DIELDRIN	BDL	10
ENDOSULFAN I	BDL	10
ENDOSULFAN II	BDL	20
ENDOSULFAN SULFATE	BDL	20
ENDRIN	BDL	10
ENDRIN ALDEHYDE	BDL	20
HEPTACHLOR	BDL	10
HEPTACHLOR EPOXIDE	BDL	10
PCB-1242	BDL	100
PCB-1254	BDL	100
PCB-1221	BDL	100
PCB-1232	BDL	100
PCB-1248	BDL	100
PCB-1260	BDL	100
PCB-1016	BDL	100
TOXAPHENE	BDL	400
ENDRIN KETONE	BDL	20
METHOXYCHLOR	BDL	100

METHOD REFERENCE: EPA SW846, 3RD EDITION
METHODS 3550 AND 8080

BDL = Below detection limit

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44626-3 MS
 Sample Designation: CLJ62-A3S-008.2SC MS
 Date Analyzed: 07/17/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 1	
			ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	58.140	59.164	102
GAMMA-BHC	0	58.140	62.073	107
BETA-BHC	0	58.140	67.068	115
HEPTACHLOR	0	58.140	50.909	88
DELTA-BHC	0	58.140	66.814	115
ALDRIN	0	58.140	59.468	102
HEPTACHLOR EPOXIDE	0	58.140	63.853	110
4,4'-DDE	38	58.140	95.577	99
DIELDRIN	0	58.140	57.343	99
ENDRIN	0	58.140	64.653	111
4,4'-DDD	190	58.140	226.368	62.6
ENDOSULFAN II	44	58.140	52.753	15
4,4'-DDT	100	58.140	161.588	106
ENDRIN ALDEHYDE	0	58.140	59.910	103
ENDOSULFAN SULFATE	0	58.140	61.467	106
METHOXYCHLOR	0	581.400	529.812	91
ENDOSULFAN I	0	58.140	43.750	75

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

PESTICIDES/PCB'S

MATRIX SPIKE DUPLICATE RECOVERY

Laboratory Number: 44626-3 MSD
 Sample Designation: CLJ62-A3S-005.1BCD MSD
 Date Analyzed: 07/17/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	REPLICATE 2		REL. DIFF. %
			ug/Kg FOUND	%REC- OVERY	
ALPHA-BHC	0	59.100	56.852	96	6
GAMMA-BHC	0	59.100	58.777	99	7
BETA-BHC	0	59.100	70.053	118	3
HEPTACHLOR	0	59.100	52.419	89	1
DELTA-BHC	0	59.100	63.498	107	7
ALDRIN	0	59.100	59.882	101	1
HEPTACHLOR EPOXIDE	0	59.100	62.074	105	5
4,4'-DDE	38	59.100	99.527	104	5
DIELDRIN	0	59.100	59.782	101	3
ENDRIN	0	59.100	61.032	103	7
4,4'-DDD	190	59.100	236.803	79	23
ENDOSULFAN II	44	59.100	74.198	51	109
4,4'-DDT	100	59.100	132.018	54	65
ENDRIN ALDEHYDE	0	59.100	57.584	97	6
ENDOSULFAN SULFATE	0	59.100	60.654	103	3
METHOXYCHLOR	0	591.100	535.305	91	1
ENDOSULFAN I	0	59.100	44.979	76	1

NC = not calculable due to high dilution

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080



PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LSP4360
 Sample Designation: LABORATORY CONTROL SAMPLE
 Date Analyzed: 07/14/95
 Matrix: SOLID

COMPOUND	ug/Kg SAMPLE	ug/Kg SPIKE	ug/Kg FOUND	%REC- OVERY
ALPHA-BHC	0	50.000	48.768	97
GAMMA-BHC	0	50.000	51.485	103
BETA-BHC	0	50.000	52.363	105
HEPTACHLOR	0	50.000	44.272	88
DELTA-BHC	0	50.000	54.782	110
ALDRIN	0	50.000	47.720	95
HEPTACHLOR EPOXIDE	0	50.000	50.990	102
4,4'-DDE	0	50.000	50.358	101
DIELDRIN	0	50.000	46.490	93
ENDRIN	0	50.000	48.546	97
4,4'-DDD	0	50.000	48.380	97
ENDOSULFAN II	0	50.000	41.774	83
4,4'-DDT	0	50.000	47.241	94
ENDRIN ALDEHYDE	0	50.000	49.141	98
ENDOSULFAN SULFATE	0	50.000	49.989	100
METHOXYCHLOR	0	500.000	448.350	90
ENDOSULFAN I	0	50.000	34.919	70

METHOD REFERENCE: EPA SW 846, 3RD EDITION
 METHOD 8080

Laboratory number: B-P4359
Sample Designation: LABORATORY BLANK
Date Analyzed: 07/14/95
Matrix: WATER

PESTICIDES/PCB'S	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ALDRIN	BDL	0.05
ALPHA-BHC	BDL	0.05
BETA-BHC	BDL	0.05
GAMMA-BHC	BDL	0.05
DELTA-BHC	BDL	0.05
ALPHA-CHLORDANE	BDL	0.05
GAMMA-CHLORDANE	BDL	0.05
4,4'-DDT	BDL	0.5
4,4'-DDE	BDL	0.1
4,4'-DDD	BDL	0.05
DIELDRIN	BDL	0.1
ENDOSULFAN I	BDL	0.05
ENDOSULFAN II	BDL	0.05
ENDOSULFAN SULFATE	BDL	0.1
ENDRIN	BDL	0.05
ENDRIN ALDEHYDE	BDL	0.1
HEPTACHLOR	BDL	0.05
HEPTACHLOR EPOXIDE	BDL	0.05
PCB-1242	BDL	0.5
PCB-1254	BDL	0.5
PCB-1221	BDL	0.5
PCB-1232	BDL	0.5
PCB-1248	BDL	0.5
PCB-1260	BDL	0.5
PCB-1016	BDL	0.5
TOXAPHENE	BDL	2
ENDRIN KETONE	BDL	0.1
METHOXYCHLOR	BDL	0.5

METHOD REFERENCE: EPA SW 846, 3RD EDITION
METHODS 8080

BDL = Below detection limit

PESTICIDES/PCB'S
MATRIX SPIKE RECOVERY

Laboratory Number: LS-P4359
Sample Designation: LABORATORY CONTROL SAMPLES
Date Analyzed: 07/14/95
Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	ug/L FOUND	%REC- OVERY
ALPHA-BHC	0	0.250	0.239	95
GAMMA-BHC	0	0.250	0.241	96
BETA-BHC	0	0.250	0.251	100
HEPTACHLOR	0	0.250	0.223	89
DELTA-BHC	0	0.250	0.241	97
ALDRIN	0	0.250	0.237	95
HEPTACHLOR EPOXIDE	0	0.250	0.241	96
4,4'-DDE	0	0.250	0.251	100
DIELDRIN	0	0.250	0.232	93
ENDRIN	0	0.250	0.246	98
4,4'-DDD	0	0.250	0.203	81
ENDOSULFAN II	0	0.250	0.208	83
4,4'-DDT	0	0.250	0.243	97
ENDRIN ALDEHYDE	0	0.250	0.268	107
ENDOSULFAN SULFATE	0	0.250	0.253	101
METHOXYCHLOR	0	2.500	2.233	89
ENDOSULFAN I	0	0.250	0.179	72

METHOD REFERENCE: EPA SW 846, 3rd Edition
METHOD 8080

PACE INCORPORATED
Organics Extraction
SOLIDS PREP LOG

PROTOCOL: EPA SW846

LOG BOOK NO: 2

SOP #: QAS542

METHOD: SCNC/3550

MATRIX: SOLID

TEST / LEVEL: PEST/PC9 / MED

COUNT	DATE/INIT	BLANK/SPIKES SAMPLE #	INIT WT (g)	SURR # AMT/CONC.	LCS MS/MSD	SPIKE # AMT/CONC.	NA2SO4 (g)	INTER VOL (ml)	ALIQOT VOL (ml)	FINAL VOL (ml)
-	RAL	SP4360	5.0	E1359	LSP4360	N/A	10.0	10.0	1.0	1.0
-	7/13/95	LSP4360	5.0	0.5ml ③	4454141	E1356				
③ RAL 7/13/95	91	44626-1	5.14	20 ppm	44626-3ms/msd	N/A				
102		-2	5.13							
103		-3	5.02							
-		-3ms	5.20			E1356 250ml				
-		-3msd	5.12			1+10ppm				
<p>RAL 7/13/95</p>										

sent
7/14
RAL

COMMENTS: _____

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PEST135.MTH
Method created: 07/10/95 09:11:57
Method updated: 07/10/95 09:27:12

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H18425.RES
Level 2 /DATA/GC01/RESULT/G1H18426.RES
Level 3 /DATA/GC01/RESULT/G1H18427.RES
Level 4 /DATA/GC01/RESULT/G1H18428.RES
Level 5 /DATA/GC01/RESULT/G1H18429.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	6.23	TCX	.99964	-3045.27	1165245.20	-610074.00
2	8.27	ALPHA-BHC	.99998	57.06	680434.12	16611218.0
3	9.53	GAMMA-BHC	.99996	-59.39	726948.50	12507734.0
4	9.80	BETA-BHC	.99993	57.90	555004.50	2859300.50
	10.82	HEPTACHLOR	.99971	-11.81	807813.25	6793776.00
6	11.00	DELTA-BHC	.99991	103.63	584014.25	13165130.0
7	11.93	ALDRIN	.99994	-79.87	676450.62	6699056.00
8	13.80	HEPTACHLOR EPOXIDE	1.0000	58.17	744671.13	5233103.00
9	14.46	GAMMA-CHLORDANE	.99979	-46.72	765839.25	4725387.00
10	15.01	ALPHA-CHLORDANE/ENDOSULFA	.99986	-351.95	669737.13	1863696.00
11	15.81	4,4'-DDE	.99967	-405.79	646985.37	3734872.50
12	16.06	DIELDRIN	.99961	-588.55	685722.12	3258350.50
13	17.22	ENDRIN	.99955	-421.40	607760.37	2856377.00
14	17.70	4,4'-DDD	.99988	-396.93	459433.31	2562708.50
15	17.86	ENDOSULFAN II	.99977	-427.30	713463.38	1906601.70
16	18.75	4,4'-DDT	.99944	-518.72	574399.37	2485306.00
17	18.90	ENDRIN ALDEHYDE	.99999	-95.77	607461.00	812511.25
18	19.44	ENDOSULFAN SULFATE	.99995	-170.59	610866.12	1768340.00
19	21.68	METHOXYCHLOR	.99993	-91.88	383172.44	-5187.91
20	22.02	ENDRIN KETONE	.99979	-526.69	603319.12	1767394.20
21	29.95	DCB	.99996	225.84	474143.31	-128777.39

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

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| INITIAL CALIBRATION SUMMARY |
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for /DATA/GC11/METHOD/PEST135.MTH
Method created: 07/10/95 09:28:13
Method updated: 07/10/95 09:44:47

Result files used for Calibration data
Level 1 /DATA/GC11/RESULT/G11H18425.ES
Level 2 /DATA/GC11/RESULT/G11H18426.ES
Level 3 /DATA/GC11/RESULT/G11H18427.ES
Level 4 /DATA/GC11/RESULT/G11H18428.ES
Level 5 /DATA/GC11/RESULT/G11H18429.ES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.67	TCX	.9910	-2142.50	1229150.50	-340269.69
2	8.21	ALPHA-BHC	.9969	-300.63	778904.75	15950726.0
3	9.46	GAMMA-BHC	.9901	-959.35	1007106.80	6732934.00
4	10.09	HEPTACHLOR	.9922	-133.98	913398.37	5260652.00
	10.93	ALDRIN	.9935	51.71	714448.75	8021932.00
6	11.78	BETA-BHC	.9912	-44.64	578125.25	2548556.00
7	12.54	DELTA-BHC	.9998	29.09	589650.37	11326420.0
8	13.17	HEPTACHLOR EPOXIDE	.9990	52.37	814044.50	4747984.00
9	14.04	ENDOSULFAN I	.9996	41.04	742325.12	5353928.00
10	14.19	GAMMA-CHLORDANE	.9957	-141.94	852539.37	4192529.00
11	14.43	ALPHA-CHLORDANE	.9972	-8.31	846866.50	3979530.50
12	14.68	4,4'-DDE	.9941	-634.86	687256.50	3595733.50
13	15.22	DIELDRIN	.9926	-971.10	811711.87	2741727.00
14	15.91	ENDRIN	.9934	-436.00	677684.12	2540834.50
15	17.23	4,4'-DDD	.9954	-798.45	595702.75	1770506.70
16	17.46	ENDOSULFAN II	.9977	-766.96	801088.12	906646.13
17	17.77	4,4'-DDT	.9994	-284.96	357473.94	2511118.50
18	18.80	ENDRIN ALDEHYDE	.9989	-195.42	369859.38	491104.31
19	19.83	METHOXYCHLOR/ENDO SULFATE	.9936	-1604.55	415298.50	-26121.84
20	21.16	ENDRIN KETONE	.9969	-654.88	639809.50	1154399.50
21	25.48	DCB	.9994	473.71	531268.38	-200667.97

$$R = B0 + B1X + B2X^2$$

PACE, Incorporated

INITIAL CALIBRATION SUMMARY

for /DATA/GC01/METHOD/PCB1254061.MTH
Method created: 07/10/95 11:34:46
Method updated: 07/10/95 11:46:16

Result files used for Calibration data:
Level 1 /DATA/GC01/RESULT/G1H18442.RES
Level 2 /DATA/GC01/RESULT/G1H18443.RES
Level 3 /DATA/GC01/RESULT/G1H18444.RES
Level 4 /DATA/GC01/RESULT/G1H18445.RES
Level 5 /DATA/GC01/RESULT/G1H18446.RES

#	Time	Analyte	Correlation	B ₀ Intercept	B ₁ Slope	B ₂ Quadratic
1	6.22	TCX	.99975	-2118.47	1208035.20	-261551.88
2	14.63	AR1254	.99993	459.84	42570.08	-3746.04
3	16.31	AR1254	.99997	89.84	62747.68	-3178.23
4	16.86	AR1254	.99996	120.89	47909.13	-2484.63
	17.39	AR1254	.99994	85.99	27669.30	-1828.23
6	18.77	AR1254	1.0000	78.02	46248.08	-2265.94
7	29.93	DCB	.99998	379.58	532440.63	-212310.97

$$R = B_0 + B_1X + B_2X^2$$

PACE, Incorporated

+-----+
| INITIAL CALIBRATION SUMMARY |
+-----+

for /DATA/GC11/METHOD/PCB1254061.MTH
Method created: 07/10/95 11:47:54
Method updated: 07/10/95 12:00:50

Result files used for Calibration data:
Level 1 /DATA/GC11/RESULT/G11H18442.RES
Level 2 /DATA/GC11/RESULT/G11H18443.RES
Level 3 /DATA/GC11/RESULT/G11H18444.RES
Level 4 /DATA/GC11/RESULT/G11H18445.RES
Level 5 /DATA/GC11/RESULT/G11H18446.RES

#	Time	Analyte	Correlation	B0 Intercept	B1 Slope	B2 Quadratic
1	5.66	TCX	.99998	-1375.25	1389871.30	-542869.50
2	13.54	AR1254	.99973	638.03	45235.29	-3217.74
3	15.03	AR1254	.99995	-54.90	66577.02	-3129.65
^	15.56	AR1254	.99999	81.62	29935.57	-1397.37
	15.79	AR1254	.99993	-65.86	45797.32	-1736.65
6	16.90	AR1254	1.0000	-5.08	24192.25	895.58
7	25.46	DCB	.99998	670.95	567200.88	-219084.13

$$R = B0 + B1X + B2X^2$$

/DATA/GC01/RESULT/G1H18511.RES
/DATA/GC01/METHOD/PEST135.MTH

Sample: IND2AB P8688
Injected: Thu Jul 13, 1995 4:29:18 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.23	TCX	.104	.100	3.7	103.7
8.27	ALPHA-BHC	.020	.020	2.1	102.1
9.53	GAMMA-BHC	.021	.020	4.0	104.0
9.80	BETA-BHC	.021	.020	2.5	102.5
10.81	HEPTACHLOR	.019	.020	4.9	95.1
11.00	DELTA-BHC	.021	.020	3.3	103.3
11.92	ALDRIN	.020	.020	2.4	102.4
13.80	HEPTACHLOR EPOXIDE	.021	.020	3.4	103.4
14.45	GAMMA-CHLORDANE	.020	.020	1.8	101.8
15.00	ALPHA-CHLORDANE/ENDOSULFAN I	.041	.040	3.2	103.2
15.80	4,4'-DDE	.043	.040	7.0	107.0
16.04	DIELDRIN	.041	.040	1.6	101.6
17.21	ENDRIN	.041	.040	1.9	101.9
17.69	4,4'-DDD	.043	.040	8.5	108.5
17.85	ENDOSULFAN II	.042	.040	4.6	104.6
18.74	4,4'-DDT	.042	.040	3.9	103.9
18.89	ENDRIN ALDEHYDE	.043	.040	8.4	108.4
19.43	ENDOSULFAN SULFATE	.043	.040	6.7	106.7
21.67	METHOXYCHLOR	.202	.200	1.2	101.2
22.01	ENDRIN KETONE	.042	.040	6.1	106.1
29.94	OCB	.105	.100	5.1	105.1

/DATA/GC11/RESULT/G11H18511.RES
/DATA/GC11/METHOD/PEST135.MTH

Sample: IND2AB P8688
Injected: Thu Jul 13, 1995 4:29:18 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.65	TCX	.104	.100	3.5	103.5
8.20	ALPHA-BHC	.022	.020	11.0	111.0
9.44	GAMMA-BHC	.020	.020	1.8	101.8
10.07	HEPTACHLOR	.022	.020	11.7	111.7
10.92	ALDRIN	.021	.020	4.2	104.2
11.77	BETA-BHC	.022	.020	9.3	109.3
12.53	DELTA-BHC	.022	.020	9.6	109.6
13.16	HEPTACHLOR EPOXIDE	.020	.020	2.3	102.3
14.03	ENDOSULFAN I	.021	.020	4.1	104.1
14.17	GAMMA-CHLORDANE	.020	.020	1.2	101.2
14.43	ALPHA-CHLORDANE	.021	.020	2.8	102.8
14.67	4,4'-DDE	.042	.040	5.1	105.1
15.21	DIELDRIN	.040	.040	.3	100.3
15.90	ENDRIN	.041	.040	2.6	102.6
17.21	4,4'-DDD	.038	.040	5.6	94.4
17.45	ENDOSULFAN II	.039	.040	2.1	97.9
17.76	4,4'-DDT	.056	.040	40.5X	140.5
18.78	ENDRIN ALDEHYDE	.042	.040	5.9	105.9
19.82	METHOXYCHLOR/ENDO SULFATE	.269	.240	12.2	112.2
21.15	ENDRIN KETONE	.043	.040	7.3	107.3
25.47	DCB	.110	.100	9.7	109.7

/DATA/GC01/RESULT/G1H18514.RES
/DATA/GC01/METHOD/PCB1254061.MTH

Sample: AR1254 0.5PPM P8687
Injected: Thu Jul 13, 1995 6:19:14 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.21	TCX	.100	.100	.3	100.3
14.61	AR1254	.492	.500	1.6	98.4
16.30	AR1254	.487	.500	2.5	97.5
16.85	AR1254	.496	.500	.9	99.1
17.37	AR1254	.486	.500	2.9	97.1
18.76	AR1254	.482	.500	3.7	96.3
29.92	DCB	.095	.100	5.1	94.9

/DATA/GC11/RESULT/G11H18514.RES
/DATA/GC11/METHOD/PCB1254061.MTH

Sample: AR1254 0.5PPM P8687
Injected: Thu Jul 13, 1995 6:19:14 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.66	TCX	.097	.100	2.6	97.4
13.53	AR1254	.525	.500	5.0	105.0
15.02	AR1254	.476	.500	4.9	95.1
15.54	AR1254	.493	.500	1.4	98.6
15.79	AR1254	.481	.500	3.7	96.3
16.90	AR1254	.497	.500	.6	99.4
25.47	DCB	.104	.100	3.6	103.6

PACE, Incorporated
Continuing Calibration Report

Fri Jul 14, 1995 1:52:22 pm

/DATA/GC01/RESULT/G1H18527.RES
/DATA/GC01/METHOD/PEST135A.MTH

Sample: IND2AB P8688
Injected: Fri Jul 14, 1995 11:47:22 am

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.109	.100	8.8	108.8
8.22	ALPHA-BHC	.021	.020	3.5	103.5
9.48	GAMMA-BHC	.022	.020	11.2	111.2
9.75	BETA-BHC	.022	.020	10.3	110.3
10.76	HEPTACHLOR	.021	.020	3.7	103.7
10.94	DELTA-BHC	.022	.020	11.6	111.6
11.86	ALDRIN	.022	.020	10.8	110.8
13.74	HEPTACHLOR EPOXIDE	.022	.020	10.5	110.5
14.39	GAMMA-CHLORDANE	.022	.020	9.6	109.6
14.94	ALPHA-CHLORDANE/ENDOSULFAN I	.044	.040	10.0	110.0
15.75	4,4'-DDE	.043	.040	8.2	108.2
15.99	DIELDRIN	.042	.040	6.1	106.1
17.15	ENDRIN	.042	.040	3.8	103.8
17.64	4,4'-DDD	.044	.040	11.1	111.1
17.79	ENDOSULFAN II	.043	.040	8.5	108.5
18.69	4,4'-DDT	.042	.040	5.6	105.6
18.83	ENDRIN ALDEHYDE	.047	.040	16.8	116.8
19.38	ENDOSULFAN SULFATE	.044	.040	9.2	109.2
21.61	METHOXYCHLOR	.209	.200	4.3	104.3
21.94	ENDRIN KETONE	.044	.040	9.7	109.7
29.81	DCB	.108	.100	8.4	108.4

PACE, Incorporated
Continuing Calibration Report

Fri Jul 14, 1995 1:48:50 pm

/DATA/GC11/RESULT/G11H18527.RES
/DATA/GC11/METHOD/PEST135A.MTH

Sample: IND2AB P8688
Injected: Fri Jul 14, 1995 11:47:22 am

RetTime	Analyte	Found	Nominal	%D	Recovery
5.61	TCX	.120	.100	20.3	120.3 ✓
8.15	ALPHA-BHC	.021	.020	5.1	105.1
9.40	GAMMA-BHC	.023	.020	16.7 X	116.7
10.03	HEPTACHLOR	.024	.020	21.9	121.9 ✓
10.87	ALDRIN	.023	.020	13.1	113.1
11.73	BETA-BHC	.022	.020	11.7	111.7
12.48	DELTA-BHC	.021	.020	6.0	106.0
13.11	HEPTACHLOR EPOXIDE	.022	.020	9.9	109.9
13.99	ENDOSULFAN I	.021	.020	3.5	103.5
14.13	GAMMA-CHLORDANE	.022	.020	9.6	109.6
14.38	ALPHA-CHLORDANE	.022	.020	8.5	108.5
14.63	4,4'-DDE	.043	.040	8.1	108.1
15.16	DIELDRIN	.043	.040	7.7	107.7
15.85	ENDRIN	.041	.040	3.0	103.0
17.17	4,4'-DDD	.044	.040	10.3	110.3
17.40	ENDOSULFAN II	.042	.040	4.9	104.9
17.72	4,4'-DDT	.055	.040	36.8	136.8 ✓
18.74	ENDRIN ALDEHYDE	.046	.040	15.0	115.0
19.78	METHOXYCHLOR/ENDO SULFATE	.283	.240	17.8	117.8
21.10	ENDRIN KETONE	.046	.040	13.8	113.8
25.40	DCB	.116	.100	15.6	115.6 ✓

/DATA/GC01/RESULT/G1H18534.RES
/DATA/GC01/METHOD/PCB1660026.MTH

Sample: AR1660 0.5PPM P8693
Injected: Fri Jul 14, 1995 5:22:04 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.14	TCX	.103	.100	3.3	103.3
7.95	AR1016	.527	.500	5.5	105.5
9.32	AR1016	.534	.500	6.8	106.8
10.64	AR1016	.545	.500	8.9	108.9
11.14	AR1016	.565	.500	13.0	113.0
12.76	AR1016	.532	.500	6.4	106.4
17.29	AR1260	.514	.500	2.8	102.8
20.01	AR1260	.496	.500	.9	99.1
20.63	AR1260	.530	.500	5.9	105.9
22.36	AR1260	.503	.500	.7	100.7
25.07	AR1260	.490	.500	1.9	98.1
29.70	DCB	.100	.100	.3	99.7

/DATA/GC11/RESULT/G11H18534.RES
/DATA/GC11/METHOD/PCB1660026.MTH

Sample: AR1660 0.5PPM P8693
Injected: Fri Jul 14, 1995 5:22:04 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.59	TCX	.107	.100	7.5	107.5
7.10	AR1016	.555	.500	11.1	111.1
8.27	AR1016	.540	.500	7.9	107.9
9.66	AR1016	.541	.500	8.2	108.2
10.10	AR1016	.539	.500	7.8	107.8
10.75	AR1016	.541	.500	8.3	108.3
15.46	AR1260	.513	.500	2.7	102.7
16.17	AR1260	.538	.500	7.5	107.5
17.30	AR1260	.512	.500	2.3	102.3
19.41	AR1260	.525	.500	5.0	105.0
20.60	AR1260	.499	.500	.1	99.9
25.32	DCB	.109	.100	9.0	109.0

PACE, Incorporated
Continuing Calibration Report

Mon Jul 17, 1995 1:18:41 pm

/DATA/GC01/RESULT/G1H18540.RES
/DATA/GC01/METHOD/PEST135A.MTH

Sample: IND 2AB P8688
Injected: Mon Jul 17, 1995 12:18:09 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
6.20	TCX	.115	.100	15.0	115.0
8.21	ALPHA-BHC	.022	.020	9.6	109.6
9.47	GAMMA-BHC	.023	.020	15.3	115.3
9.74	BETA-BHC	.023	.020	16.3	116.3
10.75	HEPTACHLOR	.019	.020	4.5	95.5
10.93	DELTA-BHC	.023	.020	14.0	114.0
11.85	ALDRIN	.022	.020	9.6	109.6
13.73	HEPTACHLOR EPOXIDE	.022	.020	11.6	111.6
14.38	GAMMA-CHLORDANE	.022	.020	9.6	109.6
14.93	ALPHA-CHLORDANE/ENDOSULFAN I	.045	.040	13.2	113.2
15.74	4,4'-DDE	.045	.040	12.1	112.1
15.98	DIELDRIN	.043	.040	6.4	106.4
17.14	ENDRIN	.043	.040	6.4	106.4
17.63	4,4'-DDD	.048	.040	19.2	119.2
17.78	ENDOSULFAN II	.045	.040	12.2	112.2
18.68	4,4'-DDT	.042	.040	3.9	103.9
18.83	ENDRIN ALDEHYDE	.046	.040	16.0	116.0
19.37	ENDOSULFAN SULFATE	.044	.040	10.4	110.4
21.61	METHOXYCHLOR	.201	.200	.3	100.3
21.94	ENDRIN KETONE	.045	.040	12.0	112.0
29.81	DCB	.108	.100	8.0	108.0

PACE, Incorporated
Continuing Calibration Report

Mon Jul 17, 1995 1:08:04 pm

/DATA/GC11/RESULT/G11H18540.RES
/DATA/GC11/METHOD/PEST135A.MTH

Sample: IND 2AB P8688
Injected: Mon Jul 17, 1995 12:18:09 pm

RetTime	Analyte	Found	Nominal	%D	Recovery
5.60	TCX	.130	.100	30.0	130.0
8.14	ALPHA-BHC	.023	.020	12.8	112.8
9.39	GAMMA-BHC	.022	.020	10.0	110.0
10.02	HEPTACHLOR	.022	.020	9.8	109.8
10.86	ALDRIN	.023	.020	15.1	115.1
11.72	BETA-BHC	.021	.020	4.7	104.7
12.47	DELTA-BHC	.022	.020	12.3	112.3
13.10	HEPTACHLOR EPOXIDE	.022	.020	10.5	110.5
13.97	ENDOSULFAN I	.022	.020	8.1	108.1
14.12	GAMMA-CHLORDANE	.021	.020	4.4	104.4
14.37	ALPHA-CHLORDANE	.023	.020	12.6	112.6
14.62	4,4'-DDE	.042	.040	3.9	103.9
15.16	DIELDRIN	.041	.040	3.2	103.2
15.84	ENDRIN	.040	.040	1.0	101.0
17.17	4,4'-DDD	.046	.040	14.3	114.3
17.40	ENDOSULFAN II	.044	.040	9.7	109.7
17.71	4,4'-DDT	.055	.040	37.7	137.7
18.73	ENDRIN ALDEHYDE	.045	.040	13.5	113.5
19.78	METHOXYCHLOR/ENDO SULFATE	.265	.240	10.4	110.4
21.10	ENDRIN KETONE	.046	.040	14.1	114.1
25.40	DCB	.113	.100	12.6	112.6

PACE, INCORPORATED
GC Instrument Run Log

000058

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

Date	init	result file	Sample	MI	V	Method	column	Sequence
7/6/95	PL	61/1118412	44495-19 1PP-W	N	Y	heat 134	112/110	61/110706
		413	-20					
		414	-21					
		415	44438-3 red sch		N			
		416	44438-4 red OIL					
		417	IND 2AB P8688 DOT & lean					
		418	Mech Test BK110		Y			
		419	Hexane Test J11273		Y			
		420	Hexane Test 953038		Y			
7/7/95		Rinse injector with Mech ₂ Hexane Nylon and Mech ₁ changed "Y" connector Septa. liner and pre-column ducts high breakdown (Kamin)						
			Sig ₁ : 3# Sig ₂ : 2#					
7/7/95	HS	61/1118421	Hex Testing Baseline	N	N	heat 134	112/110	61/110706
		422	P1361C					61/110706
		423	AR1242 0.5ppm P8687					
7/7/95	HS	61/1118424	EVAL Mix P856	N	Y	heat 135	112/110	61/110707
		425	IND 0.5AB P8677					
		426	IND 1AB P8678					
		427	IND 2AB P8688					
		428	IND 3AB P8679					
		429	IND 5AB P8680					
		430	TOXAPH 0.5ppm P857					
		431	0.5ppm Tech Chloride P8696			chloro 010		
		432	AR1242 0.05ppm P8487	N	Y	PUB 1248057		
		433	AR1242 0.2ppm P8489					
		434	AR1242 0.5ppm P8685					
		435	AR1242 1.0ppm P8491					
		436	AR1242 2.0ppm P8492					
		437	AR1248 0.05ppm P8493			PUB 1248057		
		438	AR1248 0.2ppm P8494					
		439	AR1248 0.5ppm P8496					

PACE, INCORPORATED
GC Instrument Run Log

0000059

Circle one:
CLP/PHC/OPP/HERB/P-P

viewed by _____ Date _____

Date	init	result file	Sample	MI	v	Method	column	Sequence
7/1/95	183	G1/1111846	AR1248 1.0 ppm p8497	N	Y	P81248054	112/110	G1/110707
		441	AR1248 2.0 ppm p8498					
		442	AR1254 0.05 ppm p8499		Y	P81254068		
		443	AR1254 0.2 ppm p8501					
		444	AR1254 0.5 ppm p8687					
		445	AR1254 1.0 ppm p8503					
		446	AR1254 2.0 ppm p8804					
		447	AR1660 0.05 ppm p8505		Y	P81660016		
		448	AR1660 0.2 ppm p8507					
		449	AR1660 0.5 ppm p8493					
		450	AR1660 1.0 ppm p8509					
		451	AR1660 2.0 ppm p8510					
		452	AR124 0.05 ppm p8483					
		453	AR132 0.05 ppm p8485					
		454	BP4356 P/p-5		↓	heat135		
		455	IND2AB p8688	N	N			
		456	AR1254 p8687					
		457	LSP4356 P/p-5		↓			
		458	IND2AB p8688	N	Y	heat135		
		459	AR1254 p8687			IND24061		
		460	LSP4356 P/p-5		↓	heat135		
		461	44544-5RE P/p-5		N			
		462	-6RE ↓		Y			
		463	BP4345 P/p-MS					
		464	LSP4345 P/p-MS					
		465	44544-5RE 1:20					
		466	-6RE 1:50					
		467	44438-3 P/p-5 Dilution		N			
		468	-4 ↓ 1:5 ↓		↓			
		469	-4MSI ↓ 1:5		Y			
		470	IND2AB p8688 01: 2 out 11: 3 out	N	Y	not used out ↓ DOD out		

PACE, INCORPORATED
GC Instrument Run Log

0000062

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB/P-P

Date	init	result file	Sample	MI	V	Method	column	Sequence
7/1/95	HS	G1/1118500	INDZAS testing	N	N	next 135	112/110	S.S.
		501						
		502						
		503						
7/13/95	HS	G1/1118504	INDZAS p8688		Y	next 135	112/110	S.S.
		505	LSP4343 P/p-S					G1/110712
		506	LSP4347 P/p-W					
		507	44544-4MS P/p-S 1:5					
		508	-4MSD ↓					
		509	LSP4322 REX P/p-S					
		510	44438-4MSDI 1:5					
7/13/95	HS	G1/1118511	INDZAS p8688		Y	next 135	112/110	G1/110713
		512	AR1242 0.5ppm p8685		*	↓		NC
		513	AR1248 0.5ppm p8680		*	↓		NC
		514	AR1244 0.5ppm p8682			PC61254061		
		515	AR1660 0.5ppm p8693		*	PC61660026		NC
		516	LSP4353 P/p-W			next 135		
		517	44438-3 ENSAFE 1:2 P/S					
		518	-4 ↓ 1:20 P/S					
		519	Bp4385 P/p-S LTN07					
		520	LSP4385 P/p-S LTN07					
		521	44529-4 P/p-W					
		522	44626-4 P/p-W LTN07					
		523	-5 ↓					
		524	44626-1 P/p-S LTN07 dilution	N	N			
		525	-2 ↓					
		526	-3 ↓					
		527	INDZAS p8688		Y	next 135A		
		528	44626-1 P/p-S LTN07 1:10					
		529	-2 ↓ 1:5					
		530	-3 ↓ 1:2					

PACE, INCORPORATED
GC Instrument Run Log

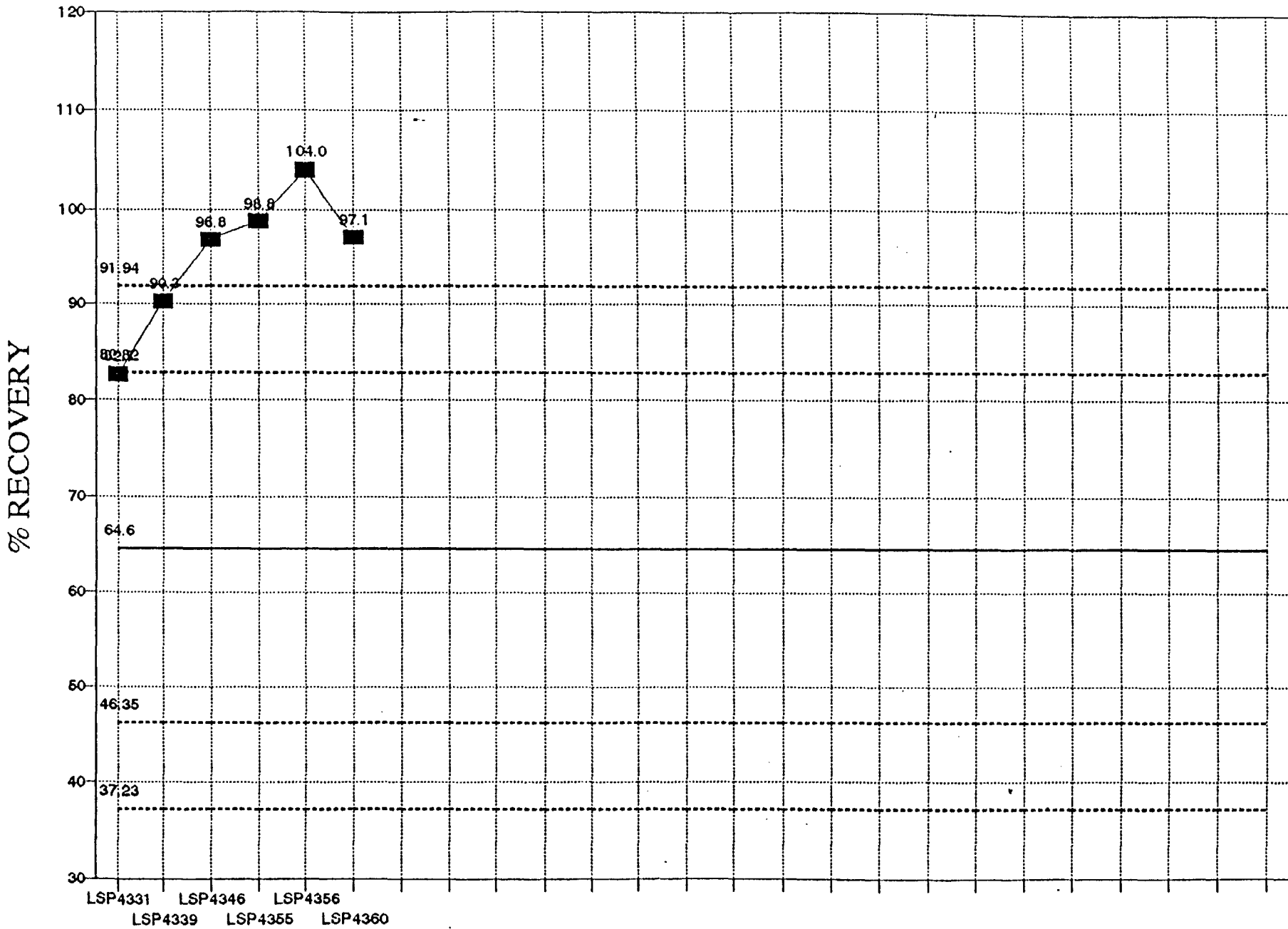
0000063

Reviewed by _____ Date _____

Circle one:
CLP/PHC/OPP/HERB(P-P)

Date	init	result file	Sample	MI	v	Method	column	Sequence
7/14/95	PL	6/11/118531	AR 1242 0.5ppm P8685 NC	N	Y*	pent 135	112/110	6/11/10714
		532	1248 P8686			"		
		533	1254 P8687			PCB12540004 K 7/11/95 0261		
		534	1660 P8693 ^{01.0K} _{4.0K}			PCB16600260 pent 135 K 7/11/95 0261		
		535	BP4359 PIP-W	N	Y			
		536	LSP4359 "					
		537	BP4360 PIP-S					
		538	LSP4360 "					
7/17/95	PL	PC	44626-3MS PIP-M-S					
		7/19/95 E12	44626-3MSD					
		Auto sampler faulted - didn't remove vial from turret						
		Third day in a row with auto-sampler fault.						
		Performed 10 samples x 4ins/vial - disabled + no syringe						
		no error.						
		Sisam 1-17 sisam 2-19						
7/17/95	HS	6/11/118539	IN02AS	N	N	pent 135A	112/110	6/11/10714
		540	↓	N	Y			
		541	44626-3MS PP-MS			pent 135A		
		542	-3MSD ↓			pent 135A		
		543	AR1242 0.5ppm P8685 NC		Y*			
		544	AR1248 0.5ppm P8686 ↓					
		545	AR1254 0.5ppm P8687 ^{11/12} ₁₄₅		Y	PCB12540004		
		546	AR1660 0.5ppm P8693 ^{01.0K} _{4.0K}		Y	PCB16600260		
		547	LSP4362 PCB-S		Y	PCB12540004		
		548	BP4361 PCB-MS					
		549	LSP4361 PCB-MS					
		550	44593-3 PCB-MS Shell 07/17					
		551	44608-2 RANSOM 07/19 PCB-S			PCB16600260		
		552	-7 ↓					
		553	44621-21 TEWK 07/21	N	N	pent 135A		
		554	-22					

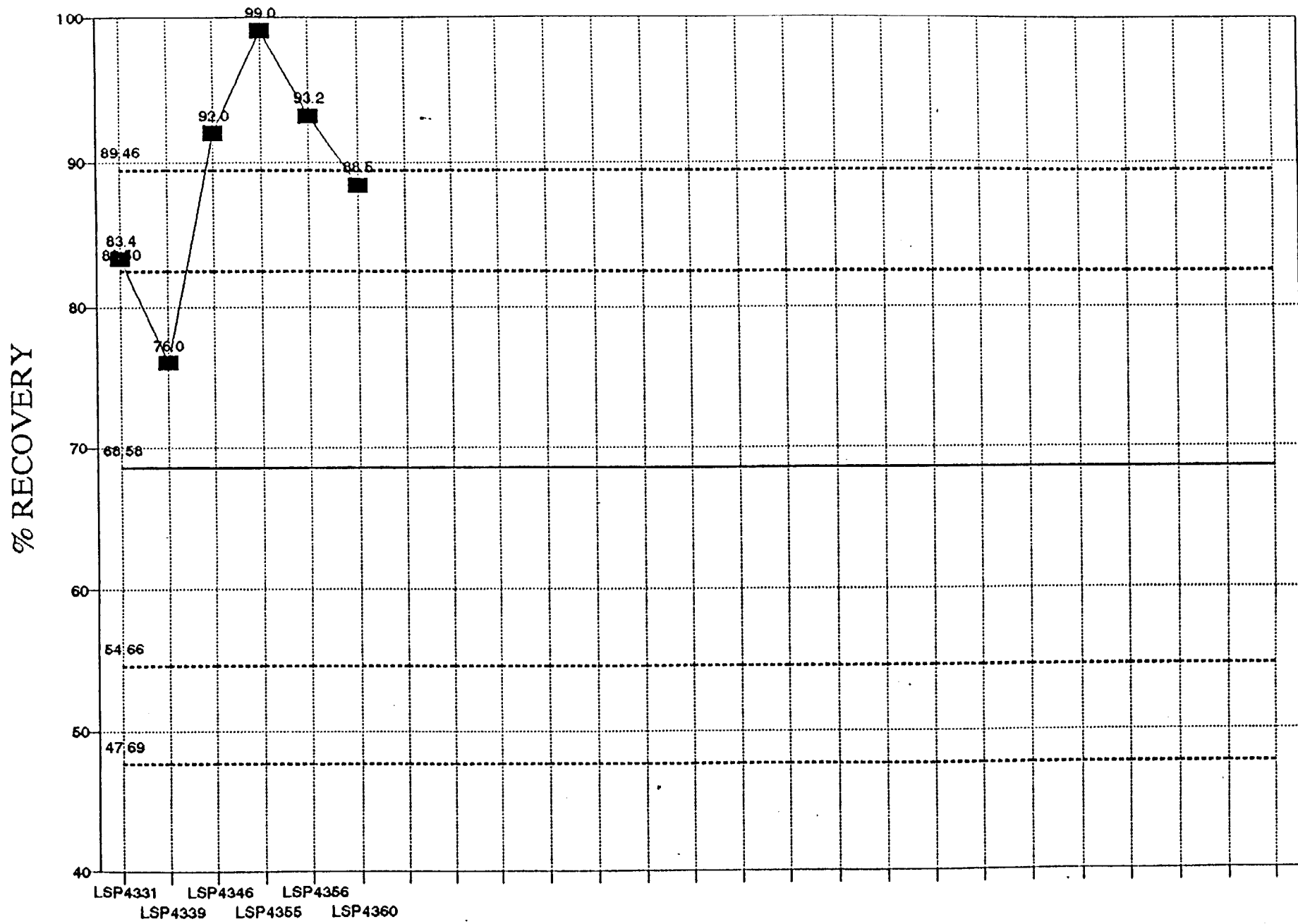
COMM. P/P-MED. SOLIDS - ENDRIN
SPKREC LIMITS SET6/95-PPCBCHT/PPMSE695



MEAN = 64.59 STD DEV = 9.12

00000038

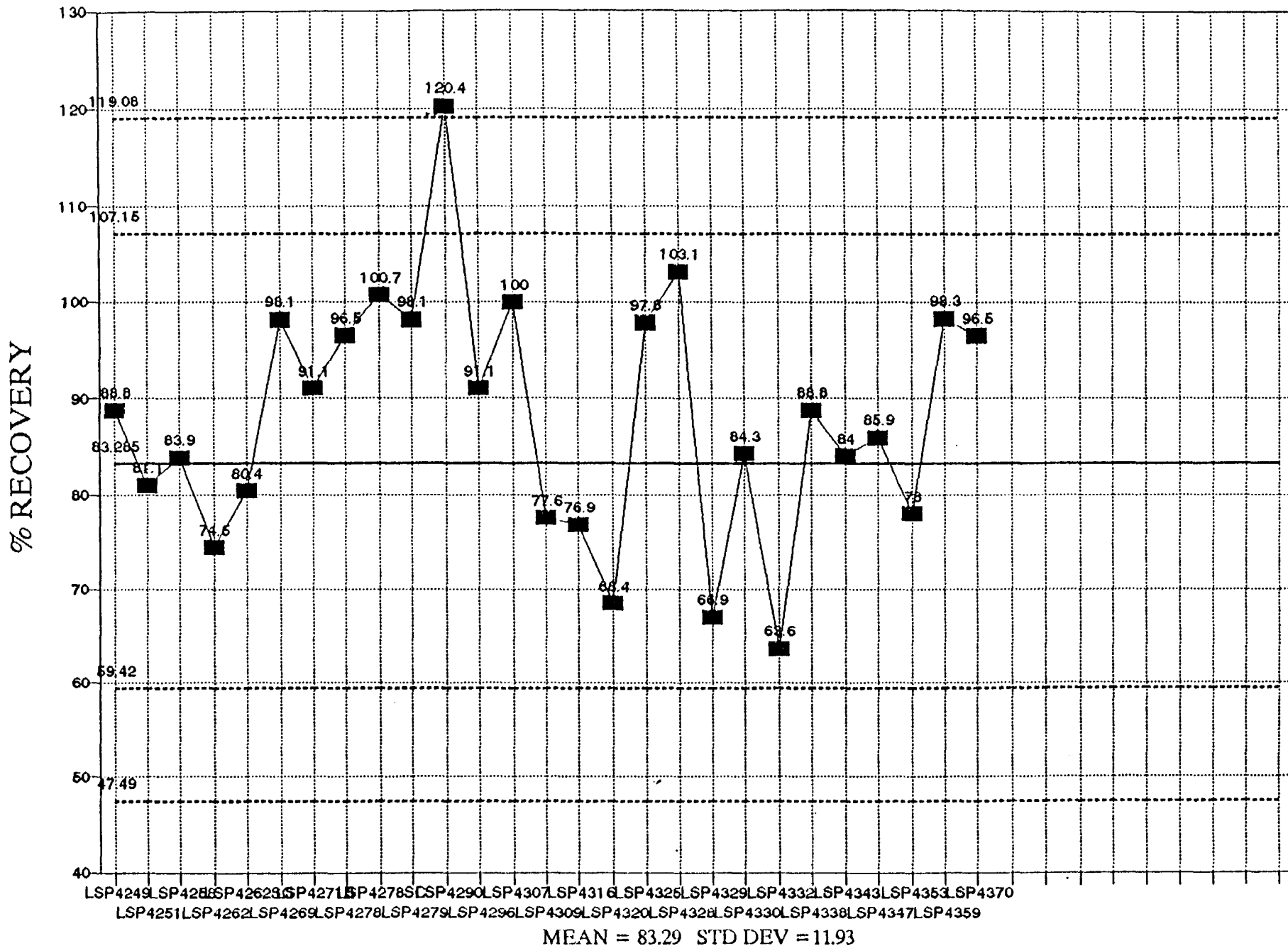
COMM. P/P-MED. SOLIDS - HEPTACHLOR
SPK REC LIMITS SET6/95-PPCBCHT\PPMSH695



0000039

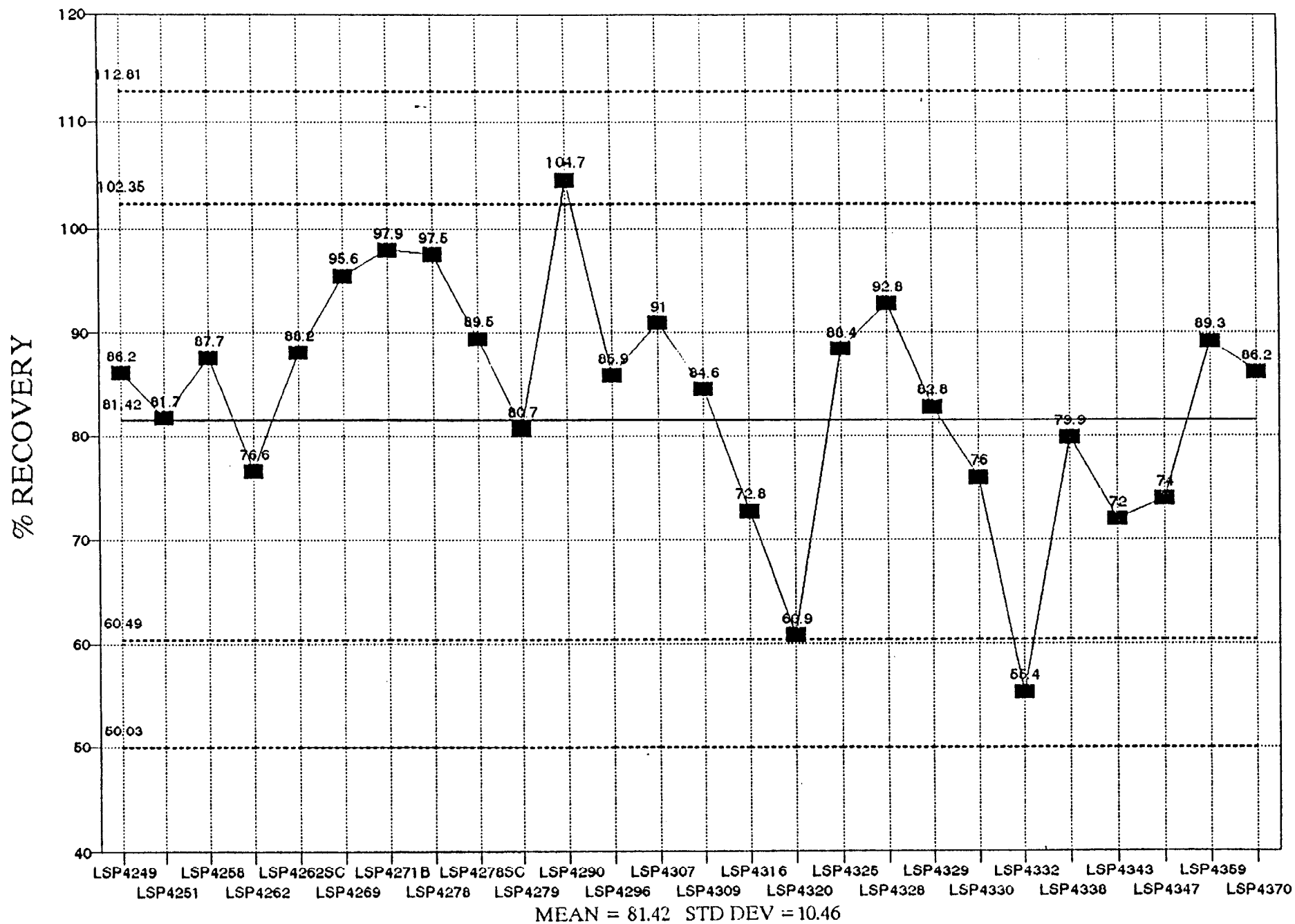
COMMERCIAL PESTICIDE WATERS- ENDRIN

SPK REC LIMITS SET4/95-PPCBCHTPEST2W94



COMMERCIAL PESTICIDE WATERS- HEPTACHLOR

SPK REC LIMITS SET4/95-PPCBCHT\PESTW394





OHM Corporation

CHAIN-OF-CUSTODY RECORD

LAB COPY

Form 0019
Field Technical Services
Rev. 08/89

144135

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>Camp Lejeune DOGZ</i>		PROJECT LOCATION <i>Camp Lejeune, N.C</i>				ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	<i>5050</i> <i>Page # 44626</i> REMARKS														
PROJ. NO. <i>16966</i>	PROJECT CONTACT <i>Randy Smith</i>	PROJECT TELEPHONE NO. <i>(910) 451-2590</i>																			
CLIENT'S REPRESENTATIVE <i>VANN Marshburn</i>		PROJECT MANAGER/SUPERVISOR <i>Jim Dunn</i>																			
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS														
1	<i>CLJG2-A35 003.2 BCD</i>	<i>7/12</i>	<i>13:00</i>		<input checked="" type="checkbox"/>	<i>Sample of base in Area 1 3 C Duplicate</i>	<i>1 8oz</i>	<input checked="" type="checkbox"/>	<i>-1</i>												
2	<i>CLJG2-A35 003.2 BC</i>	<i>7/12</i>	<i>13:00</i>		<input checked="" type="checkbox"/>	<i>Sample of base in Area 3</i>	<i>1 8oz</i>	<input checked="" type="checkbox"/>	<i>-2</i>												
3	<i>CLJG2-A35 008.25C</i>	<i>7/12</i>	<i>13:05</i>		<input checked="" type="checkbox"/>	<i>Sample of Sidewalk in Area 3</i>	<i>1 8oz</i>	<input checked="" type="checkbox"/>	<i>-3</i>												
4	<i>FB</i>	<i>7/12</i>	<i>12:45</i>		<input checked="" type="checkbox"/>	<i>Field Blank</i>	<i>3 32oz</i>	<input checked="" type="checkbox"/>	<i>-4</i>												
5	<i>RB</i>	<i>7/12</i>	<i>13:20</i>		<input checked="" type="checkbox"/>	<i>Alternate Blank</i>	<i>3 32oz</i>	<input checked="" type="checkbox"/>	<i>-5</i>												
6																					
7																					
8																					
9																					
10																					

Final Page

0000042

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	<i>175</i>	<i>Randy Smith</i>	<i>Fred-X</i>	<i>7/12</i>	<i>1500</i>	<i>48h TAT</i>
2			<i>St Lawrence Hagan</i>	<i>7/13/85</i>	<i>1000</i>	
3						
4						

SAMPLER'S SIGNATURE
Randy Smith #5855