

**PALOS VERDES LANDFILL
REMEDIAL INVESTIGATION REPORT**

APPENDIX B.3.2.1

**OUTSIDE LABORATORY DATA SHEETS
BATCH QA/QC FOR THE FIRST GROUND WATER
SAMPLES FROM NEW MONITORING WELLS**



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LACSD Lab I.D. Number: 10158

02/09/1994

Chris Wissman
L.A. County Sanitation Dis
SJC Water Quality Lab
1965 Workman Mill Rd.
Whittier, CA 90607

Client Ref: PVLG Groundwater
Date Received: 01/11/1994

Sample analysis for the project referred to above has been completed and results are located on attached pages.

Please note that pH and Nitrate samples were received outside the recommended holding time. Results for Nitrate, Chloride and Sulfate by method 300.0 were submitted by NET-Santa Rosa.

Matrix Spike results for SJ70412 & SJ70417 have been reported under NET Job number 94.00199.

Should you have questions regarding procedures or results, please feel welcome to contact our Client Services Representatives or the Laboratory Director.

Kimberly S. Banks
Kimberly S. Banks
Project Manager

SA
Entered
03/01/94
WPM

KB:rm
Attachments:
Analytical Reports
Chain of Custody Document

Client Net Acct No: 16750
NET Job No: 94.00029





Client Name: L.A. County Sanitation Dis
Client Ref.: PVLFGroundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ-70420

Lab No. : 60581

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Nitrate, as N	300.0	4.5	mg/L	1.0
pH	150.1	7.4	pH units	
Conductivity	120.1	2,660	umhos/cm	1.0
Chloride	325.3	190	mg/L	1.0
Sulfate	375.4	970	mg/L	1.0

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLFGroundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ-70420

Lab No. : 60581

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
METHOD 601 & 602 (GC,Liquid)				
DATE ANALYZED		01-19-94		
Dilution Factor	601	1		
Bromodichloromethane	601	ND	ug/L	0.5
Bromoform	601	ND	ug/L	1.0
Bromomethane	601	ND	ug/L	1.0
Carbon tetrachloride	601	ND	ug/L	0.5
Chlorobenzene	602	ND	ug/L	0.5
Chloroethane	601	ND	ug/L	1.0
2-Chloroethylvinyl ether	601	ND	ug/L	1.0
Chloroform	601	ND	ug/L	0.5
Chloromethane	601	ND	ug/L	1.0
Dibromochloromethane	601	ND	ug/L	0.5
1,2-Dichlorobenzene	602	ND	ug/L	0.5
1,3-Dichlorobenzene	602	ND	ug/L	0.5
1,4-Dichlorobenzene	602	ND	ug/L	0.5
Dichlorodifluoromethane	601	ND	ug/L	1.0
1,1-Dichloroethane	601	ND	ug/L	0.5
1,2-Dichloroethane	601	ND	ug/L	0.5
1,1-Dichloroethene	601	ND	ug/L	0.5
trans-1,2-Dichloroethene	601	ND	ug/L	0.5
1,2-Dichloropropane	601	ND	ug/L	0.5
cis-1,3-Dichloropropene	601	ND	ug/L	0.5
trans-1,3-Dichloropropene	601	ND	ug/L	0.5
Methylene chloride	601	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	601	ND	ug/L	0.5
Tetrachloroethene	601	ND	ug/L	0.5
1,1,1-Trichloroethane	601	ND	ug/L	0.5
1,1,2-Trichloroethane	601	ND	ug/L	0.5
Trichloroethene	601	ND	ug/L	0.5
Trichlorofluoromethane	601	ND	ug/L	1.0
Vinyl chloride	601	ND	ug/L	1.0
Benzene	602	ND	ug/L	0.5
Ethylbenzene	602	ND	ug/L	0.5
Toluene	602	ND	ug/L	0.5
Xylenes (total)	602	ND	ug/L	1.5
Surrogate Spike		--		
2-Chlorotoluene	601/602	92	% Rec.	

No other compounds were detected by this method.

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLG Groundwater

Date Taken: 01/06/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ-70421

Lab No. : 60582

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Nitrate, as N	300.0	ND	mg/L	1.0
pH	150.1	7.2	pH units	
Conductivity	120.1	3,420	umhos/cm	1.0
Chloride	190	207	mg/L	1.0
Sulfate	970	1,730	mg/L	1.0

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLFGroundwater

Date Taken: 01/06/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ-70421

Lab No. : 60582

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
METHOD 601 & 602 (GC,Liquid)				
DATE ANALYZED		01-19-94		
Dilution Factor	601	1		
Bromodichloromethane	601	ND	ug/L	0.5
Bromoform	601	ND	ug/L	1.0
Bromomethane	601	ND	ug/L	1.0
Carbon tetrachloride	601	ND	ug/L	0.5
Chlorobenzene	602	ND	ug/L	0.5
Chloroethane	601	ND	ug/L	1.0
2-Chloroethylvinyl ether	601	ND	ug/L	1.0
Chloroform	601	ND	ug/L	0.5
Chloromethane	601	ND	ug/L	1.0
Dibromochloromethane	601	ND	ug/L	0.5
1,2-Dichlorobenzene	602	ND	ug/L	0.5
1,3-Dichlorobenzene	602	ND	ug/L	0.5
1,4-Dichlorobenzene	602	ND	ug/L	0.5
Dichlorodifluoromethane	601	ND	ug/L	1.0
1,1-Dichloroethane	601	ND	ug/L	0.5
1,2-Dichloroethane	601	ND	ug/L	0.5
1,1-Dichloroethene	601	ND	ug/L	0.5
trans-1,2-Dichloroethene	601	ND	ug/L	0.5
1,2-Dichloropropane	601	ND	ug/L	0.5
cis-1,3-Dichloropropene	601	ND	ug/L	0.5
trans-1,3-Dichloropropene	601	ND	ug/L	0.5
Methylene chloride	601	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	601	ND	ug/L	0.5
Tetrachloroethene	601	ND	ug/L	0.5
1,1,1-Trichloroethane	601	ND	ug/L	0.5
1,1,2-Trichloroethane	601	ND	ug/L	0.5
Trichloroethene	601	ND	ug/L	0.5
Trichlorofluoromethane	601	ND	ug/L	1.0
Vinyl chloride	601	ND	ug/L	1.0
Benzene	602	ND	ug/L	0.5
Ethylbenzene	602	ND	ug/L	0.5
Toluene	602	ND	ug/L	0.5
Xylenes (total)	602	ND	ug/L	1.5
Surrogate Spike		--		
2-Chlorotoluene	601/602	74	% Rec.	

No other compounds were detected by this method.

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLG Groundwater

Date Taken: 01/06/1994

Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70410

Lab No. : 60583

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.005	mg/L	0.003
Barium (ICP)	200.7	0.03	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	263	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	ND	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	224	mg/L	0.50
Manganese (ICP)	200.7	0.12	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	0.095	mg/L	0.01
Silver (ICP)	200.7	0.03	mg/L	0.02
Sodium (ICP)	200.7	153	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.05	mg/L	0.02

Calcium Hardness = 657 mg/L
Magnesium Hardness = 923 mg/L

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLG Groundwater

Date Taken: 01/06/1994

Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70412

Lab No. : 60584

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	0.05	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	211	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	ND	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	197	mg/L	0.50
Manganese (ICP)	200.7	0.32	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	0.03	mg/L	0.02
Sodium (ICP)	200.7	149	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.03	mg/L	0.02

Calcium Hardness = 527 mg/L
Magnesium Hardness = 811 mg/L

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLG Groundwater

Date Taken: 01/06/1994

Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70415

Lab No. : 60585

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.014	mg/L	0.003
Barium (ICP)	200.7	0.05	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	324	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	1.25	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	192	mg/L	0.50
Manganese (ICP)	200.7	0.19	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	0.04	mg/L	0.05
Selenium (Hydride)	7741	0.099	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	147	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.05	mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLV Groundwater

Date Taken: 01/06/1994

Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70417

Lab No. : 60586

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.004	mg/L	0.003
Barium (ICP)	200.7	0.05	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	211	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	0.25	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	194	mg/L	0.50
Manganese (ICP)	200.7	0.32	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	158	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	ND	mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLf Groundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70411

Lab No. : 60587

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	0.04	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	444	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	2.13	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	220	mg/L	0.50
Manganese (ICP)	200.7	1.44	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	134	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.04	mg/L	0.02

Calcium Hardness = 1109

Magnesium Hardness = 906

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLFGroundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70413

Lab No. : 60588

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	ND	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	0.06	mg/L	0.01
Calcium (ICP)	200.7	617	mg/L	0.50
Chromium (ICP)	200.7	0.03	mg/L	0.02
Cobalt (ICP)	200.7	0.18	mg/L	0.05
Iron (ICP)	200.7	2.99	mg/L	0.10
Lead (ICP)	200.7	0.15	mg/L	0.10
Magnesium (ICP)	200.7	248	mg/L	0.50
Manganese (ICP)	200.7	3.32	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	1.29	mg/L	0.05
Selenium (Hydride)	7741	0.34	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	336	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	1.41	mg/L	0.02

Calcium Hardness = 1541
Magnesium Hardness = 1021

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLFGroundwater

Date Taken: 01/07/1994

Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70414

Lab No. : 60589

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	ND	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	0.06	mg/L	0.01
Calcium (ICP)	200.7	618	mg/L	0.50
Chromium (ICP)	200.7	0.04	mg/L	0.02
Cobalt (ICP)	200.7	0.20	mg/L	0.05
Iron (ICP)	200.7	2.96	mg/L	0.10
Lead (ICP)	200.7	0.17	mg/L	0.10
Magnesium (ICP)	200.7	256	mg/L	0.50
Manganese (ICP)	200.7	3.51	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	1.36	mg/L	0.05
Selenium (Hydride)	7741	0.28	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	317	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	1.47	mg/L	0.02

Calcium Hardness = 1543
Magnesium Hardness = 1054

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLG Groundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70416

Lab No. : 60590

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	0.04	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	496	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	2.18	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	219	mg/L	0.50
Manganese (ICP)	200.7	1.56	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	0.03	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	118	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.03	mg/L	0.02

Calcium Hardness \approx 1239
Magnesium Hardness \approx 902

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLFGroundwater

Date Taken: 01/07/1994

Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70418

Lab No. : 60591

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	ND	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	0.06	mg/L	0.01
Calcium (ICP)	200.7	604	mg/L	0.50
Chromium (ICP)	200.7	0.05	mg/L	0.02
Cobalt (ICP)	200.7	0.21	mg/L	0.05
Iron (ICP)	200.7	5.02	mg/L	0.10
Lead (ICP)	200.7	0.18	mg/L	0.10
Magnesium (ICP)	200.7	277	mg/L	0.50
Manganese (ICP)	200.7	3.87	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	1.46	mg/L	0.05
Selenium (Hydride)	7741	0.340	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	336	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	1.50	mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLFGroundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70419

Lab No. : 60592

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	ND	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	0.06	mg/L	0.01
Calcium (ICP)	200.7	626	mg/L	0.50
Chromium (ICP)	200.7	0.05	mg/L	0.02
Cobalt (ICP)	200.7	0.22	mg/L	0.05
Iron (ICP)	200.7	5.37	mg/L	0.10
Lead (ICP)	200.7	0.19	mg/L	0.10
Magnesium (ICP)	200.7	275	mg/L	0.50
Manganese (ICP)	200.7	3.91	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	1.45	mg/L	0.05
Selenium (Hydride)	7741	0.278	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	321	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	1.54	mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLV Groundwater

Date Taken: 01/07/1994
Date Reported: 02/09/1994

NET Job No.: 94.00029

Sample ID : SJ 70420

Lab No. : 60593

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.010	mg/L	0.003
Barium (ICP)	200.7	0.04	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	408	mg/L	0.50
Chromium (ICP)	200.7	0.04	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	1.27	mg/L	0.10
Lead (ICP)	200.7	0.12	mg/L	0.10
Magnesium (ICP)	200.7	205	mg/L	0.50
Manganese (ICP)	200.7	0.23	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	0.07	mg/L	0.05
Selenium (Hydride)	7741	0.130	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	129	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.06	mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.



QUALITY CONTROL REPORT

L.A. County Sanitation Dis
SJC Water Quality Lab
1965 Workman Mill Rd.
Whittier, CA 90607
Lorrie Losorelli

02/07/1994

NET Job Number: 94.00029

Enclosed is the Quality Control data for the following samples submitted to NET, Inc. - Burbank for analysis:

Sample Number	Sample Description	Date Taken	Date Received
60581	SJ-70420	01/07/1994	01/11/1994
60582	SJ-70421	01/06/1994	01/11/1994
60583	SJ 70410	01/06/1994	01/11/1994
60584	SJ 70412	01/06/1994	01/11/1994
60585	SJ 70415	01/06/1994	01/11/1994
60586	SJ 70417	01/06/1994	01/11/1994
60587	SJ 70411	01/07/1994	01/11/1994
60588	SJ 70413	01/07/1994	01/11/1994
60589	SJ 70414	01/07/1994	01/11/1994
60590	SJ 70416	01/07/1994	01/11/1994
60591	SJ 70418	01/07/1994	01/11/1994
60592	SJ 70419	01/07/1994	01/11/1994
60593	SJ 70420	01/07/1994	01/11/1994

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.



QUALITY CONTROL REPORT CONTINUING CALIBRATION VERIFICATION

NET Job Number: 94.00029

02/07/1994

Analyte	Run Batch Number	Run Batch Flags	CCV True Concentration	Concentration Found	Percent Recovery
pH	250		10.0	9.94	99.4
Conductivity	74		993	1,000	100.7
Antimony (Hydride)	17		0.02	0.020	100.0
Arsenic (Hydride)	89		0.02	0.021	105.0
Barium (ICP)	269		5.0	4.97	99.4
Beryllium (ICP)	269		5.0	4.93	98.6
Cadmium (ICP)	269		5.0	5.03	100.6
Calcium (ICP)	268		50.0	51.3	102.6
Chromium (ICP)	277		5.0	4.97	99.4
Cobalt (ICP)	269		5.0	5.06	101.2
Iron (ICP)	268		10.0	9.60	96.0
Lead (ICP)	184		5.0	5.14	102.8
Magnesium (ICP)	267		50.0	50.6	101.2
Manganese (ICP)	267		5.0	4.92	98.4
Mercury (CVAA)	71		0.0025	0.0023	92.0
Molybdenum (ICP)	267		5.0	5.16	103.2
Nickel (ICP)	269		5.0	4.96	99.2
Selenium (Hydride)	76		0.025	0.025	100.0
Silver (ICP)	269		1.0	1.10	110.0
Sodium (ICP)	268		50.0	53.8	107.6
Vanadium (ICP)	267		5.0	4.99	99.8
Zinc (ICP)	268		5.0	5.11	102.2
METHOD 601 & 602 (GC,Liquid)					
Bromodichloromethane	108		10.0	9.61	96.1
Bromoform	108		10.0	10.5	105.0
Bromomethane	108		10.0	10.4	104.0
Carbon tetrachloride	108		10.0	9.30	93.0
Chlorobenzene	108		10.0	9.45	94.5
Chloroethane	108		10.0	8.81	88.1
2-Chloroethylvinyl ether	108		10.0	9.60	96.0
Chloroform	108		10.0	9.29	92.9
Chloromethane	108		10.0	9.72	97.2
Dibromochloromethane	108		10.0	9.62	96.2
1,2-Dichlorobenzene	108		10.0	9.61	96.1
CCV - Continuing Calibration Verification					



QUALITY CONTROL REPORT CONTINUING CALIBRATION VERIFICATION

NET Job Number: 94.00029

02/07/1994

Analyte	Run Batch Number	Run Batch Flags	CCV True Concentration	Concentration Found	Percent Recovery
1,3-Dichlorobenzene	108		10.0	10.6	106.0
1,4-Dichlorobenzene	108		10.0	10.9	109.0
Dichlorodifluoromethane	108		10.0	10.8	108.0
1,1-Dichloroethane	108		10.0	8.94	89.4
1,2-Dichloroethane	108		10.0	9.42	94.2
1,1-Dichloroethene	108		10.0	8.65	86.5
trans-1,2-Dichloroethene	108		10.0	8.34	83.4
1,2-Dichloropropane	108		10.0	9.38	93.8
cis-1,3-Dichloropropene	108		10.0	9.16	91.6
trans-1,3-Dichloropropene	108		10.0	9.36	93.6
Methylene chloride	108		10.0	9.19	91.9
1,1,2,2-Tetrachloroethane	108		10.0	9.42	94.2
Tetrachloroethene	108		10.0	9.19	91.9
1,1,1-Trichloroethane	108		10.0	9.21	92.1
1,1,2-Trichloroethane	108		10.0	9.11	91.1
Trichloroethene	108		10.0	9.33	93.3
Trichlorofluoromethane	108		10.0	8.93	89.3
Vinyl chloride	108		10.0	8.75	87.5
Benzene	108		10.0	9.78	97.8
Ethylbenzene	108		10.0	9.79	97.9
Toluene	108		10.0	9.95	99.5
Xylenes (total)	108		30.0	28.7	95.7
2-Chlorotoluene	108		20.0	18.1	90.5

CCV - Continuing Calibration Verification



QUALITY CONTROL REPORT BLANKS

02/07/1994

NET Job Number: 94.00029

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis	Flags	Units
pH		250	ND		pH units
Conductivity		74	ND		umhos/cm
Antimony (Hydride)	103	17	ND		mg/L
Arsenic (Hydride)	103	89	ND		mg/L
Barium (ICP)	95	104	ND		mg/L
Barium (ICP)	95	269	ND		mg/L
Beryllium (ICP)	95	104	ND		mg/L
Beryllium (ICP)	95	269	ND		mg/L
Cadmium (ICP)	95	104	ND		mg/L
Cadmium (ICP)	95	269	ND		mg/L
Calcium (ICP)	95	268	ND		mg/L
Chromium (ICP)	95	104	ND		mg/L
Chromium (ICP)	95	277	ND		mg/L
Cobalt (ICP)	95	104	ND		mg/L
Cobalt (ICP)	95	269	ND		mg/L
Iron (ICP)	95	268	ND		mg/L
Lead (ICP)	95	104	ND		mg/L
Lead (ICP)	95	184	ND		mg/L
Magnesium (ICP)	95	267	ND		mg/L
Manganese (ICP)	95	267	ND		mg/L
Mercury (CVAA)	105	71	ND		mg/L
Molybdenum (ICP)	95	104	ND		mg/L
Molybdenum (ICP)	95	267	ND		mg/L
Nickel (ICP)	95	104	ND		mg/L
Nickel (ICP)	95	269	ND		mg/L
Selenium (Hydride)	103	76	ND		mg/L
Silver (ICP)	95	104	ND		mg/L
Silver (ICP)	95	269	ND		mg/L
Sodium (ICP)	95	268	ND		mg/L
Vanadium (ICP)	95	104	ND		mg/L
Vanadium (ICP)	95	267	ND		mg/L

Advisory Control Limits for Blanks:

Metals/Wet Chemistry/ Conventional/GC - all compounds should be less than the Reporting Limit.

GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

Volatiles - Toluene, methylene chloride, acetone and chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.



QUALITY CONTROL REPORT BLANKS

02/07/1994

NET Job Number: 94.00029

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis	Flags	Units
Zinc (ICP)	95	104	ND		mg/L
Zinc (ICP)	95	268	ND		mg/L
METHOD 601 & 602 (GC,Liquid)					
Bromodichloromethane		108	ND		ug/L
Bromoform		108	ND		ug/L
Bromomethane		108	ND		ug/L
Carbon tetrachloride		108	ND		ug/L
Chlorobenzene		108	ND		ug/L
Chloroethane		108	ND		ug/L
2-Chloroethylvinyl ether		108	ND		ug/L
Chloroform		108	ND		ug/L
Chloromethane		108	ND		ug/L
Dibromochloromethane		108	ND		ug/L
1,2-Dichlorobenzene		108	ND		ug/L
1,3-Dichlorobenzene		108	ND		ug/L
1,4-Dichlorobenzene		108	ND		ug/L
Dichlorodifluoromethane		108	ND		ug/L
1,1-Dichloroethane		108	ND		ug/L
1,2-Dichloroethane		108	ND		ug/L
1,1-Dichloroethene		108	ND		ug/L
trans-1,2-Dichloroethene		108	ND		ug/L
1,2-Dichloropropane		108	ND		ug/L
cis-1,3-Dichloropropene		108	ND		ug/L
trans-1,3-Dichloropropene		108	ND		ug/L
Methylene chloride		108	ND		ug/L
1,1,2,2-Tetrachloroethane		108	ND		ug/L
Tetrachloroethene		108	ND		ug/L
1,1,1-Trichloroethane		108	ND		ug/L
1,1,2-Trichloroethane		108	ND		ug/L
Trichloroethene		108	ND		ug/L
Trichlorofluoromethane		108	ND		ug/L
Vinyl chloride		108	ND		ug/L
Benzene		108	ND		ug/L

Advisory Control Limits for Blanks:

Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.

GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

Volatiles - Toluene, methylene chloride, acetone and chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.



QUALITY CONTROL REPORT BLANKS

02/07/1994

NET Job Number: 94.00029

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis	Flags	Units
Ethylbenzene		108	ND		ug/L
Toluene		108	ND		ug/L
Xylenes (total)		108	ND		ug/L
Surrogate Spike		108	--		
2-Chlorotoluene		108	67		% Rec.

Advisory Control Limits for Blanks:

Metals/Wet Chemistry/ Conventional/GC - all compounds should be less than the Reporting Limit.

GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

Volatiles - Toluene, methylene chloride, acetone and chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.



QUALITY CONTROL REPORT LABORATORY CONTROL STANDARD

NET Job Number: 94.00029

02/07/1994

Analyte		Prep	Run	LCS	LCS	LCS	Flags/	Units
		Batch	Batch	True	Concentration		RPD	
		Number	Number	Concentration	Found	% Recovery	%	
Antimony	(Hydride)	103	17	0.02	0.020	100.0		mg/L
Arsenic	(Hydride)	103	89	0.02	0.020	100.0		mg/L
Barium	(ICP)	95	269	5	4.78	95.6		mg/L
Beryllium	(ICP)	95	269	0.4	0.43	107.5		mg/L
Cadmium	(ICP)	95	269	0.4	0.41	102.5		mg/L
Calcium	(ICP)	95	268	50	50.2	100.4		mg/L
Chromium	(ICP)	95	277	1.0	0.98	98.0		mg/L
Cobalt	(ICP)	95	269	0.4	0.42	105.0		mg/L
Iron	(ICP)	95	268	1.0	1.06	106.0		mg/L
Lead	(ICP)	95	104	1	0.80	80.00		mg/L
Lead	(ICP)	95	184	1.0	1.05	105.0		mg/L
Magnesium	(ICP)	95	267	50	49.9	99.8		mg/L
Manganese	(ICP)	95	267	0.4	0.42	105.0		mg/L
Mercury	(CVAA)	105	71	0.0050	0.0048	96.0		mg/L
Molybdenum	(ICP)	95	267	4.0	3.99	99.8		mg/L
Nickel	(ICP)	95	269	1.0	0.98	98.0		mg/L
Selenium	(Hydride)	103	76	0.02	0.020	100.0		mg/L
Silver	(ICP)	95	269	0.4	0.37	92.5		mg/L
Sodium	(ICP)	95	268	50	51.6	103.2		mg/L
Vanadium	(ICP)	95	267	10	9.54	95.4		mg/L
Zinc	(ICP)	95	268	1.0	1.02	102.0		mg/L
METHOD 601 & 602 (GC,Liquid)								
Chlorobenzene			108	20	8.22	41.1		ug/L
1,1-Dichloroethene			108	10	9.11	91.1		ug/L
Trichloroethene			108	10	8.45	84.5		ug/L
Benzene			108	10	9.73	97.3		ug/L
Toluene			108	10	9.94	99.4		ug/L
2-Chlorotoluene			108	20	15.3	76.5		% Rec.

LCS - Laboratory Control Standard

Advisory Control Limits - Inorganics - LCS recovery should be 80 - 120%.



QUALITY CONTROL REPORT MATRIX SPIKE/MATRIX SPIKE DUPLICATE

NET Job Number: 94.00029

02/07/1994

Analyte	Prep Batch Number	Run Batch Number	Matrix Spike Result	Sample Result	Spike/		Percent Recovery	MSD Result	Percent Recovery	MS/MSD RPD	Flags
					MSD Amount	Units					
Antimony (Hydride)	103	17	0.021	ND	0.02	mg/L	105.0	0.021	105.0	0.0	
Arsenic (Hydride)	103	89	0.023	ND	0.02	mg/L	115.0	0.023	115.0	0.0	
Barium (ICP)	95	269	4.52	0.05	5.0	mg/L	89.4	4.59	90.8	1.6	
Beryllium (ICP)	95	269	0.40	ND	0.4	mg/L	100.0	0.41	102.5	2.5	
Cadmium (ICP)	95	269	0.41	ND	0.4	mg/L	102.5	0.40	100.0	2.5	
Calcium (ICP)	95	268	259	211	50	mg/L	96.0	255	88.0	8.7	
Chromium (ICP)	95	277	0.91	ND	1.0	mg/L	91.0	0.91	91.0	0.0	
Cobalt (ICP)	95	269	0.42	ND	0.4	mg/L	105.0	0.41	102.5	2.4	
Iron (ICP)	95	268	1.08	ND	1.0	mg/L	108.0	1.09	109.0	0.9	
Lead (ICP)	95	184	1.11	ND	1.0	mg/L	111.0	1.11	111.0	0.0	
Magnesium (ICP)	95	267	246	197	50	mg/L	98.0	239	84.0	15.4	
Manganese (ICP)	95	267	0.70	0.32	0.4	mg/L	95.0	0.70	95.0	0.0	
Mercury (CVAA)	105	71	0.0048	ND	0.0050	mg/L	96.0	0.0046	92.0	4.3	
Molybdenum (ICP)	95	267	3.97	ND	4.0	mg/L	99.3	3.93	98.3	1.0	
Nickel (ICP)	95	269	0.92	ND	1.0	mg/L	92.0	0.93	93.0	1.1	
Selenium (Hydride)	103	76	0.025	ND	0.02	mg/L	125.0	0.025	125.0	0.0	
Silver (ICP)	95	269	0.36	ND	0.4	mg/L	90.0	0.36	90.0	0.0	
Sodium (ICP)	95	268	200	149	50	mg/L	102.0	196	94.0	8.1	
Vanadium (ICP)	95	267	9.48	ND	10	mg/L	94.8	9.34	93.4	1.5	
Zinc (ICP)	95	268	1.01	0.03	1.0	mg/L	98.0	1.00	97.0	1.0	
METHOD 601 & 602 (GC,Liquid)											
Chlorobenzene		108	22.2	ND	20	ug/L	111.0	20.7	103.5	7.0	
1,1-Dichloroethene		108	19.0	ND	20	ug/L	95.0	18.6	93.0	2.1	
Trichloroethene		108	21.7	ND	20	ug/L	108.5	21.4	107.0	1.4	
Benzene		108	22.7	ND	20	ug/L	113.5	21.7	108.5	4.5	
Toluene		108	23.5	ND	20	ug/L	117.5	21.7	108.5	8.0	

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference



QUALITY CONTROL REPORT DUPLICATES

NET Job Number: 94.00029

02/07/1994

Analyte	Prep Batch Number	Run Batch Number	Original Analysis	Duplicate Analysis	Units	Flags	RPD
pH		250	7.4	7.4	pH units		0.0
Conductivity		74	2,660	2,660	umhos/cm		0.0

NOTE: Spikes and Duplicates may not be samples from this job.

RPD - Relative Percent Difference

Advisory Control Limits for Duplicates - RPD should be less than 20.



Client Acct: 6502
Client Name: NET - Burbank
NET Job No: 94.00140

Date: 01/24/1994
ELAP Certificate: 1386
Page: 2

Ref: Project: LA Co/94.00029

SAMPLE DESCRIPTION: 60581
Date Taken: 01/07/1994
Time Taken:
NET Sample No: 182787

<u>Parameter</u>	<u>Results</u>	<u>Flags</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Method</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>
Chloride	190		1.0	mg/L	300.0		01/20/1994
Sulfate	970		1.0	mg/L	300.0		01/20/1994
Nitrate, as N	4.5		1.0	mg/L	300.0		01/19/1994

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Acct: 6502
Client Name: NET - Burbank
NET Job No: 94.00140

Date: 01/24/1994
ELAP Certificate: 1386
Page: 3

Ref: Project: LA Co/94.00029

SAMPLE DESCRIPTION: 60582
Date Taken: 01/06/1994
Time Taken:
NET Sample No: 182788

<u>Parameter</u>	<u>Results</u>	<u>Flags</u>	<u>Reporting</u>		<u>Method</u>	<u>Date</u>	<u>Date</u>
			<u>Limit</u>	<u>Units</u>		<u>Extracted</u>	<u>Analyzed</u>
Chloride	200		1.0	mg/L	300.0		01/20/1994
Sulfate	1,900		1.0	mg/L	300.0		01/20/1994
Nitrate, as N	ND		1.0	mg/L	300.0		01/19/1994

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Acct: 6502
Client Name: NET - Burbank
NET Job No: 94.00140

Date: 01/24/1994
ELAP Certificate: 1386
Page: 4

Ref: Project: LA Co/94.00029

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials
	Standard	Standard	Standard			
	% Recovery	Amount Found	Amount Expected			
Chloride	97.7	10.04	10.28	mg/L	01/20/1994	vid
Sulfate	100.5	4.02	4.00	mg/L	01/20/1994	vid
Nitrate, as N	99.2	1.31	1.32	mg/L	01/19/1994	mee

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Acct: 6502
Client Name: NET - Burbank
NET Job No: 94.00140

Date: 01/24/1994
ELAP Certificate: 1386
Page: 5

Ref: Project: LA Co/94.00029

METHOD BLANK REPORT

<u>Parameter</u>	Method	Reporting		Date	Analyst
	Blank	Amount	Limit	Units	Initials
	Found			Analyzed	
Chloride	ND	1.0	mg/L	01/20/1994	vid
Sulfate	ND	1.0	mg/L	01/20/1994	vid
Nitrate, as N	ND	1.0	mg/L	01/19/1994	mee

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Acct: 6502
Client Name: NET - Burbank
NET Job No: 94.00140

Date: 01/24/1994
ELAP Certificate: 1386
Page: 6

Ref: Project: LA Co/94.00029

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike			Spike Amount	Sample Conc.	Matrix Spike		Units	Date Analyzed	Analyst Initials
	Matrix Spike % Rec.	Spike Dup % Rec.	RPD			Matrix Spike Conc.	Spike Dup. Conc.			
Chloride	101	98	2.9	10.0	13			mg/L	01/20/1994	vid
Sulfate	101	102	1.0	10.0	38			mg/L	01/20/1994	vid
Nitrate, as N	97	97.8	0.8	5.00	4.5			mg/L	01/19/1994	mee

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Acct: 6502
Client Name: NET - Burbank
NET Job No: 94.00140

Date: 01/24/1994
ELAP Certificate: 1386
Page: 7

Ref: Project: LA Co/94.00029

LABORATORY CONTROL SAMPLE REPORT

<u>Parameter</u>	<u>LCS</u> <u>% Recovery</u>	<u>RPD</u>	<u>LCS</u> <u>Amount</u> <u>Found</u>	<u>LCS</u> <u>Amount</u> <u>Expected</u>	<u>Units</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u> <u>Initials</u>
Chloride	102.0		5.10	5.00	mg/L	01/20/1994	vid
Sulfate	99.0		4.95	5.00	mg/L	01/20/1994	vid
Nitrate, as N	100.0		2.0	2.00	mg/L	01/19/1994	mee

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

94.00029

NE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
LABORATORIES SECTION
SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME	PVLF RI/ES AHCP GROUNDWATER SAMPLING
SAMPLING LOCATION (Place and Address)	PALOS VERDES LANDFILL 25706 HAWTHORNE BLVD ROLLING HILLS ESTATES, CA 90274
SIGNATURE OF SAMPLER(S)	Mathew Kellner

Sample Field Number	Sampling Sublocation	Date	Time	Sample Matrix	Comp or Grab	Remarks
AB01A	AHCP	01/06/94	10:05	LIQUID	GRAB	
AB03	AHCP	01/06/94	15:15	LIQUID	GRAB	
AB04	AHCP	01/07/94	9:10	LIQUID	GRAB	MS/MSO ANAL
AB07	AHCP	01/07/94	11:10	LIQUID	GRAB	
AB10	AHCP	01/07/94	10:10	LIQUID	GRAB	
EQUIP BLNK	AHCP	01/07/94	10:10	LIQUID	GRAB	
TRIP BLNK	AHCP	01/07/94	10:10	LIQUID	GRAB	
AB01A (WEFT)	AHCP	01/06/94	10:05	LIQUID	GRAB	
AB03 (WEFT)	AHCP	01/06/94	15:15	LIQUID	GRAB	
AB04 (WEFT)	AHCP	01/07/94	9:10	LIQUID	GRAB	MS/MSO ANAL
AB07 (WEFT)	AHCP	01/07/94	11:10	LIQUID	GRAB	
AB10 (WEFT)	AHCP	01/07/94	10:10	LIQUID	GRAB	

RELINQUISHED BY : (Signature) Mathew Kellner	DATE 1-7-94	TIME 12:10	RECEIVED BY: (Signature) Christopher J. Habel
RELINQUISHED BY : (Signature) Christopher J. Habel	DATE 1-7-94	TIME 14:20	RECEIVED BY: (Signature) [Signature]
RELINQUISHED BY : (Signature) [Signature]	DATE 1-7-94	TIME 14:40	RECEIVED BY: (Signature) [Signature]
RELINQUISHED BY : (Signature) [Signature]	DATE 1/11/94	TIME 4:05	RECEIVED BY: (Signature) C. Davis
RELINQUISHED BY : (Signature) C. Davis	DATE 1/11/94	TIME 4:25	RECEIVED BY: (Signature) Kellen Brown
RELINQUISHED BY : (Signature)	DATE	TIME	RECEIVED BY: (Signature)

74,00029

NE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
LABORATORIES SECTION
SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME	PVLF RI/FS AHCP GROUNDWATER SAMPLING
SAMPLING LOCATION (Place and Address)	PALOS VERDES LANDFILL 25706 HAWTHORNE BLVD ROLLING HILLS ESTATES, CA 90274
SIGNATURE OF SAMPLER(S)	Mathew Kelliker

Sample Field Number	Sampling Sublocation	Date	Time	Sample Matrix	Comp or Grab	Remarks
AB01A	AHCP	1/6/94	10:10	LIQUID	GRAB	OTSC SPLIT SAMPLE

RELINQUISHED BY : (Signature) Mathew Kelliker	DATE 1-7-94	TIME 12:10	RECEIVED BY: (Signature) Christy J. Heber
RELINQUISHED BY : (Signature) Christy J. Heber	DATE 1-7-94	TIME 14:20	RECEIVED BY: (Signature) John
RELINQUISHED BY : (Signature) John	DATE 1-7-94	TIME 14:40	RECEIVED BY: (Signature) Chris S.
RELINQUISHED BY : (Signature) Chris S.	DATE 1/11/94	TIME 4:05	RECEIVED BY: (Signature) Kelen Brown
RELINQUISHED BY : (Signature) Kelen Brown	DATE 1/11/94	TIME 4:45 PM	RECEIVED BY: (Signature) Kelen Brown

74.0002911k

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
LABORATORIES SECTION
SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME	DVLF RI/FS AHCP GROUNDWATER SAMPLING
SAMPLING LOCATION (Place and Address)	PALOS VERDES LANDFILL 25706 HAWTHORNE BLVD. ROLLING HILLS ESTATES, CA 90274
SIGNATURE OF SAMPLER(S)	Mathew Kelliker

Sample Field Number	Sampling Sublocation	Date	Time	Sample Matrix	Comp or Grab	Remarks
AB03	AHCP	01/06/94	15:20	LIQUID	GRAB	OUTSIDE LAB SPLIT

RELINQUISHED BY : (Signature) Mathew Kelliker	DATE 1-7-94	TIME 12:10	RECEIVED BY: (Signature) Christy J. Hebel
RELINQUISHED BY : (Signature) Christy J. Hebel	DATE 1-7-94	TIME 14:20	RECEIVED BY: (Signature) [Signature]
RELINQUISHED BY : (Signature) [Signature]	DATE 1-7-94	TIME 14:40	RECEIVED BY: (Signature) [Signature]
RELINQUISHED BY : (Signature) [Signature]	DATE 1/11/94	TIME 4:05	RECEIVED BY: (Signature) CANEAS
RELINQUISHED BY : (Signature) CANEAS	DATE 1/11/94	TIME 4:45 PM	RECEIVED BY: (Signature) 94.00029 Hebel/Brain

94.00029

OK
8/8

SAMPLE ANALYSIS REQUEST
San Jose Creek Water Quality Laboratory
1965 S. Workman Mill Road
Whittier, California 90601
January 10, 1994

Sample Date Collected: *January 06, 1994; **January 07, 1994

Sample Type: PVLf Ground Water Samples Volume: 2 liters +

To Be Analyzed By (Lab or Company): N E T Pacific Inc.
700 S. Flower Street
Burbank, CA (213) 849-6595

ATTN: RICK SCHYNEECKERs, Kim Banks

Sample I.D. Number(s): *70410, 70412, 70415, 70417,
**70411, 70413, 70414, 70416, 70418,
70419, 70420

To Be Analyzed For:

- 1) ARSENIC (7062) SELENIUM (7741) & ANTIMONY (7062)
- 2) MERCURY (EPA Method 245.1)
- 3) ICP METALS (EPA Method 200.7 for Ba, Be, Cd, Cr, Pb, Mo, Ag, Co, Ni, V, Zn, Ca, Fe, Mg, Mn, Na)

Analyze Sample I.D. Number(s) **70420, *70421 for:

- 1) INORGANIC PARAMETERS only(pH, Cond., Chloride, Nitrate, Sulfate) For all anions, analyze by IC (Method E300.0)
- 2) VOLATILE ORGANICS (Method 601/602 + o-Xylene, m,p-Xylene, cis 1,2-Dichloroethelene & Tetrahydrofuran)

NOTES: ANALYZE WITHIN HOLDING TIMES OF SPECIFIED METHODS.
Please PROVIDE Level 3(maximum) QC for final report, and MAINTAIN and RETURN Chain of Custody. Perform Matrix Spike/ Matrix Spike Duplicate for Metals on 70412 & 70417.

Please send results to >>>> c/o Lorrie Losorelli
SJC Water Quality Laboratory
1965 S. Workman Mill Road
Whittier, CA 90601

Requested By: _____

PLEASE COMPLETE AND DETACH THIS PORTION.

Return to :	San Jose Creek Water Quality Laboratory	Metals/Anions
	1965 S. Workman Mill Road	01/10/94
	Whittier, California 90601	PVLf Study
	F A X: (310) 699-3368	
	ATTN: Lorrie Losorelli	

Sample I.D. Number(s): 70410, 70411, 70412, 70413, 70414, 70415,
70416, 70417, 70418, 70419, 70420, 70421

Laboratory or Company: N E T PACIFIC Inc.

Date Received: 1/11/94 By: ANES Signature

Handwritten signature



**NATIONAL
ENVIRONMENTAL
TESTING, INC.**

Burbank Division
700 South Flower Street
Burbank, CA 91502
Tel: (213) 849-6591
Fax: (818) 567-6477

DOHS Certificate Number: 1192
LACSD Lab I.D. Number: 10158

02/02/1994

Lorrie Losorelli
L.A. County Sanitation Dis
SJC Water Quality Lab
1965 Workman Mill Rd.
Whittier, CA 90607

Client Ref: PVLG Groundwater Samples
Date Received: 01/19/1994

SR
Entered
03/07/94
[Signature]

Sample analysis for the project referred to above has been completed and results are located on attached pages.

Should you have questions regarding procedures or results, please feel welcome to contact our Client Services Representatives or the Laboratory Director.

Kimberly S. Banks

Kimberly S. Banks
Project Manager

KB:rm
Attachments:
Analytical Reports
Chain of Custody Document

Client Net Acct No: 16750
NET Job No: 94.00077





Client Name: L.A. County Sanitation Dis

Client Ref.: PVLG Groundwater Samples

Date Taken: 01/12/1994

Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70630

Lab No. : 60784

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.015	mg/L	0.003
Barium (ICP)	200.7	0.18	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	561	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	11.0	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	293	mg/L	0.50
Manganese (ICP)	200.7	4.11	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	0.11	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	709	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.08	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the

R.L. must be multiplied by the dilution factor to obtain actual R.L.

B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLFGroundwater Samples

Date Taken: 01/12/1994

Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70631

Lab No. : 60785

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	0.005	mg/L	0.003
Arsenic (Hydride)	7061	0.004	mg/L	0.003
Barium (ICP)	200.7	0.04	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	651	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	27.8	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	561	mg/L	0.50
Manganese (ICP)	200.7	3.39	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	1.33	mg/L	0.20
Nickel (ICP)	200.7	0.53	mg/L	0.05
Selenium (Hydride)	7741	0.012	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	489	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.08	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLG Groundwater Samples

Date Taken: 01/12/1994

Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70632

Lab No. : 60786

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	0.12	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	149	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	ND	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	65.9	mg/L	0.50
Manganese (ICP)	200.7	0.16	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	0.025	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	125	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.12	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLf Groundwater Samples

Date Taken: 01/12/1994
Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70634

Lab No. : 60787

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.015	mg/L	0.003
Barium (ICP)	200.7	0.21	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	577	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	11.2	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	303	mg/L	0.50
Manganese (ICP)	200.7	3.90	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	0.11	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	719	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.08	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.

B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis
 Client Ref.: PVLf Groundwater Samples

Date Taken: 01/12/1994
 Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70635

Lab No. : 60788

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	0.004	mg/L	0.003
Arsenic (Hydride)	7061	0.009	mg/L	0.003
Barium (ICP)	200.7	0.07	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	665	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	42.3	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	560	mg/L	0.50
Manganese (ICP)	200.7	3.63	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	1.36	mg/L	0.20
Nickel (ICP)	200.7	0.62	mg/L	0.05
Selenium (Hydride)	7741	0.021	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	474	mg/L	1.00
Vanadium (ICP)	200.7	0.06	mg/L	0.05
Zinc (ICP)	200.7	0.12	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
 B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLFF Groundwater Samples

Date Taken: 01/12/1994
Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70636

Lab No. : 60789

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	0.12	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	148	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	0.10	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	66.0	mg/L	0.50
Manganese (ICP)	200.7	0.17	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	0.015	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	125	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.10	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis
Client Ref.: PVLf Groundwater Samples

Date Taken: 01/13/1994
Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70633

Lab No. : 60790

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	ND	mg/L	0.003
Barium (ICP)	200.7	0.04	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	255	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	ND	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	123	mg/L	0.50
Manganese (ICP)	200.7	0.33	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	207	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.09	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.

B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLf Groundwater Samples

Date Taken: 01/13/1994

Date Reported: 02/02/1994

NET Job No.: 94.00077

Sample ID : SJ-70637

Lab No. : 60791

Sample Matrix: GROUND WATER

ANALYTES/METHOD	METHOD	RESULTS	UNITS	REPORTING LIMIT
Antimony (Hydride)	7062	ND	mg/L	0.003
Arsenic (Hydride)	7061	0.012	mg/L	0.003
Barium (ICP)	200.7	0.04	mg/L	0.02
Beryllium (ICP)	200.7	ND	mg/L	0.02
Cadmium (ICP)	200.7	ND	mg/L	0.01
Calcium (ICP)	200.7	258	mg/L	0.50
Chromium (ICP)	200.7	ND	mg/L	0.02
Cobalt (ICP)	200.7	ND	mg/L	0.05
Iron (ICP)	200.7	ND	mg/L	0.10
Lead (ICP)	200.7	ND	mg/L	0.10
Magnesium (ICP)	200.7	125	mg/L	0.50
Manganese (ICP)	200.7	0.32	mg/L	0.02
Mercury (CVAA)	245.1	ND	mg/L	0.0005
Molybdenum (ICP)	200.7	ND	mg/L	0.20
Nickel (ICP)	200.7	ND	mg/L	0.05
Selenium (Hydride)	7741	ND	mg/L	0.01
Silver (ICP)	200.7	ND	mg/L	0.02
Sodium (ICP)	200.7	211	mg/L	1.00
Vanadium (ICP)	200.7	ND	mg/L	0.05
Zinc (ICP)	200.7	0.07	B mg/L	0.02

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.

B: Analyte detected in method blank associated with this sample



Client Name: L.A. County Sanitation Dis
 Client Ref.: PVLG Groundwater Samples
 NET Job No.: 94.00077 Date Reported: 02/08/1994

Date Taken : 01/12/1994 01/12/1994
 Sample ID : SJ 70630 Spike SJ 70630 Spike Dup
 Matrix : GROUND WATER GROUND WATER
 Lab No. : 61091 61092

ANALYTES/METHOD	RESULTS	RPD	FLAGS	UNITS	METHOD
Antimony (Hydride)	105	95	9.9	% Rec.	7062
Arsenic (Hydride)	145	100	36.7	q % Rec.	7061
Barium (ICP)	106	105	1.1	% Rec.	200.7
Beryllium (ICP)	114	110	4.4	% Rec.	200.7
Cadmium (ICP)	107	105	2.4	% Rec.	200.7
Calcium (ICP)	166	134	20.1	q % Rec.	200.7
Chromium (ICP)	92.6	90.0	3.3	% Rec.	200.7
Cobalt (ICP)	117	118	0	p % Rec.	200.7
Iron (ICP)	187	150	18.2	q % Rec.	200.7
Lead (ICP)	113	108	4.5	% Rec.	200.7
Magnesium (ICP)	153	138	11.0	q % Rec.	200.7
Manganese (ICP)	168	140	19.4	q % Rec.	200.7
Mercury (CVAA)	26.0	28.0	7.4	p % Rec.	245.1
Molybdenum (ICP)	108	104	3.1	% Rec.	200.7
Nickel (ICP)	94.1	93.0	1.1	% Rec.	200.7
Selenium (Hydride)	120	105	13.3	% Rec.	7741
Silver (ICP)	117	112	4.3	% Rec.	200.7
Sodium (ICP)	164	118	32.6	q % Rec.	200.7
Vanadium (ICP)	103	105	1.9	% Rec.	200.7
Zinc (ICP)	109	105	2.8	B % Rec.	200.7

ND: Not Detected at the Reporting Limit (R.L.), if a dilution factor greater than one is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
 B: Analyte detected in method blank.
 p: MS/MSD outside control limits, associated LCS was within control limits.
 q: MS/MSD failed due to high analyte concentration, LCS within limits.
 page: 10



Client Name: L.A. County Sanitation Dis

Client Ref.: PVLV Groundwater Samples

NET Job No.: 94.00077

Date Reported: 02/08/1994

Date Taken : 01/12/1994 01/12/1994
Sample ID : SJ 70634 Spike SJ 70634 Spike Dup
Matrix : GROUND WATER GROUND WATER
Lab No. : 61096 61097

ANALYTES/METHOD	RESULTS	RPD	FLAGS	UNITS	METHOD
Antimony (Hydride)	25	25	0 p	% Rec.	7062
Arsenic (Hydride)	62.5	32.5	12.0 q	% Rec.	7061
Barium (ICP)	104	104	0	% Rec.	200.7
Beryllium (ICP)	112	111	0.2	% Rec.	200.7
Cadmium (ICP)	104	106	1.2	% Rec.	200.7
Calcium (ICP)	134	114	1.6 q	% Rec.	200.7
Chromium (ICP)	89.3	90.3	1.0	% Rec.	200.7
Cobalt (ICP)	116	113	2.2 p	% Rec.	200.7
Iron (ICP)	141	149	0.8 q	% Rec.	200.7
Lead (ICP)	113	107	1.9	% Rec.	200.7
Magnesium (ICP)	104	98.0	0.8	% Rec.	200.7
Manganese (ICP)	123	124	0.2 q	% Rec.	200.7
Mercury (CVAA)	22.0	28.0	12.0 p	% Rec.	245.1
Molybdenum (ICP)	108	102	1.0	% Rec.	200.7
Nickel (ICP)	90.3	92.3	1.9	% Rec.	200.7
Selenium (Hydride)	80.0	70.0	6.7	% Rec.	7741
Silver (ICP)	113	112	1.0	% Rec.	200.7
Sodium (ICP)	180	150	1.7 q	% Rec.	200.7
Vanadium (ICP)	103	99.5	7.0	% Rec.	200.7
Zinc (ICP)	105	105	0 B	% Rec.	200.7

ND: Not Detected at the Reporting Limit (R.L.), if a dilution factor greater than one is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.

B: Analyte detected in method blank.

p: MS/MSD outside control limits, associated LCS was within control limits.

q: MS/MSD failed due to high analyte concentration, LCS within limits.

page: 11



QUALITY CONTROL REPORT

L.A. County Sanitation Dis
SJC Water Quality Lab
1965 Workman Mill Rd.
Whittier, CA 90607
Lorrie Losorelli

02/08/1994

NET Job Number: 94.00077

Enclosed is the Quality Control data for the following samples submitted to NET, Inc. - Burbank for analysis:

Sample Number	Sample Description	Date Taken	Date Received
60784	SJ-70630	01/12/1994	01/19/1994
60785	SJ-70631	01/12/1994	01/19/1994
60786	SJ-70632	01/12/1994	01/19/1994
60787	SJ-70634	01/12/1994	01/19/1994
60788	SJ-70635	01/12/1994	01/19/1994
60789	SJ-70636	01/12/1994	01/19/1994
60790	SJ-70633	01/13/1994	01/19/1994
60791	SJ-70637	01/13/1994	01/19/1994
61091	SJ 70630 Spike(60784)	01/12/1994	01/19/1994
61092	SJ 70630 Spike Dup(60784)	01/12/1994	01/19/1994
61096	SJ 70634 Spike(60787)	01/12/1994	01/19/1994
61097	SJ 70634 Spike Dup(60787)	01/12/1994	01/19/1994

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.



QUALITY CONTROL REPORT CONTINUING CALIBRATION VERIFICATION

NET Job Number: 94.00077

02/08/1994

Analyte	Run Batch Number	Run Batch Flags	CCV True Concentration	Concentration Found	Percent Recovery
Antimony (Hydride)	19		0.02	0.021	105.0
Arsenic (Hydride)	90		0.02	0.019	95.0
Barium (ICP)	276		1.0	1.04	104.0
Beryllium (ICP)	276		5.0	4.95	99.0
Cadmium (ICP)	276		5.0	5.22	104.4
Calcium (ICP)	275		50.0	53.7	107.4
Chromium (ICP)	284		5.0	4.61	92.2
Cobalt (ICP)	276		5.0	5.10	102.0
Iron (ICP)	275		10.0	10.5	105.0
Lead (ICP)	191		5.0	5.15	103.0
Magnesium (ICP)	274		50.0	53.4	106.8
Manganese (ICP)	274		5.0	4.68	93.6
Mercury (CVAA)	72		0.0025	0.0026	104.0
Molybdenum (ICP)	274		5.0	5.13	102.6
Nickel (ICP)	276		5.0	4.53	90.6
Selenium (Hydride)	77		0.025	0.023	92.0
Silver (ICP)	276		1.0	1.00	100.0
Sodium (ICP)	275		50.0	54.1	108.2
Vanadium (ICP)	274		5.0	5.05	101.0
Zinc (ICP)	275		5.0	4.64	92.8

CCV - Continuing Calibration Verification



QUALITY CONTROL REPORT BLANKS

02/08/1994

NET Job Number: 94.00077

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis	Flags	Units
Antimony (Hydride)	104	19	ND		mg/L
Arsenic (Hydride)	104	90	ND		mg/L
Barium (ICP)	100	276	ND		mg/L
Beryllium (ICP)	100	276	ND		mg/L
Cadmium (ICP)	100	276	ND		mg/L
Calcium (ICP)	100	275	ND		mg/L
Chromium (ICP)	100	284	ND		mg/L
Cobalt (ICP)	100	276	ND		mg/L
Iron (ICP)	100	275	ND		mg/L
Lead (ICP)	100	191	ND		mg/L
Magnesium (ICP)	100	274	ND		mg/L
Manganese (ICP)	100	274	ND		mg/L
Mercury (CVAA)	106	72	ND		mg/L
Molybdenum (ICP)	100	274	ND		mg/L
Nickel (ICP)	100	276	ND		mg/L
Selenium (Hydride)	104	77	ND		mg/L
Silver (ICP)	100	276	ND		mg/L
Sodium (ICP)	100	275	ND		mg/L
Vanadium (ICP)	100	274	ND		mg/L
Zinc (ICP)	100	275	0.04	B	mg/L

Advisory Control Limits for Blanks:

Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.

GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

Volatiles - Toluene, methylene chloride, acetone and chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.



QUALITY CONTROL REPORT LABORATORY CONTROL STANDARD

NET Job Number: 94.00077

02/08/1994

Analyte	Prep Batch Number	Run Batch Number	LCS	LCS	Flags/ RPD	Units
			True Concentration	Concentration Found		
Antimony (Hydride)	104	19	0.02	0.020	100.0	mg/L
Arsenic (Hydride)	104	90	0.02	0.020	100.0	mg/L
Barium (ICP)	100	276	5	5.33	106.6	mg/L
Beryllium (ICP)	100	276	0.4	0.47	117.5	mg/L
Cadmium (ICP)	100	276	0.4	0.41	102.5	mg/L
Calcium (ICP)	100	275	50	53.4	106.8	mg/L
Chromium (ICP)	100	284	1.0	0.90	90.0	mg/L
Cobalt (ICP)	100	276	0.4	0.41	102.5	mg/L
Iron (ICP)	100	275	1.0	1.04	104.0	mg/L
Lead (ICP)	100	191	1.0	1.09	109.0	mg/L
Magnesium (ICP)	100	274	50	51.5	103.0	mg/L
Manganese (ICP)	100	274	0.4	0.39	97.5	mg/L
Mercury (CVAA)	106	72	0.0050	0.0049	98.0	mg/L
Molybdenum (ICP)	100	274	4.0	4.08	102.0	mg/L

LCS - Laboratory Control Standard

Advisory Control Limits - Inorganics - LCS recovery should be 80 - 120%.



**QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD**

NET Job Number: 94.00077

02/08/1994

Analyte	Prep Batch Number	Run Batch Number	LCS True Concentration	LCS Concentration Found	LCS % Recovery	Flags/ RPD %	Units
Nickel (ICP)	100	276	1.0	0.92	92.0		mg/L
Selenium (Hydride)	104	77	0.02	0.021	105.0		mg/L
Silver (ICP)	100	276	0.4	0.46	115.0		mg/L
Sodium (ICP)	100	275	50	52.3	104.6		mg/L
Vanadium (ICP)	100	274	10	10.3	103.0		mg/L
Zinc (ICP)	100	275	1.0	1.13	113.0		mg/L

LCS - Laboratory Control Standard

Advisory Control Limits - Inorganics - LCS recovery should be 80 - 120%.

94.0007 NE

**COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
LABORATORIES SECTION
SAMPLE CHAIN OF CUSTODY FORM**

PROJECT NAME	PYLE RT/FS AHCP
SAMPLING LOCATION (Place and Address)	Falos Verdes Landfill 35706 Hawthorne Blvd Rolling Hills Estates, CA 90274
SIGNATURE OF SAMPLER(S)	Kem Reed, Matt Kelliker

Sample Field Number	Sampling Sublocation	Date	Time	Sample Matrix	Comp or Grab	Remarks
AB 06	AHCP	1/12/94	0900	Liquid	Grab	MS/MSD Anal.
AB 06 (WETT)	AHCP	1/12/94	0900	Liquid	Grab	MS/MSD Anal.
Equip. Blank	AHCP	1/12/94	0900	Liquid	Grab	
Trip Blank	AHCP	1/12/94	0800	Liquid	Grab	
AB-02	AHCP	1/12/94	1200	Liquid	Grab	
AB-02 (WETT)	AHCP	1/12/94	1200	Liquid	Grab	
AB-09	AHCP	1/12/94	1505	Liquid	Grab	
AB-09 (WETT)	AHCP	1/12/94	1505	Liquid	Grab	
AB-10	AHCP	1/12/94	0940	Liquid	Grab	
AB-10 (WETT)	AHCP	1/12/94	0940	Liquid	Grab	

RELINQUISHED BY : (Signature) <i>Matt Kelliker</i>	DATE 1.13.94	TIME 11:00	RECEIVED BY: (Signature) <i>Kem Reed</i>
RELINQUISHED BY : (Signature) <i>Kem Reed</i>	DATE 1/13/94	TIME 1220	RECEIVED BY: (Signature) <i>[Signature]</i>
RELINQUISHED BY : (Signature) <i>[Signature]</i>	DATE 1/30/94	TIME 15:30	RECEIVED BY: (Signature) <i>[Signature]</i>
RELINQUISHED BY : (Signature) <i>[Signature]</i>	DATE 1-19-94	TIME 2:20 PM	RECEIVED BY: (Signature) <i>C. Neal</i>
RELINQUISHED BY : (Signature) <i>C. Neal</i>	DATE 1/19/94	TIME 3:35 PM	RECEIVED BY: (Signature) <i>Walter Brown</i>
RELINQUISHED BY : (Signature)	DATE	TIME	RECEIVED BY: (Signature)



MONTGOMERY LABORATORIES

555 East Walnut Street
Pasadena, California 91101
818 568 6400; FAX 818 568 6324;
1 800 566 LABS (1 800 566 5227)

ENTERED 3-1-94 AF

Laboratory Report

for

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601

Attention: Lorie Losorelli

MONTGOMERY LABORATORIES
Submitted on

FEB 11 1994

HDS*

Report#: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110081 Sample ID 70410 Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Single Determination Analytes
Quality Control

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	18.6	93
LCS2	Potassium, Flame AA	mg/l	20	21.3	106
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.0	105
MSD	Potassium, Flame AA	mg/l	20	20.7	104
LCS1	Thallium, Total, GF	mg/l	0.040	0.041	102
LCS2	Thallium, Total, GF	mg/l	0.040	0.043	108
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.036	90

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110082 Sample ID 70411 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	47			4	4			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	20-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110084 Sample ID 70413 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	18.6	93
LCS2	Potassium, Flame AA	mg/l	20	21.3	106
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.0	105
MSD	Potassium, Flame AA	mg/l	20	20.7	104
LCS1	Thallium, Total, GF	mg/l	0.040	0.040	100
LCS2	Thallium, Total, GF	mg/l	0.040	0.041	102
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.037	92

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110087 Sample ID 70416 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	57			2	2			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	20-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110088 Sample ID 70417 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	69			5	5			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier , CA 90601
ATTN: Lorie Losorelli

Sample # 940110089 Sample ID 70418 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	17				1			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110091 Sample ID 70420 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	16				1			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Sample # 940110098 Sample ID 70420 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Whittier, CA 90601
ATTN: Lorie Losorelli

BNA Extractable (ML/SW 8270)

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
1,2,4-Trichlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
1,2-Dichlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
1,2-Diphenylhydrazine	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
1,3-Dichlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
1,4-Dichlorobenzene (p-DCB)	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4,5-Trichlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4,6-Trichlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dichlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dimethylphenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dinitrophenol	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dinitrotoluene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,6-Dinitrotoluene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Chloronaphthalene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Chlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Methylnaphthalene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Methylphenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Nitroaniline	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
2-Nitrophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
3,3'-Dichlorobenzidine	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
3-Nitroaniline	ug/l	ND				20	10-jan-1994	gmb	12-jan-1994	dfi
4,6-Dinitro-o-cresol	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
4-Bromophenylphenylether	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Chloroaniline	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Chlorophenylphenylether	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Methylphenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Nitroaniline	ug/l	ND				20	10-jan-1994	gmb	12-jan-1994	dfi
4-Nitrophenol	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Acenaphthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Acenaphthylene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Sample # 940110098 Sample ID 70420 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Whittier, CA 90601
ATTN: Lorie Losorelli

BNA Extractable (ML/SW 8270)

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Aniline	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Anthracene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(a)anthracene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(a)pyrene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(b)fluoranthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(g,h,i)perylene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(k)fluoranthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Chloroethyl)ether	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Chloroethoxy)methane	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Chloroisopropyl)ether	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Ethylhexyl)phthalate	ug/l	ND				20	10-jan-1994	gmb	12-jan-1994	dfi
Butylbenzylphthalate	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzidine	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
Benzoic Acid	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
Benzyl Alcohol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Chrysene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Dibenzo(a,h)anthracene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Dibenzofuran	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Diethylphthalate	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Dimethylphthalate	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Di-n-butylphthalate	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Di-n-octylphthalate	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Fluoranthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Fluorene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Hexachlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Hexachlorobutadiene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Hexachlorocyclopentadiene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Hexachloroethane	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Indeno(1,2,3-c,d)pyrene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi



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Sample # 940110098 Sample ID 70420 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

BNA Extractable (ML/SW 8270)

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Isophorone	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Naphthalene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Nitrobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
N-Nitrosodimethylamine	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
N-Nitrosodi-N-propylamine	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
N-Nitrosodiphenylamine	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
p-Chloro-m-cresol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Pentachlorophenol	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Phenanthrene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Phenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Pyrene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi

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LA CO Sanitation Districts/Palos Verdes
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Sample # 940110098 Sample-ID 70420 Project _____
 Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

BNA Extractable (ML/SW 8270)
Quality Control

Control	Parameter	Units	Actual	Found	%Recv
LCS1	1,2,4-Trichlorobenzene	ug/l	50	37.7	75
LCS1	1,4-Dichlorobenzene (p-DCB)	ug/l	50	39.4	79
LCS1	2,4-Dinitrotoluene	ug/l	50	44.2	88
LCS1	2-Chlorophenol	ug/l	100	67.3	67
LCS1	4-Nitrophenol	ug/l	100	101	101
LCS1	Acenaphthene	ug/l	50	40.9	82
LCS1	N-Nitrosodi-N-propylamine	ug/l	50	40.3	81
LCS1	p-Chloro-m-cresol	ug/l	100	63.1	63
LCS1	Pentachlorophenol	ug/l	100	38.3	38
LCS1	Phenol	ug/l	100	57.3	57
LCS1	Pyrene	ug/l	50	47.4	95
LCS2	1,2,4-Trichlorobenzene	ug/l	50	34.7	69
LCS2	1,4-Dichlorobenzene (p-DCB)	ug/l	50	36.2	72
LCS2	2,4-Dinitrotoluene	ug/l	50	42.3	85
LCS2	2-Chlorophenol	ug/l	100	69.6	70
LCS2	4-Nitrophenol	ug/l	100	98.3	98
LCS2	Acenaphthene	ug/l	50	40.7	81
LCS2	N-Nitrosodi-N-propylamine	ug/l	50	36.4	73
LCS2	p-Chloro-m-cresol	ug/l	100	60.9	61
LCS2	Pentachlorophenol	ug/l	100	34.3	34
LCS2	Phenol	ug/l	100	57.0	57
LCS2	Pyrene	ug/l	50	46.2	92
MBLK	1,2,4-Trichlorobenzene	ug/l	ND	ND	
MBLK	1,2-Dichlorobenzene	ug/l	ND	ND	
MBLK	1,2-Diphenylhydrazine	ug/l	ND	ND	
MBLK	1,3-Dichlorobenzene	ug/l	ND	ND	
MBLK	1,4-Dichlorobenzene (p-DCB)	ug/l	ND	ND	
MBLK	2,4,5-Trichlorophenol	ug/l	ND	ND	
MBLK	2,4,6-Trichlorophenol	ug/l	ND	ND	
MBLK	2,4-Dichlorophenol	ug/l	ND	ND	
MBLK	2,4-Dimethylphenol	ug/l	ND	ND	

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

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Sample # 940110098 Sample ID 70420 Project _____
Sample Type Water Sampled 07-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**BNA Extractable (ML/SW 8270)
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
MBLK	2,4-Dinitrophenol	ug/l	ND	ND	
MBLK	2,4-Dinitrotoluene	ug/l	ND	ND	
MBLK	2,6-Dinitrotoluene	ug/l	ND	ND	
MBLK	2-Chloronaphthalene	ug/l	ND	ND	
MBLK	2-Chlorophenol	ug/l	ND	ND	
MBLK	2-Methylnaphthalene	ug/l	ND	ND	
MBLK	2-Methylphenol	ug/l	ND	ND	
MBLK	2-Nitroaniline	ug/l	ND	ND	
MBLK	2-Nitrophenol	ug/l	ND	ND	
MBLK	3,3'-Dichlorobenzidine	ug/l	ND	ND	
MBLK	3-Nitroaniline	ug/l	ND	ND	
MBLK	4,6-Dinitro-o-cresol	ug/l	ND	ND	
MBLK	4-Bromophenylphenylether	ug/l	ND	ND	
MBLK	4-Chloroaniline	ug/l	ND	ND	
MBLK	4-Chlorophenylphenylether	ug/l	ND	ND	
MBLK	4-Methylphenol	ug/l	ND	ND	
MBLK	4-Nitroaniline	ug/l	ND	ND	
MBLK	4-Nitrophenol	ug/l	ND	ND	
MBLK	Acenaphthene	ug/l	ND	ND	
MBLK	Acenaphthylene	ug/l	ND	ND	
MBLK	Aniline	ug/l	ND	ND	
MBLK	Anthracene	ug/l	ND	ND	
MBLK	Benzo(a)anthracene	ug/l	ND	ND	
MBLK	Benzo(a)pyrene	ug/l	ND	ND	
MBLK	Benzo(b)fluoranthene	ug/l	ND	ND	
MBLK	Benzo(g,h,i)perylene	ug/l	ND	ND	
MBLK	Benzo(k)fluoranthene	ug/l	ND	ND	
MBLK	bis(2-Chloroethyl)ether	ug/l	ND	ND	
MBLK	bis(2-Chloroethoxy)methane	ug/l	ND	ND	
MBLK	bis(2-Chloroisopropyl)ether	ug/l	ND	ND	
MBLK	bis(2-Ethylhexyl)phthalate	ug/l	ND	ND	

Report #: 11375

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Laboratory Report

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BNA Extractable (ML/SW 8270)
Quality Control

Control	Parameter	Units	Actual	Found	%Recv
MBLK	Butylbenzylphthalate	ug/l	ND	ND	
MBLK	Benzidine	ug/l	ND	ND	
MBLK	Benzoic Acid	ug/l	ND	ND	
MBLK	Benzyl Alcohol	ug/l	ND	ND	
MBLK	Chrysene	ug/l	ND	ND	
MBLK	Dibenzo(a,h)anthracene	ug/l	ND	ND	
MBLK	Dibenzofuran	ug/l	ND	ND	
MBLK	Diethylphthalate	ug/l	ND	ND	
MBLK	Dimethylphthalate	ug/l	ND	ND	
MBLK	Di-n-butylphthalate	ug/l	ND	ND	
MBLK	Di-n-octylphthalate	ug/l	ND	ND	
MBLK	Fluoranthene	ug/l	ND	ND	
MBLK	Fluorene	ug/l	ND	ND	
MBLK	Hexachlorobenzene	ug/l	ND	ND	
MBLK	Hexachlorobutadiene	ug/l	ND	ND	
MBLK	Hexachlorocyclopentadiene	ug/l	ND	ND	
MBLK	Hexachloroethane	ug/l	ND	ND	
MBLK	Indeno(1,2,3-c,d)pyrene	ug/l	ND	ND	
MBLK	Isophorone	ug/l	ND	ND	
MBLK	Naphthalene	ug/l	ND	ND	
MBLK	Nitrobenzene	ug/l	ND	ND	
MBLK	N-Nitrosodimethylamine	ug/l	ND	ND	
MBLK	N-Nitrosodi-N-propylamine	ug/l	ND	ND	
MBLK	N-Nitrosodiphenylamine	ug/l	ND	ND	
MBLK	p-Chloro-m-cresol	ug/l	ND	ND	
MBLK	Pentachlorophenol	ug/l	ND	ND	
MBLK	Phenanthrene	ug/l	ND	ND	
MBLK	Phenol	ug/l	ND	ND	
MBLK	Pyrene	ug/l	ND	ND	
MS	1,2,4-Trichlorobenzene	ug/l	50	NA	
MS	1,4-Dichlorobenzene (p-DCB)	ug/l	50	NA	

Report #: 11375



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**BNA Extractable (ML/SW 8270)
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
MS	2,4-Dinitrotoluene	ug/l	50	NA	
MS	2-Chlorophenol	ug/l	100	NA	
MS	4-Nitrophenol	ug/l	100	NA	
MS	Acenaphthene	ug/l	50	NA	
MS	Di-n-butylphthalate	ug/l	50	NA	
MS	N-Nitrosodi-N-propylamine	ug/l	50	NA	
MS	p-Chloro-m-cresol	ug/l	100	NA	
MS	Pentachlorophenol	ug/l	100	NA	
MS	Phenol	ug/l	100	NA	
MS	Pyrene	ug/l	50	NA	
MSD	1,2,4-Trichlorobenzene	ug/l	50	NA	
MSD	1,4-Dichlorobenzene (p-DCB)	ug/l	50	NA	
MSD	2,4-Dinitrotoluene	ug/l	50	NA	
MSD	2-Chlorophenol	ug/l	100	NA	
MSD	4-Nitrophenol	ug/l	100	NA	
MSD	Acenaphthene	ug/l	50	NA	
MSD	Di-n-butylphthalate	ug/l	50	NA	
MSD	N-Nitrosodi-N-propylamine	ug/l	50	NA	
MSD	p-Chloro-m-cresol	ug/l	100	NA	
MSD	Pentachlorophenol	ug/l	100	NA	
MSD	Phenol	ug/l	100	NA	
MSD	Pyrene	ug/l	50	NA	

Report #: 11375



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Sample # 940110099 Sample ID 70421 Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
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ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Dioxin, Screen	(ML/SW 8270) ug/l	ND				1	10-jan-1994	gmb	13-jan-1994	dfi



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Laboratory Report

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Sample # 940110099 Sample ID 70421 Project _____
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BNA Extractable (ML/SW 8270)

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
1,2,4-Trichlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
1,2-Dichlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
1,2-Diphenylhydrazine	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
1,3-Dichlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
1,4-Dichlorobenzene (p-DCB)	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4,5-Trichlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4,6-Trichlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dichlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dimethylphenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dinitrophenol	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
2,4-Dinitrotoluene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2,6-Dinitrotoluene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Chloronaphthalene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Chlorophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Methylnaphthalene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Methylphenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
2-Nitroaniline	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
2-Nitrophenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
3,3'-Dichlorobenzidine	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
3-Nitroaniline	ug/l	ND				20	10-jan-1994	gmb	12-jan-1994	dfi
4,6-Dinitro-o-cresol	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
4-Bromophenylphenylether	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Chloroaniline	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Chlorophenylphenylether	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Methylphenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
4-Nitroaniline	ug/l	ND				20	10-jan-1994	gmb	12-jan-1994	dfi
4-Nitrophenol	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Acenaphthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Acenaphthylene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi



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Laboratory Report

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Whittier, CA 90601
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BNA Extractable (ML/SW 8270)

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Aniline	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Anthracene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(a)anthracene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(a)pyrene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(b)fluoranthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(g,h,i)perylene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Benzo(k)fluoranthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Chloroethyl)ether	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Chloroethoxy)methane	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Chloroisopropyl)ether	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
bis(2-Ethylhexyl)phthalate	ug/l	ND				20	10-jan-1994	gmb	12-jan-1994	dfi
Butylbenzylphthalate	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Benzidine	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
Benzoic Acid	ug/l	ND				50	10-jan-1994	gmb	12-jan-1994	dfi
Benzyl Alcohol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Chrysene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Dibenzo(a,h)anthracene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Dibenzofuran	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Diethylphthalate	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Dimethylphthalate	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Di-n-butylphthalate	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Di-n-octylphthalate	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Fluoranthene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Fluorene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Hexachlorobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Hexachlorobutadiene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Hexachlorocyclopentadiene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Hexachloroethane	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Indeno(1,2,3-c,d)pyrene	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi



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BNA Extractable (ML/SW 8270)

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Isophorone	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Naphthalene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Nitrobenzene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
N-Nitrosodimethylamine	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
N-Nitrosodi-N-propylamine	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
N-Nitrosodiphenylamine	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
p-Chloro-m-cresol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Pentachlorophenol	ug/l	ND				10	10-jan-1994	gmb	12-jan-1994	dfi
Phenanthrene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Phenol	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi
Pyrene	ug/l	ND				5	10-jan-1994	gmb	12-jan-1994	dfi



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110099 Sample ID 70421 Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**BNA Extractable (ML/SW 8270)
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	1,2,4-Trichlorobenzene	ug/l	50	37.7	75
LCS1	1,4-Dichlorobenzene (p-DCB)	ug/l	50	39.4	79
LCS1	2,4-Dinitrotoluene	ug/l	50	44.2	88
LCS1	2-Chlorophenol	ug/l	100	67.3	67
LCS1	4-Nitrophenol	ug/l	100	101	101
LCS1	Acenaphthene	ug/l	50	40.9	82
LCS1	N-Nitrosodi-N-propylamine	ug/l	50	40.3	81
LCS1	p-Chloro-m-cresol	ug/l	100	63.1	63
LCS1	Pentachlorophenol	ug/l	100	38.3	38
LCS1	Phenol	ug/l	100	57.3	57
LCS1	Pyrene	ug/l	50	47.4	95
LCS2	1,2,4-Trichlorobenzene	ug/l	50	34.7	69
LCS2	1,4-Dichlorobenzene (p-DCB)	ug/l	50	36.2	72
LCS2	2,4-Dinitrotoluene	ug/l	50	42.3	85
LCS2	2-Chlorophenol	ug/l	100	69.6	70
LCS2	4-Nitrophenol	ug/l	100	98.3	98
LCS2	Acenaphthene	ug/l	50	40.7	81
LCS2	N-Nitrosodi-N-propylamine	ug/l	50	36.4	73
LCS2	p-Chloro-m-cresol	ug/l	100	60.9	61
LCS2	Pentachlorophenol	ug/l	100	34.3	34
LCS2	Phenol	ug/l	100	57.0	57
LCS2	Pyrene	ug/l	50	46.2	92
MBLK	1,2,4-Trichlorobenzene	ug/l	ND	ND	
MBLK	1,2-Dichlorobenzene	ug/l	ND	ND	
MBLK	1,2-Diphenylhydrazine	ug/l	ND	ND	
MBLK	1,3-Dichlorobenzene	ug/l	ND	ND	
MBLK	1,4-Dichlorobenzene (p-DCB)	ug/l	ND	ND	
MBLK	2,4,5-Trichlorophenol	ug/l	ND	ND	
MBLK	2,4,6-Trichlorophenol	ug/l	ND	ND	
MBLK	2,4-Dichlorophenol	ug/l	ND	ND	
MBLK	2,4-Dimethylphenol	ug/l	ND	ND	

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110099 Sample ID 70421 Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**BNA Extractable (ML/SW 8270)
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
MBLK	2,4-Dinitrophenol	ug/l	ND	ND	
MBLK	2,4-Dinitrotoluene	ug/l	ND	ND	
MBLK	2,6-Dinitrotoluene	ug/l	ND	ND	
MBLK	2-Chloronaphthalene	ug/l	ND	ND	
MBLK	2-Chlorophenol	ug/l	ND	ND	
MBLK	2-Methylnaphthalene	ug/l	ND	ND	
MBLK	2-Methylphenol	ug/l	ND	ND	
MBLK	2-Nitroaniline	ug/l	ND	ND	
MBLK	2-Nitrophenol	ug/l	ND	ND	
MBLK	3,3'-Dichlorobenzidine	ug/l	ND	ND	
MBLK	3-Nitroaniline	ug/l	ND	ND	
MBLK	4,6-Dinitro-o-cresol	ug/l	ND	ND	
MBLK	4-Bromophenylphenylether	ug/l	ND	ND	
MBLK	4-Chloroaniline	ug/l	ND	ND	
MBLK	4-Chlorophenylphenylether	ug/l	ND	ND	
MBLK	4-Methylphenol	ug/l	ND	ND	
MBLK	4-Nitroaniline	ug/l	ND	ND	
MBLK	4-Nitrophenol	ug/l	ND	ND	
MBLK	Acenaphthene	ug/l	ND	ND	
MBLK	Acenaphthylene	ug/l	ND	ND	
MBLK	Aniline	ug/l	ND	ND	
MBLK	Anthracene	ug/l	ND	ND	
MBLK	Benzo(a)anthracene	ug/l	ND	ND	
MBLK	Benzo(a)pyrene	ug/l	ND	ND	
MBLK	Benzo(b)fluoranthene	ug/l	ND	ND	
MBLK	Benzo(g,h,i)perylene	ug/l	ND	ND	
MBLK	Benzo(k)fluoranthene	ug/l	ND	ND	
MBLK	bis(2-Chloroethyl)ether	ug/l	ND	ND	
MBLK	bis(2-Chloroethoxy)methane	ug/l	ND	ND	
MBLK	bis(2-Chloroisopropyl)ether	ug/l	ND	ND	
MBLK	bis(2-Ethylhexyl)phthalate	ug/l	ND	ND	

Report #: 11375

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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
 1965 S Workman Mill Road

Whittier, CA 90601
 ATTN: Lorie Losorelli

Sample # 940110099 Sample ID 70421 Project _____
 Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

BNA Extractable (ML/SW 8270)
Quality Control

Control	Parameter	Units	Actual	Found	%Recv
MBLK	Butylbenzylphthalate	ug/l	ND	ND	
MBLK	Benzidine	ug/l	ND	ND	
MBLK	Benzoic Acid	ug/l	ND	ND	
MBLK	Benzyl Alcohol	ug/l	ND	ND	
MBLK	Chrysene	ug/l	ND	ND	
MBLK	Dibenzo(a,h)anthracene	ug/l	ND	ND	
MBLK	Dibenzofuran	ug/l	ND	ND	
MBLK	Diethylphthalate	ug/l	ND	ND	
MBLK	Dimethylphthalate	ug/l	ND	ND	
MBLK	Di-n-butylphthalate	ug/l	ND	ND	
MBLK	Di-n-octylphthalate	ug/l	ND	ND	
MBLK	Fluoranthene	ug/l	ND	ND	
MBLK	Fluorene	ug/l	ND	ND	
MBLK	Hexachlorobenzene	ug/l	ND	ND	
MBLK	Hexachlorobutadiene	ug/l	ND	ND	
MBLK	Hexachlorocyclopentadiene	ug/l	ND	ND	
MBLK	Hexachloroethane	ug/l	ND	ND	
MBLK	Indeno(1,2,3-c,d)pyrene	ug/l	ND	ND	
MBLK	Isophorone	ug/l	ND	ND	
MBLK	Naphthalene	ug/l	ND	ND	
MBLK	Nitrobenzene	ug/l	ND	ND	
MBLK	N-Nitrosodimethylamine	ug/l	ND	ND	
MBLK	N-Nitrosodi-N-propylamine	ug/l	ND	ND	
MBLK	N-Nitrosodiphenylamine	ug/l	ND	ND	
MBLK	p-Chloro-m-cresol	ug/l	ND	ND	
MBLK	Pentachlorophenol	ug/l	ND	ND	
MBLK	Phenanthrene	ug/l	ND	ND	
MBLK	Phenol	ug/l	ND	ND	
MBLK	Pyrene	ug/l	ND	ND	
MS	1,2,4-Trichlorobenzene	ug/l	50	NA	
MS	1,4-Dichlorobenzene (p-DCB)	ug/l	50	NA	

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LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110099 Sample ID 70421 Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**BNA Extractable (ML/SW 8270)
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
MS	2,4-Dinitrotoluene	ug/l	50	NA	
MS	2-Chlorophenol	ug/l	100	NA	
MS	4-Nitrophenol	ug/l	100	NA	
MS	Acenaphthene	ug/l	50	NA	
MS	Di-n-butylphthalate	ug/l	50	NA	
MS	N-Nitrosodi-N-propylamine	ug/l	50	NA	
MS	p-Chloro-m-cresol	ug/l	100	NA	
MS	Pentachlorophenol	ug/l	100	NA	
MS	Phenol	ug/l	100	NA	
MS	Pyrene	ug/l	50	NA	
MSD	1,2,4-Trichlorobenzene	ug/l	50	NA	
MSD	1,4-Dichlorobenzene (p-DCB)	ug/l	50	NA	
MSD	2,4-Dinitrotoluene	ug/l	50	NA	
MSD	2-Chlorophenol	ug/l	100	NA	
MSD	4-Nitrophenol	ug/l	100	NA	
MSD	Acenaphthene	ug/l	50	NA	
MSD	Di-n-butylphthalate	ug/l	50	NA	
MSD	N-Nitrosodi-N-propylamine	ug/l	50	NA	
MSD	p-Chloro-m-cresol	ug/l	100	NA	
MSD	Pentachlorophenol	ug/l	100	NA	
MSD	Phenol	ug/l	100	NA	
MSD	Pyrene	ug/l	50	NA	

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110100 Sample ID 70412 MS Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	18.6	93
LCS2	Potassium, Flame AA	mg/l	20	21.3	106
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.0	105
MSD	Potassium, Flame AA	mg/l	20	20.7	104
LCS1	Thallium, Total, GF	mg/l	0.040	0.041	102
LCS2	Thallium, Total, GF	mg/l	0.040	0.043	108
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.036	90

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110101 Sample ID 70412 MSD Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	21.9		110		1			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	0.036		90		0.01	19-jan-1994	EYW	20-jan-1994	gto



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ATTN: Lorie Losorelli

Sample # 940110101 Sample ID 70412 MSD Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	18.6	93
LCS2	Potassium, Flame AA	mg/l	20	21.3	106
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.0	105
MSD	Potassium, Flame AA	mg/l	20	20.7	104
LCS1	Thallium, Total, GF	mg/l	0.040	0.041	102
LCS2	Thallium, Total, GF	mg/l	0.040	0.043	108
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.036	90

Report #: 11375



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110102 Sample ID 70417 MS Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
High BP Hydrocarbons	(LUFT) mg/l	3.17		127	1.08	0.27	13-jan-1994	gmb	09-feb-1994	yom
Potassium, Flame AA	(ML/EPA 258.1) mg/l	21.0		105		1			18-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	0.036		90		0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940110103 Sample ID 70417 MSD Project _____
Sample Type Water Sampled 06-jan-1994 Received 10-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	High BP Hydrocarbons	mg/l	2.50	2.69	108
LCS2	High BP Hydrocarbons	mg/l	2.50	NA	
MBLK	High BP Hydrocarbons	mg/l	ND	ND	
MS	High BP Hydrocarbons	mg/l	2.50	3.17	127
MSD	High BP Hydrocarbons	mg/l	2.50	3.19	128
LCS1	Potassium, Flame AA	mg/l	20	18.6	93
LCS2	Potassium, Flame AA	mg/l	20	21.3	106
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.0	105
MSD	Potassium, Flame AA	mg/l	20	20.7	104
LCS1	Thallium, Total, GF	mg/l	0.040	0.040	100
LCS2	Thallium, Total, GF	mg/l	0.040	0.041	102
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.037	92

Report #: 11375



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Laboratory Report

for

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601

Attention: Lorie Losorelli

MONTGOMERY LABORATORIES Submitted on FEB 11 1994 HDS* <i>Victoria J.</i>
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Report#: 11458



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Sample # 940114030 Sample ID 70630 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	7.5				1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114030 Sample ID 70630 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	20.0	100
LCS2	Potassium, Flame AA	mg/l	20	19.3	96
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.7	108
MSD	Potassium, Flame AA	mg/l	20	20.2	101
LCS1	Thallium, Total, GF	mg/l	0.040	0.040	100
LCS2	Thallium, Total, GF	mg/l	0.040	0.041	102
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.037	92

Report #: 11458



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114031 Sample ID 70631 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	13				1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier , CA 90601
ATTN: Lorie Losorelli

Sample # 940114032 Sample ID 70632 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	4.6				†			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	20-jan-1994	gto



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Sample # 940114033 Sample ID 70634 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	10				1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	25-jan-1994	gto



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Sample # 940114034 Sample ID 70635 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	13				1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	27-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114035 Sample ID 70636 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	20.0	100
LCS2	Potassium, Flame AA	mg/l	20	19.3	96
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.7	108
MSD	Potassium, Flame AA	mg/l	20	20.2	101
LCS1	Thallium, Total, GF	mg/l	0.040	0.041	102
LCS2	Thallium, Total, GF	mg/l	0.040	0.043	108
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.036	90

Report #: 11458



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114036 Sample ID 70633 Project _____
Sample Type Water Sampled 13-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	20.0	100
LCS2	Potassium, Flame AA	mg/l	20	19.3	96
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.7	108
MSD	Potassium, Flame AA	mg/l	20	20.2	101
LCS1	Thallium, Total, GF	mg/l	0.040	0.041	102
LCS2	Thallium, Total, GF	mg/l	0.040	0.043	108
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.036	90

Report #: 11458



MONTGOMERY LABORATORIES

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Pasadena, California 91101
818 568 6400; FAX 818 568 6324;
1 800 566 LABS (1 800 566 5227)**

Sample # 940114037 Sample ID 70637 Project _____
Sample Type Water Sampled 13-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	12				1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	ND				0.01	19-jan-1994	EYW	20-jan-1994	gto



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114037 Sample ID 70637 Project _____
Sample Type Water Sampled 13-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	20.0	100
LCS2	Potassium, Flame AA	mg/l	20	19.3	96
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.7	108
MSD	Potassium, Flame AA	mg/l	20	20.2	101
LCS1	Thallium, Total, GF	mg/l	0.040	0.041	102
LCS2	Thallium, Total, GF	mg/l	0.040	0.043	108
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.036	90

Report #: 11458



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Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114038 Sample ID 70630 MS Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Single Determination Analytes
Quality Control

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	20.0	100
LCS2	Potassium, Flame AA	mg/l	20	19.3	96
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.7	108
MSD	Potassium, Flame AA	mg/l	20	20.2	101
LCS1	Thallium, Total, GF	mg/l	0.040	0.040	100
LCS2	Thallium, Total, GF	mg/l	0.040	0.041	102
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.037	92

Report #: 11458



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Laboratory Report

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1965 S Workman Mill Road

Whittier , CA 90601
ATTN: Lorie Losorelli

Sample # 940114039 Sample ID 70630 MSD Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	22.3		112		1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	0.041		104		0.01	19-jan-1994	EYW	25-jan-1994	gto



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Laboratory Report

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Whittier, CA 90601
ATTN: Lorie Losorelli

Sample # 940114039 Sample ID 70630 MSD Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	Potassium, Flame AA	mg/l	20	20.0	100
LCS2	Potassium, Flame AA	mg/l	20	19.3	96
MBLK	Potassium, Flame AA	mg/l	ND	ND	
MS	Potassium, Flame AA	mg/l	20	21.7	108
MSD	Potassium, Flame AA	mg/l	20	20.2	101
LCS1	Thallium, Total, GF	mg/l	0.040	0.040	100
LCS2	Thallium, Total, GF	mg/l	0.040	0.041	102
MBLK	Thallium, Total, GF	mg/l	ND	ND	
MS	Thallium, Total, GF	mg/l	0.040	0.036	90
MSD	Thallium, Total, GF	mg/l	0.040	0.037	92

Report #: 11458



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Sample # 940114040 Sample ID 70634 MS Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier , CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
Potassium, Flame AA	(ML/EPA 258.1) mg/l	21.7		109		1			21-jan-1994	jps
Thallium, Total, GF	(ML/EPA 279.2) mg/l	0.037		91		0.01	19-jan-1994	EYW	25-jan-1994	gto



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Sample # 940114044 Sample ID 70636 Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
High BP Hydrocarbons	(LUFT) mg/l	ND			1.13	0.2825	21-jan-1994	ahq	10-feb-1994	yom



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Sample # 940114045 Sample ID 70637 Project _____
Sample Type Water Sampled 13-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter	Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
High BP Hydrocarbons	(LUFT) mg/l	ND			1.14	0.285	21-jan-1994	ahq	10-feb-1994	yom



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Sample # 940114045 Sample ID 70637 Project _____
Sample Type Water Sampled 13-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	High BP Hydrocarbons	mg/l	2.50	2.54	102
LCS2	High BP Hydrocarbons	mg/l	2.50	NA	
MBLK	High BP Hydrocarbons	mg/l	ND	ND	
MS	High BP Hydrocarbons	mg/l	2.50	2.14	86
MSD	High BP Hydrocarbons	mg/l	2.50	1.93	77

Report #: 11458



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Sample # 940114046 Sample ID 70634 MS Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Laboratory Report

LA CO Sanitation Districts/Palos Verdes
1965 S Workman Mill Road

Whittier, CA 90601
ATTN: Lorie Losorelli

Parameter		Units	Result	Conc.	%Rec	Dilution	Det.Limit	Prepared	By	Analyzed	By
High BP Hydrocarbons	(LUFT) mg/l	2.14		85	1.14	0.285	21-jan-1994	ahq	10-feb-1994	yom



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Sample # 940114046 Sample ID 70634 MS Project _____
Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

Single Determination Analytes Quality Control

Control	Parameter	Units	Actual	Found	%Recv
LCS1	High BP Hydrocarbons	mg/l	2.50	2.54	102
LCS2	High BP Hydrocarbons	mg/l	2.50	NA	
MBLK	High BP Hydrocarbons	mg/l	ND	ND	
MS	High BP Hydrocarbons	mg/l	2.50	2.14	86
MSD	High BP Hydrocarbons	mg/l	2.50	1.93	77

Report #: 11458

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Sample # 940114047 Sample ID 70634 MSD Project _____
 Sample Type Water Sampled 12-jan-1994 Received 14-jan-1994 Reported 11-feb-1994

**Single Determination Analytes
 Quality Control**

Control	Parameter	Units	Actual	Found	%Recv
LCS1	High BP Hydrocarbons	mg/l	2.50	2.54	102
LCS2	High BP Hydrocarbons	mg/l	2.50	NA	
MBLK	High BP Hydrocarbons	mg/l	ND	ND	
MS	High BP Hydrocarbons	mg/l	2.50	2.14	86
MSD	High BP Hydrocarbons	mg/l	2.50	1.93	77

Report #: 11458