AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been broken down into sections.

EDMC#:	0023286
SECTION:	2 OF 2
DOCUMENT #:	WHC-MR-0299
TITLE:	Data Validation Report 4th Quarter GW Chemical Analysis 1100-EM-1 OU Phase I RI

APPENDIX E

CHLORINATED HERBICIDE ANALYSIS REPORTS

NatEx Laboratories, Inc.
Pacific Northwest Environmental Laboratory, Inc.

WHC-MR- 0299

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOOB45	BOOB49	BOOD04	BOOD23
PNELI Sample ID	2795-01	2795-04	2797-01	2797-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-28-90	11-28-90	11-29-90	11-29-90
Date Sample Extracted	12-03-90	12-03-90	12-04-90	12-04-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	50 U	51 U	49 U	51 U
2,4,5-TP (Silvex)	5.0 U	5.1 U	4.8 U	5.1 U
Surrogate				
% 2,4-DB	59	41	47	6

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOOB53	BOOB57	BOOD27	BOOD31
PNELI Sample ID	2797-07	2797-10	2803-01	2803-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-29-90	11-29-90	11-30-90	11-30-90
Date Sample Extracted	12-04-90	12-04-90	12-04-90	12-04-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	54 U	54 U	50 U	50 U
2,4,5-TP (Silvex)	5.4 U	5.4 U	5.0 U	5.0 U
Surrogate				
% 2,4-DB	12	20	46	38

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Pacific Northwest Environmental Laboratory, Inc.

HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOOD35	BOOD42	BOOD62	BOOD46
PNELI Sample ID	2803-07	2803-10	2807-01	2807-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-30-90	11-30-90	12-01-90	12-01-90
Date Sample Extracted	12-04-90	12-04-90	12-05-90	12-05-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	50 U	56 U	54 U	54 U
2,4,5-TP (Silvex)	5.0 U	5.6 U	5.4 U	5.4 U
Surrogate				
% 2,4-DB	58	6	49	25

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOOD54	BOOD50	BOOD58	BOOD66
PNELI Sample ID	2807-07	2807-10	2807-13	2812-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-01-90	12-01-90	12-01-90	12-05-90
Date Sample Extracted	12-05-90	12-05-90	12-05-90	12-10-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	53 U	52 U	53 U	55 U
2,4,5-TP (Silvex)	5.3 U	5.2 U	5.3 U	5.5 U
Surrogate				
% 2,4-DB	13	10	27	33

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOOD70	BOOD74	BOOD78	BOOD82
PNELI Sample ID	2812-04	2812-07	2812-10	2812-13
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-05-90	12-05-90	12-05-90	12-05-90
Date Sample Extracted	12-10-90	12-10-90	12-10-90	12-10-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	52 U	57 U	57 U	53 U
2,4,5-TP (Silvex)	5.2 U	5.7 U	5.7 U	5.3 U
Surrogate				
% 2,4-DB	35	35	66	8

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOODF5	BOOD89	BOODG4	BOODK3
PNELI Sample ID	2818-01	2818-04	2818-07	2822-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-06-90	12-06-90	12-06-90	12-07-90
Date Sample Extracted	12-11-90	12-11-90	12-11-90	12-11-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	52 U	51 U	54 U	51 U
2,4,5-TP (Silvex)	5.2 U	5.1 U	5.4 U	5.1 U
Surrogate				
% 2,4-DB	53	70	18	32

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	Blank	Blank	Blank	Blank
PNELI Sample ID	2795-MB	2797/2803-MB	2807-MB	2812-MB
Sample Matrix	Water	Water	Water	Water
Date Sample Received	NA	NA	NA	NA
Date Sample Extracted	12-03-90	12-04-90	12-05-90	12-10-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	50 U	50 U	50 U	50 U
2,4,5-TP (Silvex)	5.0 U	5.0 U	5.0 U	5.0 U
Surrogate				
% 2,4-DB	44	55	2	46

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	Blank
PNELI Sample ID	2818/2822-MB
Sample Matrix	Water
Date Sample Received	NA
Date Sample Extracted	12-11-90
Date Sample Analyzed	12-17-90
Units of Measure	µg/ℓ

Compounds	
2,4-D	50 U
2,4,5-TP (Silvex)	5.0 U

Surrogate	
% 2,4-DB	17

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HERBICIDE ANALYSIS DATA SHEET

Client Sample ID	BOOB45MS	BOOB45MSD	BOOD62MS	BOOD62MSD
PNELI Sample ID	2795-01MS	2795-01MSD	2807-01MS	2807-01MSD
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-28-90	11-28-90	12-01-90	12-01-90
Date Sample Extracted	12-03-90	12-03-90	12-05-90	12-05-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	µg/ℓ	µg/ℓ	µg/ℓ	µg/ℓ
Compounds				
2,4-D	48 U	48 U	52 U	54 U
2,4,5-TP (Silvex)	4.8 U	4.8 U	5.2 U	5.4 U
Surrogate				
% 2,4-DB	15	37	47	41

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GC SPIKE RECOVERY DATA

Client Sample ID:	BOOB45	**PNELI Sample ID:**	2795-01
Sample Matrix:	Water	**Date Sample Received:**	11-28-90
Units of Measure:	µg/ℓ	**Date Sample Analyzed:**	12-17-90

MATRIX SPIKE

Compound	Sample Conc.	MS Conc.	MS Spike Level	Percent Recovery
2,4-D	0	0.603	9.52	6.33
Silvex	0	0.468	1.90	24.6

MATRIX SPIKE DUPLICATE

Compound	Sample Conc.	MSD Conc.	MSD Spike Level	Percent Recovery	RPD
2,4-D	0	1.31	9.52	13.8	74.2
Silvex	0	1.27	1.90	66.8	92.3

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GC SPIKE RECOVERY DATA

Client Sample ID:	BOOD62	**PNELI Sample ID:**	2807-01
Sample Matrix:	Water	**Date Sample Received:**	12-01-90
Units of Measure:	µg/ℓ	**Date Sample Analyzed:**	12-17-90

MATRIX SPIKE

Compound	Sample Conc.	MS Conc.	MS Spike Level	Percent Recovery
2,4-D	0	2.04	10.3	19.8
Silvex	0	1.48	2.06	71.8

MATRIX SPIKE DUPLICATE

Compound	Sample Conc.	MSD Conc.	MSD Spike Level	Percent Recovery	RPD
2,4-D	0	1.84	10.9	16.9	15.8
Silvex	0	1.44	2.17	66.4	7.81

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APPENDIX D

ORGANOCHLORINE PESTICIDE AND PCB REPORTS

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00845

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00845

Matrix: (soil/water) WATER Lab Sample ID: 2795-01

Sample wt/vol: 975.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/05/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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EPA SAMPLE NO.

B00B49

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2795-04

Sample wt/vol: 975.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2797-01

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D23

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2797-04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.51	U
5103-74-2	gamma-Chlordane	0.51	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.51	U
11104-28-2	Aroclor-1221	0.51	U
11141-16-5	Aroclor-1232	0.51	U
53469-21-9	Aroclor-1242	0.51	U
12672-29-6	Aroclor-1248	0.51	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D23MS

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2797-04MS

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

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D23MSD

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2797-04MSD

Sample wt/vol: 920.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.51	U
5103-74-2	gamma-Chlordane	0.51	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.51	U
11104-28-2	Aroclor-1221	0.51	U
11141-16-5	Aroclor-1232	0.51	U
53469-21-9	Aroclor-1242	0.51	U
12672-29-6	Aroclor-1248	0.51	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00853

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00845

Matrix: (soil/water) WATER Lab Sample ID: 2797-07

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

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

1D WHC-MR- 0299

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00557

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00845

Matrix: (soil/water) WATER Lab Sample ID: 2797-10

Sample wt/vol: 925.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.054	U
319-85-7	beta-BHC	0.054	U
319-86-8	delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.54	U
5103-74-2	gamma-Chlordane	0.54	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.54	U
11104-28-2	Aroclor-1221	0.54	U
11141-16-5	Aroclor-1232	0.54	U
53469-21-9	Aroclor-1242	0.54	U
12672-29-6	Aroclor-1248	0.54	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

WHC-MR- 0299

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200D27

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2803-01

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

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.30	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D31

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2803-04

Sample wt/vol: 975.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D35

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2803-07

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.51	U
5103-74-2	gamma-Chlordane	0.51	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.51	U
11104-28-2	Aroclor-1221	0.51	U
11141-16-5	Aroclor-1232	0.51	U
53469-21-9	Aroclor-1242	0.51	U
12672-29-6	Aroclor-1248	0.51	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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EPA SAMPLE NO.

300048

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2503-10

Sample wt/vol: 920.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.054	U
319-85-7	beta-BHC	0.054	U
319-86-8	delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.54	U
5103-74-2	gamma-Chlordane	0.54	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.54	U
11104-28-2	Aroclor-1221	0.54	U
11141-16-5	Aroclor-1232	0.54	U
53469-21-9	Aroclor-1242	0.54	U
12672-29-6	Aroclor-1248	0.54	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D60

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2803-13

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/06/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.51	U
5103-74-2	gamma-Chlordane	0.51	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.51	U
11104-28-2	Aroclor-1221	0.51	U
11141-16-5	Aroclor-1232	0.51	U
53469-21-9	Aroclor-1242	0.51	U
12672-29-6	Aroclor-1248	0.51	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D62

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix: (soil/water) WATER Lab Sample ID: 2807-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.056	U
319-85-7	beta-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

B

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D46

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix: (soil/water) WATER Lab Sample ID: 2807-04

Sample wt/vol: 920.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.054	U
319-85-7	beta-BHC	0.054	U
319-86-8	delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.54	U
5103-74-2	gamma-Chlordane	0.54	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.54	U
11104-28-2	Aroclor-1221	0.54	U
11141-16-5	Aroclor-1232	0.54	U
53469-21-9	Aroclor-1242	0.54	U
12672-29-6	Aroclor-1248	0.54	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D46MS

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix: (soil/water) WATER Lab Sample ID: 2807-04MS

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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WHC-MR- 0299

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D46MSD

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix: (soil/water) WATER Lab Sample ID: 2807-04MSD

Sample wt/vol: 990.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix: (soil/water) WATER Lab Sample ID: 2807-07

Sample wt/vol: 1010 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.099	U
72-55-9	4,4'-DDE	0.099	U
72-20-8	Endrin	0.099	U
33213-65-9	Endosulfan II	0.099	U
72-54-8	4,4'-DDD	0.099	U
1031-07-8	Endosulfan sulfate	0.099	U
50-29-3	4,4'-DDT	0.099	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.099	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	0.99	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.99	U
11096-82-5	Aroclor-1260	0.99	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D50

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix: (soil/water) WATER Lab Sample ID: 2807-10

Sample wt/vol: 990.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

WHC-MR- 0299

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOD58

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: BOOD62

Matrix: (soil/water) WATER Lab Sample ID: 2807-13

Sample wt/vol: 960.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

B00D66

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2812-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.056	U
319-85-7	beta-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D70

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2812-04

Sample wt/vol: 960.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D74

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2812-07

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D78

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2812-10

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D82

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2812-13

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOODF5

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: BOOD66

Matrix: (soil/water) WATER Lab Sample ID: 2818-01

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.51	U
5103-74-2	gamma-Chlordane	0.51	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.51	U
11104-28-2	Aroclor-1221	0.51	U
11141-16-5	Aroclor-1232	0.51	U
53469-21-9	Aroclor-1242	0.51	U
12672-29-6	Aroclor-1248	0.51	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D89

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2818-04

Sample wt/vol: 975.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DG4

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2818-07

Sample wt/vol: 985.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.51	U
5103-74-2	gamma-Chlordane	0.51	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.51	U
11104-28-2	Aroclor-1221	0.51	U
11141-16-5	Aroclor-1232	0.51	U
53469-21-9	Aroclor-1242	0.51	U
12672-29-6	Aroclor-1248	0.51	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

D30

WHC-MR- 0299

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DK3

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Matrix: (soil/water) WATER Lab Sample ID: 2822-01

Sample wt/vol: 950.0 (g/mL) ML Lab File ID:

Level: (low/med) LOW Date Received: 12/07/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

000249

D31

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
01	PBLK01	100	0
02	B00B45	99	0
03	B00B49	107	0
04	B00B53	110	0
05	B00B57	118	0
06	B00D04	88	0
07	B00D23	115	0
08	B00D27	91	0
09	B00D31	97	0
10	B00D35	98	0
11	B00D42	99	0
12	B00D60	94	0
13	B00D23MS	115	0
14	B00D23MSD	117	0

ADVISORY QC LIMITS

S1 (DBC) = Dibutlychlorendate (24-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

BBB WHC-MR- 0299 2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: BOOD62

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
01	PBLK01	82	0
02	BOOD46	84	0
03	BOOD50	93	0
04	BOOD54	88	0
05	BOOD58	91	0
06	BOOD62	85	0
07	BOOD46MS	84	0
08	BOOD46MSD	92	0

ADVISORY QC LIMITS

S1 (DBC) = Dibutylchlorendate (24-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II PEST-1

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2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
01	PBLK01	116	0
02	B00D66	123	0
03	B00D70	91	0
04	B00D74	122	0
05	B00D78	119	0
06	B00D82	124	0
07	B00D89	118	0
08	B00DF5	114	0
09	B00DG4	118	0
10	B00DK3	132	0

ADVISORY QC LIMITS

S1 (DBC) = Dibutlychlorendate (24-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

D34

BBB WHC-MR- 0299 3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix Spike - EPA Sample No.: B00D23

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.200	0	0.245	122	56-123
Heptachlor	0.200	0	0.228	114	40-131
Aldrin	0.200	0	0.222	111	40-120
Dieldrin	0.500	0	0.558	112	52-126
Endrin	0.500	0	0.554	111	56-121
4,4'-DDT	0.500	0	0.545	109	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.204	0.243	119	2	15	56-123
Heptachlor	0.204	0.231	113	1	20	40-131
Aldrin	0.204	0.224	110	1	22	40-120
Dieldrin	0.510	0.554	109	3	18	52-126
Endrin	0.510	0.572	112	-1	21	56-121
4,4'-DDT	0.510	0.562	110	-1	27	38-127

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

* Values outside of QC limits

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

COMMENTS:

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Matrix Spike - EPA Sample No.: B00D46

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.210	0	0.195	93	56-123
Heptachlor	0.210	0	0.184	88	40-131
Aldrin	0.210	0	0.162	77	40-120
Dieldrin	0.525	0	0.485	92	52-126
Endrin	0.525	0	0.481	92	56-121
4,4'-DDT	0.525	0	0.535	102	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.202	0.181	90	3	15	56-123
Heptachlor	0.202	0.172	85	3	20	40-131
Aldrin	0.202	0.145	72	7	22	40-120
Dieldrin	0.505	0.446	88	4	18	52-126
Endrin	0.505	0.448	89	3	21	56-121
4,4'-DDT	0.505	0.481	95	7	27	38-127

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

* Values outside of QC limits

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

COMMENTS:

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PESTICIDE METHOD BLANK SUMMARY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Lab Sample ID: 2795-MB Lab File ID:

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

Date Extracted: 12/02/90 Extraction:(SepF/Cont/Sonc) CONT

Date Analyzed (1): 12/05/90 Date Analyzed (2): 12/05/90

Time Analyzed (1): 2231 Time Analyzed (2): 2308

Instrument ID (1): GCNA Instrument ID (2): GCNB

GC Column ID (1): SP2100 GC Column ID (2): 22502401

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	B00B45	2795-01	12/05/90	12/06/90
02	B00B49	2795-04	12/06/90	12/06/90
03	B00B53	2797-07	12/06/90	12/06/90
04	B00B57	2797-10	12/06/90	12/06/90
05	B00D04	2797-01	12/06/90	12/06/90
06	B00D23	2797-04	12/06/90	12/06/90
07	B00D27	2803-01	12/06/90	12/06/90
08	B00D31	2803-04	12/06/90	12/06/90
09	B00D35	2803-07	12/06/90	12/06/90
10	B00D42	2803-10	12/06/90	12/06/90
11	B00D60	2803-13	12/06/90	12/07/90
12	B00D23MS	2797-04MS	12/06/90	12/06/90
13	B00D23MSD	2797-04MSD	12/06/90	12/06/90

COMMENTS:

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PESTICIDE METHOD BLANK SUMMARY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: B00D62

Lab Sample ID: 2807-MB Lab File ID:

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

Date Extracted: 12/05/90 Extraction:(SepF/Cont/Sonc) CONT

Date Analyzed (1): 12/11/90 Date Analyzed (2): 12/11/90

Time Analyzed (1): 1711 Time Analyzed (2): 1748

Instrument ID (1): GCNA Instrument ID (2): GCNB

GC Column ID (1): SP2100 GC Column ID (2): 22502401

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	B00D46	2807-04	12/11/90	12/11/90
02	B00D50	2807-10	12/11/90	12/11/90
03	B00D54	2807-07	12/11/90	12/11/90
04	B00D58	2807-13	12/11/90	12/11/90
05	B00D62	2807-01	12/11/90	12/11/90
06	B00D46MS	2807-04MS	12/11/90	12/11/90
07	B00D46MSD	2807-04MSD	12/11/90	12/11/90

COMMENTS:

BBBBB

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PESTICIDE METHOD BLANK SUMMARY

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: B00D66

Lab Sample ID: 2812-MB Lab File ID:

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

Date Extracted: 12/07/90 Extraction:(SepF/Cont/Sonc) CONT

Date Analyzed (1): 12/12/90 Date Analyzed (2): 12/12/90

Time Analyzed (1): 1733 Time Analyzed (2): 1810

Instrument ID (1): GCNA Instrument ID (2): GCNB

GC Column ID (1): SP2100 GC Column ID (2): 22502401

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	B00D66	2812-01	12/12/90	12/12/90
02	B00D70	2812-04	12/12/90	12/12/90
03	B00D74	2812-07	12/12/90	12/12/90
04	B00D78	2812-10	12/12/90	12/12/90
05	B00D82	2812-13	12/12/90	12/13/90
06	B00D89	2818-04	12/12/90	12/12/90
07	B00DF5	2818-01	12/12/90	12/12/90
08	B00DG4	2818-07	12/12/90	12/12/90
09	B00DK3	2822-01	12/12/90	12/12/90

COMMENTS:

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: B00B45

Matrix: (soil/water) WATER Lab Sample ID: 2795-MB

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

Level: (low/med) LOW Date Received:

% Moisture: not dec. dec. Date Extracted: 12/02/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/05/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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WHC MR- 0299

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2807 SAS No.: SDG No.: BQOD62

Matrix: (soil/water) WATER Lab Sample ID: 2807-MB

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

Level: (low/med) LOW Date Received:

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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D41

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

PBLK01

Lab Name: PNELI Contract:

Lab Code: PNELI Case No.: 2812 SAS No.: SDG No.: BOOD66

Matrix: (soil/water) WATER Lab Sample ID: 2812-MB

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

Level: (low/med) LOW Date Received:

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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APPENDIX F

TOTAL METALS, CYANIDE AND DISSOLVED METALS REPORTS

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F2

WHC-MR- 0299

ENVIROFORMS/INORGANIC GLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79501

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2795-01

Level (low/med): LOW Date Received: 11/28/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.3	B		F
7440-39-3	Barium	107	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	40.8	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	23500			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8720			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	31700			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	M 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B45.

000261

FORM I - IN

F3

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79504

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2795-04

Level (low/med): LOW Date Received: 11/28/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.2	B		F
7440-39-3	Barium	93.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	99000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	44.6	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	22000			P
7439-96-5	Manganese	7.9	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8340			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29700			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	M 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B49.

000262

FORM I - IN

F4

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79701

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2797-01

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	159	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	8.6	B		F
7440-39-3	Barium	50.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	54000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	184			P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	13900			P
7439-96-5	Manganese	19.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	5370			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19800			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	12.6	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	X 1/4/91 JWM	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D04.

000263

FORM I - IN

9 2 1 2 6 5 9 1 8 5 0

FS

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79704

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2797-04

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.2	B		F
7440-39-3	Barium	60.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	18500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	4790	B		P
7439-96-5	Manganese	139			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4150	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19000			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	X 1/4/91 JMR	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D23.

000264

FORM I - IN

F6

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79707

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2797-07

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.1	B		F
7440-39-3	Barium	87.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	79.7	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	23400			P
7439-96-5	Manganese	98.2			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8710			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	30900			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/4/91	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B53.

000265

FORM I - IN

F7

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79710

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2797-10

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.8	B		F
7440-39-3	Barium	74.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	80600			P
7440-47-3	Chromium	15.9			P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	77.7	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	18000			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	7460			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	26300			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	12.6	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/4/91 JMR	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B57.

000266

FORM I - IN

F8

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80301

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2803-01

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	355			P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	3.3	B		F
7440-39-3	Barium	91.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	33000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	667			P
7439-92-1	Lead	3.4			F
7439-95-4	Magnesium	21100			P
7439-96-5	Manganese	22.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8320			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	30400			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D27.

000267

FORM I - IN

F9

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80304

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2803-04

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	112	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	3.7	B	W	F
7440-39-3	Barium	87.2	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	92500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	243			P
7439-92-1	Lead	3.0	U	W	F
7439-95-4	Magnesium	20600			P
7439-96-5	Manganese	13.5	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8330			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29400			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	✗ 1/4/91 JAW	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D31.

000268

F10

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

280307

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2803-07

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	112	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	B		F
7440-39-3	Barium	90.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	99200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	230			P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	22700			P
7439-96-5	Manganese	107			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	9170			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	31400			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	M 1/4/91 JAN	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D35.

000269

FORM I - IN

F11

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80310

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2803-10

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	3.2	B	W	F
7440-39-3	Barium	80.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	83700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	72.8	B		P
7439-92-1	Lead	3.0	U	W	F
7439-95-4	Magnesium	16900			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6890			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	13600			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	10.7	B		P
	Cyanide	10.0	U	N 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D42.

000270

FORM I - IN

F12

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80701

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2807-01

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.6	B		F
7440-39-3	Barium	35.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	36300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	8140			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4840	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	12700			P
7440-28-0	Thallium	2.0	U	1/4/91	F
7440-62-2	Vanadium	12.6	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	X 1/4/91	C

1/4/91

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D62.

000271

FORM I - IN

F13

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

280704

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2807-04

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.0	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.6	B	W	F
7440-39-3	Barium	77.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	74900			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	11900			P
7439-92-1	Lead	3.0	U	W	F
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	107			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6880			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	13600			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	16.9	B		P
7440-66-6	Zinc	43.4			P
	Cyanide	10.0	U	N 1/4/91 JAN	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D46.

000272

FORM I - IN

F14

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80707

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2807-07

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	6.1	B	W	F
7440-39-3	Barium	41.8	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	44700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	191			P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9570			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	5870			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	20200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	14.1	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D54.

000273

FORM I - IN

F15

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80710

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2807-10

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	3.1	B	W	F
7440-39-3	Barium	57.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	67100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	106			P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	13000			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6450			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	11500			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	39.7			P
	Cyanide	10.0	U	M 1/9/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D50.

000274

FORM I - IN

F16

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80713

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2807-13

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.6	B	W	F
7440-39-3	Barium	43.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	51200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	105			P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	10600			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6250			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	21000			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	11.1	B		P
7440-66-6	Zinc	8.0	B		P
	Cyanide	10.0	U	M 1/4/91	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D58.

000275

FORM I - IN

F/7

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81201

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2812-01

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	7.0	B		F
7440-39-3	Barium	54.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	34100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	7140			P
7439-96-5	Manganese	5.9	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	5000			P
7782-49-2	Selenium	3.0	U	W	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	17900			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	~~N~~ 1/4/91 JMC	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D66.

000276

FORM I - IN

F18

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81204

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2812-04

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	6.6	B		F
7440-39-3	Barium	54.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	33900			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	7120			P
7439-96-5	Manganese	6.9	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4900	B		P
7782-49-2	Selenium	3.0	U	W	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	17300			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/4/91 JAW	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D70.

000277

FORM I - IN

F17

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81207

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2812-07

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.6	B		F
7440-39-3	Barium	38.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	38600			P
7440-47-3	Chromium	12.5			P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	91.3	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	8930			P
7439-96-5	Manganese	7.0	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	B		P
7440-09-7	Potassium	5320			P
7782-49-2	Selenium	3.0	U	W	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19000			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	10.0	B		P
	Cyanide	10.0	U	M 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D74.

000278

FORM I - IN

F20

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

ZS1210

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2812-10

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.2	B		F
7440-39-3	Barium	49.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	42100			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	76.0	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9290			P
7439-96-5	Manganese	7.5	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	5830			P
7782-49-2	Selenium	3.0	U	W	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19600			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/4/91	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D78.

000279

FORM I - IN

F21

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

281213

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2812-13

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	8.2	B		F
7440-39-3	Barium	40.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	46800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	78.5	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9200			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6300			P
7782-49-2	Selenium	3.0	U	W	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	22400			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	12.4	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U		C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOOD82.

000280

FORM I - IN

F 22

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81801

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2818-01

Level (low/med): LOW Date Received: 12/06/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	15.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	40.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	45.1	B		P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	683	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	N 1/9/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOODF5.

000281

FORM I - IN

F23

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81804

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2818-04

Level (low/med): LOW Date Received: 12/06/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.1	B		F
7440-39-3	Barium	15.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	22800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	45.1	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	4190	B		P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	2100	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	2790	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	M 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOOD89.

000282

FORM I - IN

F24

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

281807

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2818-07

Level (low/med): LOW Date Received: 12/06/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U	W	F
7440-39-3	Barium	15.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	131	B		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	42.8	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	44.5	B		P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	497	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	209	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	W 1/4/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOODG4.

000283

FORM I - IN

F25

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z82201

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Lab Sample ID: 2822-01

Level (low/med): LOW Date Received: 12/07/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U	W	F
7440-39-3	Barium	38.8	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	3650	B		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	221	B		P
7439-96-5	Manganese	17.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	593	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	651	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide	10.0	U	K 1/9/91	C

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOODK3.

000284

FORM I - IN

F26

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Antimony	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Barium	15.0	U	15.0	U	15.0	U	15.0	U	15.0	U	P
Beryllium	1.0	U	1.0	U	1.0	U	-1.4	B	-1.4	B	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Calcium	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Cobalt	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Iron	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Magnesium	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	P
Potassium	400.0	U	400.0	U	400.0	U	632.3	B	400.0	U	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Silver	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Sodium	40.0	U	40.0	U	40.0	U	40.0	U	65.4	B	P
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Vanadium	10.0	U	10.0	U	10.0	U			10.0	U	P
Zinc	8.0	U	8.0	U	8.0	U	8.0	U	8.0	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	C

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			25.0	U					25.0	U	P
Antimony			40.0	U					40.0	U	P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Barium			15.0	U					15.0	U	P
Beryllium			-1.7	B					1.0	U	P
Cadmium			5.0	U					5.0	U	P
Calcium			40.0	U					70.5	B	P
Chromium			10.0	U					10.0	U	P
Cobalt			10.0	U					10.0	U	P
Copper			5.0	U					5.0	U	P
Iron			25.0	U					25.0	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Magnesium			40.0	U					47.1	B	P
Manganese			5.0	U					5.0	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	CV
Nickel			20.0	U					20.0	U	P
Potassium			459.2	B					743.7	B	P
Selenium	3.0	U	3.0	U	3.0	U			3.0	U	F
Silver			10.0	U					10.0	U	P
Sodium			40.0	U					150.4	B	P
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Vanadium	10.0	U			10.0	U	10.0	U	10.0	U	P
Zinc			8.0	U					13.1	B	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	C

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ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	25.0	U									P
Antimony	40.0	U									P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U			F
Barium	15.0	U									P
Beryllium	1.0	U									P
Cadmium	5.0	U									P
Calcium	40.0	U									P
Chromium	10.0	U									P
Cobalt	10.0	U									P
Copper	5.0	U									P
Iron	25.0	U									P
Lead	3.0	U	3.0	U	3.0	U	3.0	U			F
Magnesium	40.0	U									P
Manganese	5.0	U									P
Mercury											
Nickel	20.0	U									P
Potassium	400.0	U									P
Selenium											
Silver	10.0	U									P
Sodium	40.0	U									P
Thallium			2.0	U	2.0	U	2.0	U			F
Vanadium	10.0	U	10.0	U	10.0	U	10.0	U			P
Zinc	8.0	U									P
Cyanide											

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ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			25.0	U	25.0	U	25.0	U			P
Antimony			40.0	U	40.0	U	40.0	U			P
Arsenic	2.0	U	2.0 ~~15.0~~	U	2.0	U	2.0	U			F
Barium			15.0	U	15.0	U	15.0	U			P
Beryllium			1.0	U	1.0	U	1.0	U			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			40.0	U	40.0	U	40.0	U			P
Chromium			10.0	U	10.0	U	10.0	U			P
Cobalt			10.0	U	10.0	U	10.0	U			P
Copper			5.0	U	5.0	U	5.0	U			P
Iron			25.0	U	25.0	U	25.0	U			P
Lead			3.0	U	3.0	U	3.0	U			F
Magnesium			40.0	U	40.0	U	40.0	U			P
Manganese			5.0	U	5.0	U	5.0	U			P
Mercury											
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			400.0	U	400.0	U	400.0	U			P
Selenium			3.0	U	3.0	U	3.0	U			F
Silver			10.0	U	10.0	U	10.0	U			P
Sodium			40.0	U	40.0	U	40.0	U			P
Thallium			2.0	U							F
Vanadium			10.0	U	10.0	U	10.0	U			P
Zinc			8.0	U	8.0	U	8.0	U			P
Cyanide											

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ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			25.0	U	25.0	U					P
Antimony			40.0	U	40.0	U					P
Arsenic			2.0	U	2.0	U	2.0	U			F
Barium			15.0	U	15.0	U					P
Beryllium			1.0	U	1.0	U					P
Cadmium			5.0	U	5.0	U					P
Calcium			40.0	U	40.0	U					P
Chromium			10.0	U	10.0	U					P
Cobalt			10.0	U	10.0	U					P
Copper			5.0	U	5.0	U					P
Iron			25.0	U	25.0	U					P
Lead			3.0	U	3.0	U	3.0	U			F
Magnesium			40.0	U	46.6	B					P
Manganese			5.0	U	5.0	U					P
Mercury											
Nickel			20.0	U	20.0	U					P
Potassium			511.3	B	657.8	B					P
Selenium			3.0	U	3.0	U	3.0	U			F
Silver			10.0	U	10.0	U					P
Sodium			40.0	U	40.0	U					P
Thallium											
Vanadium			10.0	U	10.0	U					P
Zinc			8.0	U	8.0	U					P
Cyanide											

9 7 8 1 9 5 9 2 1 2 6

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic			2.0	U							F
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			3.0	U	3.0	U					F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium			3.0	U	3.0	U	3.0	U			F
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

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ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Preparation Blank Matrix (soil/water):

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

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

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ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

Z79501S

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1988.2180		25.0000	U	2000.00	99.4		P
Antimony	75-125	482.1175		40.0000	U	500.00	96.4		P
Arsenic	75-125	48.4400		4.3000	B	40.00	110.4		F
Barium	75-125	2118.3313		107.3808	B	2000.00	100.5		P
Beryllium	75-125	55.4458		1.0000	U	50.00	110.9		P
Cadmium	75-125	49.7806		5.0000	U	50.00	99.6		P
Calcium									NR
Chromium	75-125	200.8985		10.0000	U	200.00	100.4		P
Cobalt	75-125	476.6882		10.0000	U	500.00	95.3		P
Copper	75-125	253.1679		5.0000	U	250.00	101.3		P
Iron	75-125	1010.6666		40.8431	B	1000.00	97.0		P
Lead	75-125	22.2000		3.0000	U	20.00	111.0		F
Magnesium									NR
Manganese	75-125	491.0735		5.0000	U	500.00	98.2		P
Mercury	75-125	1.0388		0.2000	U	1.00	103.9		CV
Nickel	75-125	488.2125		20.0000	U	500.00	97.6		P
Potassium									NR
Selenium	75-125	9.3100		3.0000	U	10.00	93.1		F
Silver	75-125	53.3914		10.0000	U	50.00	106.8		P
Sodium									NR
Thallium	75-125	46.2200		2.0000	U	50.00	92.4		F
Vanadium	75-125	484.5147		10.0000	U	500.00	96.9		P
Zinc	75-125	499.1563		8.0000	U	500.00	99.8		P
Cyanide									NR

Comments:

FORM V (PART 1) - IN

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ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

Z82201S

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1958.2844		25.0000	U	2000.00	97.9		P
Antimony	75-125	494.6973		40.0000	U	500.00	98.9		P
Arsenic	75-125	44.2400		2.0000	U	40.00	110.6		F
Barium	75-125	2104.6589		38.7706	B	2000.00	103.3		P
Beryllium	75-125	59.3592		1.0000	U	50.00	118.7		P
Cadmium	75-125	51.6650		5.0000	U	50.00	103.3		P
Calcium									NR
Chromium	75-125	217.4434		10.0000	U	200.00	108.7		P
Cobalt	75-125	531.6583		10.0000	U	500.00	106.3		P
Copper	75-125	260.5674		5.0000	U	250.00	104.2		P
Iron	75-125	1076.5398		25.0000	U	1000.00	107.7		P
Lead	75-125	21.7400		3.0000	U	20.00	108.7		F
Magnesium									NR
Manganese	75-125	542.2891		17.9356		500.00	104.9		P
Mercury	75-125	0.8598		0.2000	U	1.00	86.0		CV
Nickel	75-125	525.9148		20.0000	U	500.00	105.2		P
Potassium									NR
Selenium	75-125	9.3000	B	3.0000	U	10.00	93.0		F
Silver	75-125	55.4607		10.0000	U	50.00	110.9		P
Sodium									NR
Thallium	75-125	47.4000		2.0000	U	50.00	94.8		F
Vanadium	75-125	511.5644		10.0000	U	500.00	102.3		P
Zinc	75-125	527.0722		8.0000	U	500.00	105.4		P
Cyanide									NR

Comments:

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ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.
2795045

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

1/4/91

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	58.1000		10.0000	U	55.60	104		NR C 1/4/

Comments:

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ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

Z812045

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

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

% Solids for Sample: 0.0

1/4/91

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	58.1000		10.0000	U	62.50	93.0		~~NR~~ C

1/4/9

Comments:

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ENVIROFORMS/INORGANIC CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

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

Concentration Units: ug/L

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

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Comments:

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ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

Z79501D

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

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

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		25.0000	U	25.0000	U			P
Antimony		40.0000	U	40.0000	U			P
Arsenic		4.3000	B	4.5100	B	4.8		F
Barium		107.3808	B	106.9564	B	0.4		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		5.0000	U	5.0000	U			P
Calcium		107469.2300		107510.0900		0.0		P
Chromium		10.0000	U	10.0000	U			P
Cobalt		10.0000	U	10.0000	U			P
Copper		5.0000	U	5.0000	U			P
Iron		40.8431	B	43.5622	B	6.4		P
Lead		3.0000	U	3.0000	U			F
Magnesium	5000.0	23470.8220		23305.7670		0.7		P
Manganese		5.0000	U	5.0000	U			P
Mercury		0.2000	U	0.2000	U			CV
Nickel		20.0000	U	20.0000	U			P
Potassium	5000.0	8720.3594		8592.3965		1.5		P
Selenium		3.0000	U	3.0000	U			F
Silver		10.0000	U	10.0000	U			P
Sodium		31700.9550		31287.7340		1.3		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		10.0000	U	10.0000	U			P
Zinc		8.0000	U	8.0000	U			P
Cyanide		10.0000	U	11.1000 ~~10.0000~~	U			C

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

Z82201D

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

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

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		25.0000	U	25.0000	U			P
Antimony		40.0000	U	40.0000	U			P
Arsenic		2.0000	U	2.0000	U			F
Barium		38.7706	B	39.8536	B	2.8		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		5.0000	U	5.0000	U			P
Calcium		3653.5298	B	3714.3594	B	1.7		P
Chromium		10.0000	U	10.0000	U			P
Cobalt		10.0000	U	10.0000	U			P
Copper		5.0000	U	5.0000	U			P
Iron		25.0000	U	25.0000	U			P
Lead		3.0000	U	3.0000	U			F
Magnesium		221.4525	B	229.1821	B	3.4		P
Manganese	15.0	17.9356		17.9332		0.0		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		20.0000	U	20.0000	U			P
Potassium		593.4930	B	661.4233	B	10.8		P
Selenium		3.0000	U	3.0000	U			F
Silver		10.0000	U	10.0000	U			P
Sodium		651.1965	B	651.9360	B	0.1		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		10.0000	U	10.0000	U			P
Zinc		8.0000	U	8.0000	U			P
Cyanide								

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ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

Z81201D

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

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

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide		10.0000	U	14.3000 ~~10.0000~~	U			C

000299

ENVIROFORMS/INORGANIC CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Solid LCS Source: ERA

Aqueous LCS Source: INORG.VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10000.0	9360.65	93.6						
Antimony	1500.0	1254.51	83.6						
Arsenic	40.0	43.52	108.8						
Barium	10000.0	9410.25	94.1						
Beryllium	250.0	258.52	103.4						
Cadmium	2500.0	2261.52	90.5						
Calcium	25000.0	21070.59	84.3						
Chromium	1000.0	941.37	94.1						
Cobalt	2500.0	2206.45	88.3						
Copper	1250.0	1142.45	91.4						
Iron	5000.0	4348.58	87.0						
Lead	20.0	21.75	108.8						
Magnesium	25000.0	22625.75	90.5						
Manganese	~~2500.0~~	1971.27	~~78.9~~						
Mercury	2230.0		88.4						
Nickel	2500.0	2171.55	86.9						
Potassium	25000.0	21046.29	84.2						
Selenium	10.0	11.32	113.2						
Silver	250.0	207.00	82.8						
Sodium	25000.0	23381.35	93.5						
Thallium	50.0	46.05	92.1						
Vanadium	2500.0	2222.87	88.9						
Zinc	2500.0	2141.85	85.7						
Cyanide									

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WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: PN2795

Solid LCS Source: ERA

Aqueous LCS Source: INORG.VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10000.0	9248.50	92.5						
Antimony	1500.0	1320.23	88.0						
Arsenic	40.0	43.60	109.0						
Barium	10000.0	9333.54	93.3						
Beryllium	250.0	262.88	105.2						
Cadmium	2500.0	2328.36	93.1						
Calcium	25000.0	22081.23	88.3						
Chromium	1000.0	987.12	98.7						
Cobalt	2500.0	2324.09	93.0						
Copper	1250.0	1132.34	90.6						
Iron	5000.0	4510.26	90.2						
Lead	20.0	21.00	105.0						
Magnesium	25000.0	22371.41	89.5						
Manganese	~~2500.0~~	2035.96	~~81.4~~						
Mercury	2230.0	1/14/91 JAN	91.3	1/14/91 JAN					
Nickel	2500.0	2202.03	88.1						
Potassium	25000.0	21186.98	84.7						
Selenium	10.0	10.12	101.2						
Silver	250.0	217.10	86.8						
Sodium	25000.0	22868.49	91.5						
Thallium	50.0	51.85	103.7						
Vanadium	2500.0	2323.48	92.9						
Zinc	2500.0	2190.36	87.6						
Cyanide									

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79503

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2795-03

Level (low/med): LOW Date Received: 11/28/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	3.7	B		F
7440-39-3	Barium	105	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	106000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	44.4	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	22400			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8480			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	30500			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B48.

FORM I - IN

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

Z79505

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2795-05

Level (low/med): LOW Date Received: 11/28/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.1	B		F
7440-39-3	Barium	94.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	100000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	21500			P
7439-96-5	Manganese	9.0	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8120			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B50.

FORM I - IN

F45

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

279702

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2797-02

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.4	B		F
7440-39-3	Barium	47.7	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	54000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	13200			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	5360			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	18700			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	13.7	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOOD20.

000304

FORM I - IN

9 2 1 - 9 6 1 8 1 6

F46

WHC-MR- 0299

ENVIRDFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

Z79705

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2797-05

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	8.2	B		F
7440-39-3	Barium	61.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	18800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	27.0	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	4630	B		P
7439-96-5	Manganese	137			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4310	B		P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	17100			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D24.

FORM I - IN

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z79708

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2797-08

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	B		F
7440-39-3	Barium	86.3	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.9	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	22700			P
7439-96-5	Manganese	96.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8860			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29700			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B54.

FORM I - IN

F48

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

Z79711

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2797-11

Level (low/med): LOW Date Received: 11/29/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.5	B		F
7440-39-3	Barium	74.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	81500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	17200			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	7450			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	25100			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	11.1	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00B58.

FORM I - IN

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80303

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2803-03

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	3.3	B		F
7440-39-3	Barium	84.2	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	92100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	19600			P
7439-96-5	Manganese	8.4	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8120			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	28200			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOOD28.

FORM I - IN

F 50

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80306

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2803-06

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.1	B		F
7440-39-3	Barium	85.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	91400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	19700			P
7439-96-5	Manganese	10.5	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	8000			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	28700			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D32.

000309

FORM I - IN

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80308

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2803-08

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.1	B	W	F
7440-39-3	Barium	88.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	101000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	21900			P
7439-96-5	Manganese	96.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	9020			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	30800			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D36.

FORM I - IN

F52

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80311

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2803-11

Level (low/med): LOW Date Received: 11/30/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.8	B		F
7440-39-3	Barium	80.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	85800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.3	B		P
7439-89-6	Iron	65.5	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	16300			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	7320			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	11.7			P
7440-23-5	Sodium	13300			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.1	B		P
7440-66-6	Zinc	14.8	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOOD43.

FORM I - IN

F53

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80702

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2807-02

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.0	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	6.1	B		F
7440-39-3	Barium	37.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	37200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron	29.6	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	8020			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4810	B		P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	12400			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.6	B		P
7440-66-6	Zinc	9.5	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D63.

000312

FORM I - IN

F54

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z80706

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2807-06

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.2	B		F
7440-39-3	Barium	71.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	78100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	321			P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	15800			P
7439-96-5	Manganese	29.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6830			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0			P
7440-23-5	Sodium	13700			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	17.8	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D47.

000313

FORM I - IN

0 0 6 1 6 5 9 2 1 2 6

F55

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

Z80709

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2807-09

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.8			F
7440-39-3	Barium	42.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	45600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9280			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6090			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19900			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	11.6	B		P
7440-66-6	Zinc	11.5	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOOD55.

F56

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

Z80711

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2807-11

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.9	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.6	B		F
7440-39-3	Barium	59.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	69700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	47.1	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	13000			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6530			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0			P
7440-23-5	Sodium	11700			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.1	B		P
7440-66-6	Zinc	38.8			P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D51.

000315

FORM I - IN

9 2 1 2 6 3 0 1 9 0 2

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

280714

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2807-14

Level (low/med): LOW Date Received: 12/01/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.4	B		F
7440-39-3	Barium	44.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	51200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	10200			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6040			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	20500			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	9.9	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D59.

FORM I - IN

F58

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

Z81202

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2812-02

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.8	B	W	F
7440-39-3	Barium	54.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	33500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	6990			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4950	B		P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	17900			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D67.

FORM I - IN

000317

4 0 6 1 9 3 9 2 1 2 6

F 57

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81205

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2812-05

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31.2	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.8	B		F
7440-39-3	Barium	53.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	33600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	35.1	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	7020			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	4910	B		P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	18000			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.9	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D71.

FORM I - IN

F6C

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

281208

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2812-08

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.0	B		F
7440-39-3	Barium	40.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	40000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	33.8	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9200			P
7439-96-5	Manganese	5.4	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	B		P
7440-09-7	Potassium	5460			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19700			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	8.9	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D75.

FORM I - IN

F61

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

Z81211

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2812-11

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	4.9	B	W	F
7440-39-3	Barium	50.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	43800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	56.6	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9570			P
7439-96-5	Manganese	6.8	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6270			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	20300			P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	10.8	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D79.

FORM I - IN

F62

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

281214

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2812-14

Level (low/med): LOW Date Received: 12/05/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	7.7	B	W	F
7440-39-3	Barium	39.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	46600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	9070			P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	6450			P
7782-49-2	Selenium	3.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	21900			P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	11.9	B		P
7440-66-6	Zinc	8.0	U		P
	Cyanide				NA

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D83.

FORM I - IN

9212596108

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81802

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2818-02

Level (low/med): LOW Date Received: 12/06/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	15.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	61.5	B		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	64.3	B		P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	955	B		P
7782-49-2	Selenium	3.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	255	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	23.6			P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00DF6.

F64

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81805

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2818-05

Level (low/med): LOW Date Received: 12/06/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U	W	F
7440-39-3	Barium	15.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	22500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	37.4	B		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	4130	B		P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	2450	B		P
7782-49-2	Selenium	3.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	2680	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	23.9			P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS B00D90.

FORM I - IN

F65

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z81808

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2818-08

Level (low/med): LOW Date Received: 12/06/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	15.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	49.5	B		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	62.2	B		P
7439-96-5	Manganese	5.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	965	B		P
7782-49-2	Selenium	3.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	18.5	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOODG5.

FORM I - IN

F66

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Z82202

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Lab Sample ID: 2822-02

Level (low/med): LOW Date Received: 12/07/90

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.0	U		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	34.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	3040	B		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	3.0	U		F
7439-95-4	Magnesium	207	B		P
7439-96-5	Manganese	17.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1070	B		P
7782-49-2	Selenium	3.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	512	B		P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	18.2	B		P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
THE CORRESPONDING CLIENT SAMPLE ID IS BOODK4.

FORM I - IN

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	25.0	U	25.0	U	25.0	U	25.0	U	30.5	B	P
Antimony	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Barium	15.0	U	15.0	U	15.0	U	15.0	U	15.0	U	P
Beryllium	1.0	U	1.0	U	-1.0	B	-1.4	B	-1.0	B	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Calcium	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Cobalt	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Iron	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Magnesium	40.0	U	40.0	U	56.1	B	40.0	U	47.3	B	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	P
Potassium	400.0	U	400.0	U	1013.2	B	726.9	B	767.3	B	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Silver	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Sodium	40.0	U	40.0	U	40.0	U	40.0	U	42.7	B	P
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Vanadium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Zinc	8.0	U	8.0	U	8.0	U	8.0	U	8.0	U	P
Cyanide											

FORM III - IN

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Antimony	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Barium	15.0	U	15.0	U	15.0	U	15.0	U	15.0	U	P
Beryllium	1.0	U	-1.4	B	-1.4	B	1.0	U	1.0	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Calcium	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Cobalt	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Iron	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Magnesium	40.0	U	40.8	B	49.5	B	40.0	U	42.0	B	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	P
Potassium	400.0	U	712.2	B	844.3	B	400.0	U	511.3	B	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	F
Silver	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Sodium	40.0	U	40.0	U	40.0	U	40.0	U	112.3	B	P
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	F
Vanadium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Zinc	8.0	U	8.0	U	8.0	U	8.0	U	9.1	B	P
Cyanide											

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ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			25.0	U	25.0	U	25.0	U			P
Antimony			40.0	U	40.0	U	40.0	U			P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U			F
Barium			15.0	U	15.0	U	15.0	U			P
Beryllium			1.0	U	1.0	U	1.0	U			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			40.0	U	40.0	U	40.0	U			P
Chromium			10.0	U	10.0	U	10.0	U			P
Cobalt			10.0	U	10.0	U	10.0	U			P
Copper			5.0	U	5.0	U	5.0	U			P
Iron			25.0	U	25.0	U	25.0	U			P
Lead			3.0	U	3.0	U	3.0	U			F
Magnesium			40.0	U	40.0	U	40.0	U			P
Manganese			5.0	U	5.0	U	5.0	U			P
Mercury											
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			400.0	U	400.0	U	511.3	B			P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U			F
Silver			10.0	U	10.0	U	10.0	U			P
Sodium			40.0	U	40.0	U	40.0	U			P
Thallium	2.0	U	2.0	U	2.0	U	2.0	U			F
Vanadium			10.0	U	10.0	U	10.0	U			P
Zinc			8.0	U	8.0	U	8.0	U			P
Cyanide											

FORM III - IN

F74

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			25.0	U							P
Antimony			40.0	U							P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U			F
Barium			15.0	U							P
Beryllium			1.0	U							P
Cadmium			5.0	U							P
Calcium			40.0	U							P
Chromium			10.0	U							P
Cobalt			10.0	U							P
Copper			5.0	U							P
Iron			25.0	U							P
Lead			3.0	U	3.0	U					F
Magnesium			46.6	B							P
Manganese			5.0	U							P
Mercury											
Nickel			20.0	U							P
Potassium			657.8	B							P
Selenium			3.0	U	3.0	U	3.0	U			F
Silver			10.0	U							P
Sodium			40.0	U							P
Thallium			2.0	U	2.0	U	2.0	U			F
Vanadium			10.0	U							P
Zinc			8.0	U							P
Cyanide											

000329

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic			2.0	U	2.0	U	2.0	U			F
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium			2.0	U	2.0	U	2.0	U			F
Vanadium											
Zinc											
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium			2.0	U							F
Vanadium											
Zinc											
Cyanide											

ENVIROFORMS/INORGANIC CLP

5A WHC-MR- 0299
SPIKE SAMPLE RECOVERY

SAMPLE NO.

Z79503S

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1891.2230		25.0000	U	2000.00	94.6		P
Antimony	75-125	457.5378		40.0000	U	500.00	91.5		P
Arsenic	75-125	43.9300		3.7000	B	40.00	100.6		F
Barium	75-125	2043.8796		105.3028	B	2000.00	96.9		P
Beryllium	75-125	54.9357		1.0000	U	50.00	109.9		P
Cadmium	75-125	50.8670		5.0000	U	50.00	101.7		P
Calcium									NR
Chromium	75-125	200.5030		10.0000	U	200.00	100.3		P
Cobalt	75-125	484.5164		10.0000	U	500.00	96.9		P
Copper	75-125	242.9106		5.0000	U	250.00	97.2		P
Iron	75-125	1007.4414		44.3703	B	1000.00	96.3		P
Lead	75-125	21.5800		3.0000	U	20.00	107.9		F
Magnesium									NR
Manganese	75-125	490.6425		5.0000	U	500.00	98.1		P
Mercury	75-125	1.0794		0.2000	U	1.00	107.9		CV
Nickel	75-125	483.2416		20.0000	U	500.00	96.6		P
Potassium									NR
Selenium	75-125	7.1700		3.0000	U	10.00	71.7	N	F
Silver	75-125	56.4026		10.0000	U	50.00	112.8		P
Sodium									NR
Thallium	75-125	49.5600		2.0000	U	50.00	99.1		F
Vanadium	75-125	494.9731		10.0000	U	500.00	99.0		P
Zinc	75-125	494.8743		8.0000	U	500.00	99.0		P
Cyanide									NR

Comments:

F74

ENVIROFORMS/INORGANIC CLP

WHC-MR- 0299

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

Z81208S

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1925.7721		25.0000	U	2000.00	96.3		P
Antimony	75-125	477.5865		40.0000	U	500.00	95.5		P
Arsenic	75-125	40.9800		3.9600	B	40.00	92.6		F
Barium	75-125	2036.6479		40.0702	B	2000.00	99.8		P
Beryllium	75-125	59.7279		1.0000	U	50.00	119.5		P
Cadmium	75-125	53.5481		5.0000	U	50.00	107.1		P
Calcium									NR
Chromium	75-125	211.6959		10.0000	U	200.00	105.8		P
Cobalt	75-125	507.3835		10.0000	U	500.00	101.5		P
Copper	75-125	249.8031		5.0000	U	250.00	99.9		P
Iron	75-125	1060.9641		33.8173	B	1000.00	102.7		P
Lead	75-125	20.9900		3.0000	U	20.00	105.0		F
Magnesium									NR
Manganese	75-125	512.2956		5.3686	B	500.00	101.4		P
Mercury	75-125	1.0813		0.2000	U	1.00	108.1		CV
Nickel	75-125	517.3971		20.0000	U	500.00	103.5		P
Potassium									NR
Selenium	75-125	6.9500		3.0000	U	10.00	69.5	N	F
Silver	75-125	56.0715		10.0000	U	50.00	112.1		P
Sodium									NR
Thallium	75-125	46.5800		2.0000	U	50.00	93.2		F
Vanadium	75-125	504.1144		10.0000	U	500.00	100.8		P
Zinc	75-125	518.0476		8.8590	B	500.00	101.8		P
Cyanide									NR

Comments:

WHC-MR- 0299

ENVIROFORMS/INORGANIC CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

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

Concentration Units: ug/L

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

Comments:

F76

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

Z79503D

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

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

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		25.0000	U	25.0000	U			P
Antimony		40.0000	U	40.0000	U			P
Arsenic		3.7000	B	4.2800	B	14.5		F
Barium		105.3028	B	108.3496	B	1.0		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		5.0000	U	5.0000	U			P
Calcium		105853.0900		107292.6400		1.4		P
Chromium		10.0000	U	10.0000	U			P
Cobalt		10.0000	U	10.0000	U			P
Copper		5.0000	U	5.0000	U			P
Iron		44.3703	B	25.0000	U	200.0		P
Lead		3.0000	U	3.0000	U			F
Magnesium	5000.0	22390.6970		22608.4940		1.0		P
Manganese		5.0000	U	5.0000	U			P
Mercury		0.2000	U	0.2000	U			CV
Nickel		20.0000	U	20.0000	U			P
Potassium	5000.0	8476.5068		8590.3096		1.3		P
Selenium		3.0000	U	3.0000	U			F
Silver		10.0000	U	10.0000	U			P
Sodium		30477.5780		30574.7050		0.3		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		10.0000	U	10.0000	U			P
Zinc		8.0000	U	8.0000	U			P
Cyanide								

FORM VI - IN

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

Z81208D

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

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

% Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		25.0000	U	25.0000	U			P
Antimony		40.0000	U	40.0000	U			P
Arsenic		3.9600	B	4.7600	B	18.3		F
Barium		40.0702	B	39.8536	B	0.5		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		5.0000	U	5.0000	U			P
Calcium		40032.0270		39434.5460		1.5		P
Chromium		10.0000	U	10.0000	U			P
Cobalt		10.0000	U	10.0000	U			P
Copper		5.0000	U	5.0000	U			P
Iron		33.8173	B	28.7317	B	16.3		P
Lead		3.0000	U	3.0000	U			F
Magnesium	5000.0	9196.1396		9095.4453		1.1		P
Manganese		5.3686	B	5.3897	B	0.4		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		20.0000	U	20.0000	U			P
Potassium	5000.0	5462.9951		5330.7109		2.5		P
Selenium		3.0000	U	3.0000	U			F
Silver		10.0000	U	10.0000	U			P
Sodium	5000.0	19720.1750		19585.1440		0.7		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		10.0000	U	10.0000	U			P
Zinc		8.8590	B	12.5757	B	34.7		P
Cyanide								

FORM VI - IN

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ENVIROFORMS/INORGANIC CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Solid LCS Source: ERA

Aqueous LCS Source: INORG.VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10000.0	9390.79	93.9						
Antimony	1500.0	1264.45	84.3						
Arsenic	40.0	36.56	91.4						
Barium	10000.0	9528.12	95.3						
Beryllium	250.0	262.47	105.0						
Cadmium	2500.0	2290.84	91.6						
Calcium	25000.0	21881.45	87.5						
Chromium	1000.0	986.83	98.7						
Cobalt	2500.0	2325.09	93.0						
Copper	1250.0	1151.79	92.1						
Iron	5000.0	4611.96	92.2						
Lead	20.0	20.22	101.1						
Magnesium	25000.0	22683.80	90.7						
Manganese	2230 ~~2500.0~~	2047.59	~~81.5~~	91.8 DAW 1/4/91					
Mercury									
Nickel	2500.0	2239.62	89.6						
Potassium	25000.0	21512.48	86.0						
Selenium	10.0	11.09	110.9						
Silver	250.0	218.74	87.5						
Sodium	25000.0	23545.80	94.2						
Thallium	50.0	44.20	88.4						
Vanadium	2500.0	2369.75	94.8						
Zinc	2500.0	2213.01	88.5						
Cyanide									

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FORM VII - IN

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ENVIROFORMS/INORGANIC CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: PACIFIC NW ENV LABORATORY Contract:

Lab Code: PNEL Case No.: SAS No.: SDG No.: DS2795

Solid LCS Source: ERA

Aqueous LCS Source: INORG.VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10000.0	9464.94	94.6						
Antimony	1500.0	1351.19	90.1						
Arsenic	40.0	36.26	90.6						
Barium	10000.0	9518.72	95.2						
Beryllium	250.0	256.98	102.8						
Cadmium	2500.0	2421.40	96.9						
Calcium	25000.0	22959.48	91.8						
Chromium	1000.0	1014.42	101.4						
Cobalt	2500.0	2385.94	95.4						
Copper	1250.0	1154.96	92.4						
Iron	5000.0	4703.68	94.1						
Lead	20.0	19.74	98.7						
Magnesium	25000.0	22996.06	92.0						
Manganese	~~2500.0~~	2095.34	~~83.8~~	94.0 [illegible]					
Mercury									
Nickel	2500.0	2289.91	91.6						
Potassium	25000.0	22016.44	88.1						
Selenium	10.0	11.39	113.9						
Silver	250.0	228.43	91.4						
Sodium	25000.0	23523.68	94.1						
Thallium	50.0	52.95	105.9						
Vanadium	2500.0	2374.62	95.0						
Zinc	2500.0	2296.95	91.9						
Cyanide									

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APPENDIX G

GENERAL CHEMISTRY, TOTAL ORGANIC CARBON AND TOTAL ORGANIC HALOGEN ANALYSIS REPORTS

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOB45	BOOB49	BOOD04	BOOD23
PNELI Sample ID	2795-01	2795-04	2797-01	2797-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-28-90	11-28-90	11-29-90	11-29-90
Date Sample Analyzed	*	*	*	*
Units of Measure Conductivity	µmhos/cm	µmhos/cm	µmhos/cm	µmhos/cm
Units of Measure pH	no units	units	units	units
Units of Measure Alkalinity	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$
Units of Measure all other	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ

Compound				
Ammonia (NH_3-N)	0.095	0.060	0.050 U	0.088
Fluoride	0.330	0.549	0.303	0.427
Chemical Oxygen Demand	5.20	6.20	5.00 U	5.00 U
Chloride	16.0	14.4	15.7	2.01
Nitrite (NO_2-N)	0.100 U	0.100 U	0.100 U	0.100 U
Nitrate (NO_3-N)	50.9	46.7	7.03	0.100 U
Bromide	0.500 U	0.500 U	0.500 U	0.500 U
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	0.100 U	0.100 U
Sulfate	79.9	74.1	31.5	16.0
Alkalinity	171	167	162	92.0
Conductivity	918	863	478	220
NO_3/NO_2	—	—	—	0.024
Total Dissolved Solids	644	611	297	162
pH	7.43	7.55	7.69	7.90

*				
	NH_3-N	12-12-90	COD	12-12-90
	Fluoride	12-13-90	Br	12-04-90
	pH	11-30-90	Cl	11-29-90
	Conductivity	11-29-90	NO_2	11-29-90
	Alkalinity	12-05-90	NO_3	11-29-90
	TDS	11-28-90 (2795)	PO_4	11-29-90
		12-13-90 (2797-01)	SO_4	11-29-90
		12-03-90 (2797-04)	NO_3/NO_2	12-18-90 (2797-04)

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOB53	BOOB57	BOOD27	BOOD31
PNELI Sample ID	2797-07	2797-10	2803-01	2803-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-29-90	11-29-90	11-30-90	11-30-90
Date Sample Analyzed	*	*	*	*
Units of Measure Conductivity	µmhos/cm	µmhos/cm	µmhos/cm	µmhos/cm
Units of Measure pH	no units	units	units	units
Units of Measure Alkalinity	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$
Units of Measure all other	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ

Compound								
Ammonia (NH_3-N)	0.050	U	0.050	U	0.050	U	0.050	U
Fluoride	0.373		0.601		0.356		0.324	
Chemical Oxygen Demand	5.60		5.00	U	5.00	U	5.00	U
Chloride	15.7		14.0		19.1		19.3	
Nitrite (NO_2-N)	0.336		0.100	U	0.100	U	0.100	U
Nitrate (NO_3-N)	49.9		31.0		38.3		38.2	U
Bromide	0.500	U	0.500	U	0.500	U	0.500	U
Ortho-Phosphorus (PO_4-P)	0.100	U	0.100	U	0.100	U	0.100	U
Sulfate	82.6		60.3		69.8		72.0	
Alkalinity	167		158		152		154	
Conductivity	911		718		811		813	
Total Dissolved Solids	633		496		559		549	
pH	7.74		7.74		7.38		7.50	

*	NH_3-N	12-12-90	Br	12-04-90 (2797)
	Fluoride	12-13-90		12-11-90 (2803)
	pH	11-30-90	Cl	11-29-90 (2797)
	Conductivity	11-29-90 (2797)		12-05-90 (2803)
		12-01-90 (2803)	NO_2	11-29-90 (2797)
	Alkalinity	12-05-90		11-30-90 (2803)
	TDS	12-03-90	NO_3	11-29-90 (2797)
	COD	12-12-90		11-30-90 (2803)
			PO_4	11-29-90 (2797)
				12-01-90 (2803)
			SO_4	11-29-90 (2797)
				12-04-90 (2803)

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD35	BOOD42	BOOD62	BOOD46
PNELI Sample ID	2803-07	2803-10	2807-01	2807-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-30-90	11-30-90	12-01-90	12-01-90
Date Sample Analyzed	*	*	*	*
Units of Measure Conductivity	µmhos/cm	µmhos/cm	µmhos/cm	µmhos/cm
Units of Measure pH	no units	units	units	units
Units of Measure Alkalinity	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$
Units of Measure all other	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ

Compound				
Ammonia (NH_3-N)	0.237	0.050 U	0.050 U	0.050 U
Fluoride	0.290	0.212	0.215	0.211
Chemical Oxygen Demand	5.00 U	5.00 U	5.00 U	5.00 U
Chloride	18.5	6.73	7.05	6.87
Nitrite (NO_2-N)	0.736	0.100 U	0.100 U	0.100 U
Nitrate (NO_3-N)	46.5	4.11	1.50	3.49
Bromide	0.500 U	0.500 U	0.500 U	0.500 U
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	0.100 U	0.100 U
Sulfate	75.4	8.70	15.6	17.2
Alkalinity	151	272	133	266
Conductivity	886	608	297	522
Total Dissolved Solids	600	380	212	346
pH	7.57	7.12	7.27	7.10

*	NH_3-N	12-12-90	Br	12-11-90 (2803)
	Fluoride	12-13-90		12-04-90 (2807)
	pH	11-30-90 (2803)	Cl	12-05-90 (2803)
		12-01-90 (2807)		12-01-90 (2807)
	Conductivity	12-01-90	NO_2	11-30-90 (2803)
	Alkalinity	12-05-90 (2803)		12-01-90 (2807)
		12-06-90 (2807)	NO_3	11-30-90 (2803)
	TDS	12-03-90		12-01-90 (2807)
	COD	12-12-90	PO_4	12-01-90

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD54	BOOD50	BOOD58	BOOD66
PNELI Sample ID	2807-07	2807-10	2807-13	2812-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-01-90	12-01-90	12-01-90	12-05-90
Date Sample Analyzed	*	*	*	*
Units of Measure Conductivity	µmhos/cm	µmhos/cm	µmhos/cm	µmhos/cm
Units of Measure pH	no units	units	units	units
Units of Measure Alkalinity	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$
Units of Measure all other	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ

Compound				
Ammonia (NH_3-N)	0.050 U	0.050 U	0.050 U	0.050 U
Fluoride	0.303	0.194	0.258	0.276
Chemical Oxygen Demand	5.00	5.00 U	5.00 U	5.00 U
Chloride	10.3	5.25	11.6	6.08
Nitrite (NO_2-N)	0.100 U	0.100 U	0.100 U	0.100 U
Nitrate (NO_3-N)	3.84	2.11	5.57	1.65
Bromide	0.500 U	0.500 U	0.500 U	0.500 U
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	0.100 U	0.100 U
Sulfate	32.1	15.7	35.3	18.1
Alkalinity	144	231	151	126
Conductivity	377	456	424	314
Total Dissolved Solids	267	304	293	201
pH	7.40	7.25	7.47	7.31

*	NH_3-N	12-12-90 (2807)	Br	12-04-90 (2807)
		12-13-90 (2807-13, 2812)		12-05-90 (2812)
	Fluoride	12-13-90 (2807)	SO_4	12-04-90 (2807)
		12-14-90 (2812)		12-05-90 (2812)
	pH	12-01-90 (2807)	Cl	12-05-90 (2812)
		12-05-90 (2812)		12-01-90 (2807)
	Conductivity	12-01-90 (2807)	NO_2	12-05-90 (2812)
		12-05-90 (2812)		12-01-90 (2807)
	Alkalinity	12-06-90	NO_3	12-05-90 (2812)
	TDS	12-03-90 (2807)		12-01-90 (2807)
		12-07-90 (2812)	PO_4	12-05-90 (2812)
	COD	12-12-90		12-01-90 (2807)

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD70	BOOD74	BOOD78	BOOD82
PNELI Sample ID	2812-04	2812-07	2812-10	2812-13
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-05-90	12-05-90	12-05-90	12-05-90
Date Sample Analyzed	*	*	*	*
Units of Measure Conductivity	µmhos/cm	µmhos/cm	µmhos/cm	µmhos/cm
Units of Measure pH	no units	units	units	units
Units of Measure Alkalinity	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$
Units of Measure all other	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ

Compound				
Ammonia (NH_3-N)	0.050 U	0.050 U	0.050 U	0.050 U
Fluoride	0.293	0.310	0.419	0.363
Chemical Oxygen Demand	5.00 U	5.00 U	5.00 U	5.00 U
Chloride	5.87	8.82	10.3	10.8
Nitrite (NO_2-N)	0.100 U	0.100 U	0.100 U	0.100 U
Nitrate (NO_3-N)	1.65	2.23	3.31	2.11
Bromide	0.500 U	0.500 U	0.500 U	0.500 U
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	0.100 U	0.100 U
Sulfate	18.3	24.3	35.6	35.1
Alkalinity	128	144	143	161
Conductivity	311	360	397	425
Total Dissolved Solids	197	235	257	274
pH	7.40	7.45	7.52	7.57

*	NH_3-N	12-13-90	PO_4	12-05-90
	Fluoride	12-14-90	Cl	12-05-90
	pH	12-05-90	NO_2	12-05-90
	Conductivity	12-05-90	Br	12-05-90
	Alkalinity	12-06-90 (2812-04	NO_3	12-05-90
		12-12-90 (2812-07-13)	SO_4	12-05-90
	TDS	12-07-90		
	COD	12-13-90		

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOODF5	BOOD89	BOODG4	BOODK3
PNELI Sample ID	2818-01	2818-04	2818-07	2822-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-06-90	12-06-90	12-06-90	12-07-90
Date Sample Analyzed	*	*	*	*
Units of Measure Conductivity	µmhos/cm	µmhos/cm	µmhos/cm	µmhos/cm
Units of Measure pH	no units	units	units	units
Units of Measure Alkalinity	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$	mg/ℓ $CaCO_3$
Units of Measure all other	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ

Compound				
Ammonia (NH_3-N)	0.050 U	0.050 U	0.050 U	0.050 U
Fluoride	0.100 U	0.165	0.100 U	0.100 U
Chemical Oxygen Demand	5.00 U	5.92	5.00 U	5.00 U
Chloride	0.100 U	1.22	0.100 U	1.26
Nitrite (NO_2-N)	0.100 U	0.100 U	0.100 U	0.100 U
Nitrate (NO_3-N)	0.100 U	0.172	0.100 U	0.171
Bromide	0.500 U	0.500 U	0.500 U	0.500 U
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	0.100 U	0.100 U
Sulfate	0.100 U	9.27	0.100 U	0.100 U
Alkalinity	0.100 U	73.0	1.00	6.50
Conductivity	0.950	163	1.12	16.8
Total Dissolved Solids	10.0 U	103	10.0 U	27.0
pH	7.55	7.65	8.31	6.46

*				
	NH_3-N	12-13-90	Cl	12-08-90
	Fluoride	12-14-90	NO_2	12-06-90 (2818)
	pH	12-06-90 (2818)		12-07-90 (2822)
		12-07-90 (2822)	Br	12-06-90 (2818)
	Conductivity	12-06-90 (2818)		12-07-90 (2822)
		12-07-90 (2822)	NO_3	12-06-90 (2818)
	Alkalinity	12-12-90		12-07-90 (2822)
	TDS	12-07-60	PO_4	12-06-90 (2818)
	SO_4	12-06-90 (2818)		12-07-90 (2822)
		12-07-90 (2822)		
	COD	12-13-90		

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOB45 **PNELI Sample ID:** 2795-01
Sample Matrix: Water **Date Sample Received:** 11-28-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Ammonia	0.081	0.095	15.9

Client Sample ID: BOOB49 **PNELI Sample ID:** 2795-04
Sample Matrix: Water **Date Sample Received:** 11-28-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Total Dissolved Solids	615	611	0.653

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOD04 **PNELI Sample ID:** 2797-01
Sample Matrix: Water **Date Sample Received:** 11-29-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Total Dissolved Solids	301	297	1.34

Client Sample ID: BOOD23 **PNELI Sample ID:** 2797-04
Sample Matrix: Water **Date Sample Received:** 11-29-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
NO_3/NO_2	0.010 U	0.024	NC

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOB57 **PNELI Sample ID:** 2797-10
Sample Matrix: Water **Date Sample Received:** 11-29-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Chloride	14.0	14.0	0
Nitrite (NO_2-N)	0.100 U	0.100 U	NC
Nitrate (NO_3-N)	30.8	31.0	0.647
Bromide	0.500 U	0.500 U	NC
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	NC
Sulfate	57.6	60.3	4.58
Conductivity*	722	718	0.556
pH**	7.73	7.74	0.129

* units = µmhos/cm
** pH has no units

Client Sample ID: BOOD31 **PNELI Sample ID:** 2803-04
Sample Matrix: Water **Date Sample Received:** 11-30-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Fluoride	0.334	0.324	3.04

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOD42 **PNELI Sample ID:** 2803-10
Sample Matrix: Water **Date Sample Received:** 11-30-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration		Original Sample Concentration		Relative % Difference
Chemical Oxygen Demand	5.00	U	5.00	U	NC
Chloride	7.14		6.73		5.91
Nitrite (NO_2-N)	0.100	U	0.100	U	NC
Nitrate (NO_3-N)	4.12		4.11		0.243
Bromide	0.500	U	0.500	U	NC
Ortho-Phosphorus (PO_4-P)	0.100	U	0.100	U	NC
Sulfate	7.99		8.70		8.51
Alkalinity*	280		272		2.90
Conductivity**	607		608		0.165
pH***	7.15		7.07		1.13

* units = mg/ℓ $CaCO_3$
** units = µmhos/cm
*** pH has no units

Client Sample ID: BOOD58 **PNELI Sample ID:** 2807-13
Sample Matrix: Water **Date Sample Received:** 12-01-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration		Original Sample Concentration		Relative % Difference
Chloride	11.6		11.6		0
Nitrite (NO_2-N)	0.100	U	0.100	U	NC
Nitrate (NO_3-N)	5.53		5.57		0.721
Bromide	0.500	U	0.500	U	NC
Ortho-Phosphorus (PO_4-P)	0.100	U	0.100	U	NC
Sulfate	35.0		35.3		0.853
Conductivity*	425		424		0.236
Total Dissolved Solids	304		293		3.69
pH**	7.52		7.47		0.667

* units = µmhos/cm
** pH has no units

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOD70 **PNELI Sample ID:** 2812-04
Sample Matrix: Water **Date Sample Received:** 12-05-90
Units of Measure: mg/ℓ $CaCO_3$

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Alkalinity	126	128	1.58

Client Sample ID: BOOD74 **PNELI Sample ID:** 2812-07
Sample Matrix: Water **Date Sample Received:** 12-05-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Total Dissolved Solids	235	235	0.0

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOD82 **PNELI Sample ID:** 2812-13
Sample Matrix: Water **Date Sample Received:** 12-05-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration		Original Sample Concentration		Relative % Difference
Chemical Oxygen Demand	5.00	U	5.00	U	NC
Chloride	11.0		10.8		1.83
Nitrite (NO_2-N)	0.100	U	0.100	U	NC
Nitrate (NO_3-N)	2.10		2.11		0.475
Bromide	0.500	U	0.500	U	NC
Ortho-Phosphorus (PO_4-P)	0.100	U	0.100	U	NC
Sulfate	34.3		35.1		2.31
Conductivity*	423		425		0.472
Total Dissolved Solids	278		274		1.45
pH**	7.56		7.57		0.132

* units = μmhos/cm
** pH has no units

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOOD89 **PNELI Sample ID:** 2818-04
Sample Matrix: Water **Date Sample Received:** 12-06-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Ammonia	0.050 U	0.050 U	NC
Fluoride	0.175	0.165	5.88
Chloride	1.22	1.22	0
Nitrite (NO_2-N)	0.100 U	0.100 U	NC
Nitrate (NO_3-N)	0.170	0.172	1.17
Bromide	0.500 U	0.500 U	NC
Ortho-Phosphorus (PO_4-P)	0.100 U	0.100 U	NC
Sulfate	10.1	9.27	8.57
Alkalinity*	72.0	73.0	1.38
Conductivity**	163.0	162.7	0.184
pH***	7.69	7.65	0.522

* units = mg/ℓ $CaCO_3$
** units = μmhos/cm
*** pH has no units

Client Sample ID: BOODG4 **PNELI Sample ID:** 2818-07
Sample Matrix: Water **Date Sample Received:** 12-06-90
Units of Measure: mg/ℓ $CaCO_3$

Analyte	Duplicate Sample Concentration	Original Sample Concentration	Relative % Difference
Alkalinity	1.20	1.00	18.1

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INORGANIC DUPLICATE ANALYSIS REPORT

Client Sample ID: BOODK3 **PNELI Sample ID:** 2822-01
Sample Matrix: Water **Date Sample Received:** 12-07-90
Units of Measure: mg/ℓ

Analyte	Duplicate Sample Concentration		Original Sample Concentration		Relative % Difference
Nitrite (NO_2-N)	0.100	U	0.100	U	NC
Nitrate (NO_3-N)	0.173		0.171		1.16
Bromide	0.500	U	0.500	U	NC
Ortho-Phosphorus (PO_4-P)	0.100	U	0.100	U	NC
Sulfate	0.100	U	0.100	U	NC
Conductivity*	17.1		16.8		1.24
pH**	6.44		6.46		0.310

* units = μmhos/cm
** pH has no units

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INORGANIC MATRIX SPIKE ANALYSIS REPORT

Client Sample ID: BOOD23 **PNELI Sample ID:** 2797-04
Sample Matrix: Water **Date Sample Received:** 11-29-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
NO_2/NO_3	0.316	0.024	0.200	146

Client Sample ID: BOOB53 **PNELI Sample ID:** 2797-07
Sample Matrix: Water **Date Sample Received:** 11-29-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Ammonia (NH_3-N)	0.760	0.050 U	0.625	122

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INORGANIC MATRIX SPIKE ANALYSIS REPORT

Client Sample ID: BOOB57 **PNELI Sample ID:** 2797-10
Sample Matrix: Water **Date Sample Received:** 11-29-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Chloride	23.7	14.0	10.0	97.0
Nitrite (NO_2-N)	0.876	0.100 U	1.00	87.6
Nitrate (NO_3-N)	41.1	31.0	10.0	101
Bromide	0.954	0.500 U	1.00	95.4
Ortho-Phosphorus (PO_4-P)	0.896	0.100 U	1.00	89.6
Sulfate	77.5	60.3	20.0	86.0

Client Sample ID: BOOD31 **PNELI Sample ID:** 2803-04
Sample Matrix: Water **Date Sample Received:** 11-30-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Fluoride	0.556	0.324	0.250	92.8

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INORGANIC MATRIX SPIKE ANALYSIS REPORT

Client Sample ID: BOOD42 **PNELI Sample ID:** 2803-10
Sample Matrix: Water **Date Sample Received:** 11-30-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Chloride	16.4	6.73	10.0	96.7
Nitrite (NO_2-N)	1.03	0.100 U	1.00	103
Nitrate (NO_3-N)	5.20	4.11	1.00	109
Bromide	0.981	0.500 U	1.00	98.1
Ortho-Phosphorus (PO_4-P)	0.903	0.100 U	1.00	90.3
Sulfate	18.2	8.70	10.0	95.0

Client Sample ID: BOOD58 **PNELI Sample ID:** 2807-13
Sample Matrix: Water **Date Sample Received:** 12-01-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Chloride	20.6	11.6	10.0	90.0
Nitrite (NO_2-N)	0.866	0.100 U	1.00	86.6
Nitrate (NO_3-N)	14.3	5.57	10.0	87.2
Bromide	1.03	0.500 U	1.00	103
Ortho-Phosphorus (PO_4-P)	0.923	0.100 U	1.00	92.3
Sulfate	44.8	35.3	10.0	95.0

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INORGANIC MATRIX SPIKE ANALYSIS REPORT

Client Sample ID: BOOD82 **PNELI Sample ID:** 2812-13
Sample Matrix: Water **Date Sample Received:** 12-05-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Chloride	20.4	10.8	10.0	96.0
Nitrite (NO_2-N)	0.976	0.100 U	1.00	97.6
Nitrate (NO_3-N)	3.33	2.11	1.00	122
Bromide	1.11	0.500 U	1.00	111
Ortho-Phosphorus (PO_4-P)	1.09	1.100 U	1.00	109
Sulfate	43.6	35.1	10.0	85.0

Client Sample ID: BOOD89 **PNELI Sample ID:** 2818-04
Sample Matrix: Water **Date Sample Received:** 12-06-90
Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Ammonia (NH_3-N)	0.578	0.050 U	0.625	92.5
Fluoride	0.412	0.165	0.250	98.8
Chloride	2.08	1.22	1.00	86.0
Nitrite (NO_2-N)	0.789	0.100 U	1.00	78.9
Nitrate (NO_3-N)	0.943	0.172	1.00	79.2
Bromide	0.823	0.500 U	1.00	82.3
Ortho-Phosphorus (PO_4-P)	0.842	0.100 U	1.00	84.2
Sulfate	19.6	9.27	10.0	103

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INORGANIC MATRIX SPIKE ANALYSIS REPORT

Client Sample ID: BOODK3 **PNELI Sample ID:** 2822-01

Sample Matrix: Water **Date Sample Received:** 12-07-90

Units of Measure: mg/ℓ

Analyte	Spike Sample Concentration	Original Sample Concentration	Spike Level	Percent Recovery
Nitrite (NO_2-N)	0.873	0.100 U	1.00	87.3
Nitrate (NO_3-N)	1.03	0.171	1.00	85.9
Bromide	0.938	0.500 U	1.00	93.8
Ortho-Phosphorus (PO_4-P)	0.897	0.100 U	1.00	89.7
Sulfate	1.11	0.100 U	1.00	111

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOB45	BOOB49	BOOD04	BOOD23
PNELI Sample ID	2795-01	2795-04	2797-01	2797-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-28-90	11-28-90	11-29-90	11-29-90
Date Sample Analyzed	12-05-90	12-05-90	12-05-90	12-05-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	38	41	28	23

Client Sample ID	BOOB53	BOOB57	BOOD27	BOOD31
PNELI Sample ID	2797-07	2797-10	2803-01	2803-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-29-90	11-29-90	11-30-90	11-30-90
Date Sample Analyzed	12-05-90	12-05-90	12-06-90	12-06-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	24	33	26	23

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD35	BOOD42	BOOD60	BOOD62
PNELI Sample ID	2803-07	2803-10	2803-13	2807-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-30-90	11-30-90	11-30-90	12-01-90
Date Sample Analyzed	12-06-90	12-06-90	12-06-90	12-06-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	28	43	<2.0	17

Client Sample ID	BOOD46	BOOD54	BOOD50	BOOD58
PNELI Sample ID	2807-04	2807-07	2807-10	2807-13
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-01-90	12-01-90	12-01-90	12-01-90
Date Sample Analyzed	12-06-90	12-06-90	12-06-90	12-06-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	38	22	26	18

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD66	BOOD70	BOOD74	BOOD78
PNELI Sample ID	2812-01	2812-04	2812-07	2812-10
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-05-90	12-05-90	12-05-90	12-05-90
Date Sample Analyzed	12-13-90	12-13-90	12-13-90	12-13-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	12	14	11	9.5

Client Sample ID	BOOD82	BOODF5	BOOD89	BOODG4
PNELI Sample ID	2812-13	2818-01	2818-04	2818-07
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-05-90	12-06-90	12-06-90	12-06-90
Date Sample Analyzed	12-13-90	12-13-90	12-13-90	12-13-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	15	4.7	4.6	<2.0

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOODK3	Blank	Blank	Blank
PNELI Sample ID	2822-01	2795-MB	2797-MB	2803/ 2807-MB
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-07-90	NA	NA	NA
Date Sample Analyzed	12-13-90	12-05-90	12-05-90	12-06-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Carbon	<2.0	<2.0	<2.0	<2.0

Client Sample ID	Blank	Blank	Blank
PNELI Sample ID	2812-MB	2818-MB	2822-MB
Sample Matrix	Water	Water	Water
Date Sample Received	NA	NA	NA
Date Sample Analyzed	12-13-90	12-13-90	12-13-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ
Compound			
Total Organic Carbon	<2.0	<2.0	<2.0

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOB45	BOOB49	BOOD04	BOOD23
PNELI Sample ID	2795-01	2795-04	2797-01	2797-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-28-90	11-28-90	11-29-90	11-29-90
Date Sample Analyzed	12-05-90	12-05-90	12-05-90	12-05-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	0.062	0.074	0.141	0.078

Client Sample ID	BOOB53	BOOB57	BOOD27	BOOD31
PNELI Sample ID	2797-07	2797-10	2803-01	2803-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-29-90	11-29-90	11-30-90	11-30-90
Date Sample Analyzed	12-05-90	12-05-90	12-11-90	12-11-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	0.109	0.091	0.071	0.130

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INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD35	BOOD42	BOOD62	BOOD46
PNELI Sample ID	2803-07	2803-10	2807-01	2807-04
Sample Matrix	Water	Water	Water	Water
Date Sample Received	11-30-90	11-30-90	12-01-90	12-01-90
Date Sample Analyzed	12-11-90	12-11-90	12-11-90	12-11-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	0.077	0.071	0.079	0.080

Client Sample ID	BOOD54	BOOD50	BOOD58	BOOD66
PNELI Sample ID	2807-07	2807-10	2807-13	2812-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-01-90	12-01-90	12-01-90	12-05-90
Date Sample Analyzed	12-11-90	12-11-90	12-11-90	12-17-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	0.094	0.068	0.050	0.102

INORGANIC ANALYSIS REPORT

Client Sample ID	BOOD70	BOOD74	BOOD78	BOOD82
PNELI Sample ID	2812-04	2812-07	2812-10	2812-13
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-05-90	12-05-90	12-05-90	12-05-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-17-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	0.100	0.099	0.070	0.054

Client Sample ID	BOODF5	BOOD89	BOODG4	BOODK3
PNELI Sample ID	2818-01	2818-04	2818-07	2822-01
Sample Matrix	Water	Water	Water	Water
Date Sample Received	12-06-90	12-06-90	12-06-90	12-07-90
Date Sample Analyzed	12-17-90	12-17-90	12-17-90	12-18-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	0.075	0.035	0.064	0.045

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INORGANIC ANALYSIS REPORT

Client Sample ID	Blank	Blank	Blank	Blank
PNELI Sample ID	2795-MB	2797-MB	2803/ 2807-MB	2812/ 2818-MB
Sample Matrix	Water	Water	Water	Water
Date Sample Received	NA	NA	NA	NA
Date Sample Analyzed	12-05-90	12-05-90	12-11-90	12-17-90
Units of Measure	mg/ℓ	mg/ℓ	mg/ℓ	mg/ℓ
Compound				
Total Organic Halides (TOX)	<0.02	<0.02	<0.005	<0.005

Client Sample ID	Blank
PNELI Sample ID	2822-MB
Sample Matrix	Water
Date Sample Received	NA
Date Sample Analyzed	12-18-90
Units of Measure	mg/ℓ
Compound	
Total Organic Halides (TOX)	<0.005