

PALOS VERDES LANDFILL
REMEDIAL INVESTIGATION REPORT

APPENDIX A.3.4.2

CHAINS OF CUSTODY FOR THE
SOUTH COAST BOTANIC GARDEN
LAKE AND STREAM AND HAWTHORNE
BOULEVARD STORM DRAIN SAMPLES

W 10/5/92
KAW

Los Angeles County Sanitation Districts
San Jose Creek Water Quality Laboratory
Sample Request Form / Chain of Custody Record

Job Nos.: 1) 46114 2) 46115 3) 46116 4) 46117

Charge Nos.: 1) 5066909 B 842 2) B 3) B 4) B

Requested By: KAUFMAN Sampling Approved by: *[Signature]*
Report To: 1) M. JACOBS 2) 3) 4)

Date and Time - Grab Samples:

1) 10 / 26 / 92 8 : 35 am 2) 10 / 26 / 92 11 : 40 am
3) 10 / 26 / 92 9 : 25 am 4) 10 / 26 / 92 1 : 30 pm

Date and Time - Composite Samples:

FROM: TO:
1) / / : 1) / / :
2) / / : 2) / / :
3) / / : 3) / / :
4) / / : 4) / / :

Sample Locations:

1) 2 - PVLV - HCP Type: MISC Volume: liters
2) 2 - PVLV - HCP Type: MISC Volume: liters
3) 2 - PVLV - HCP Type: MISC Volume: liters
4) 2 - PVLV - HCP Type: MISC Volume: liters

Descriptions:

- 1) LAKE WATER SAMPLE FROM LOCATION LW1, PVLV DO LAB DUP ON SAMPLE
- 2) LAKE WATER SAMPLE FROM LOCATION LW2, PVLV
- 3) LAKE WATER SAMPLE FROM LOCATION LW3, PVLV DO MS/MSD ON SAMPLE
- 4) LAKE WATER SAMPLE FROM LOCATION LW4, PVLV

Project No.: ⁶⁷²~~673~~ No. of Samples: Locations: 1) 2) 3) 4)
Project Title: PALOS VERDES LANDFIL RI/FS HCP PHASE 4 SAMPLING

Additional Tests Required

Code	Test Name	Code	Test Name	Code	Test Name
1:	- EPA	4: 667	O+P-XYLENE	7:	-DO NOT DO TESTS 108
2:	- METHOD 418.1	5: 711	COBALT	8:	- 408 OR C15
3: 666	M-XYLENE	6: -		9:	-

Notes to Analyst: See attached list to confirm EPA methods for analyses. For any analyses going to outside laboratories, use accompanying Chain-of-Custody Record sheet. Daily lab blank results must be reported for days these samples are analyzed. Lab Duplicates and/or Matrix Spike/Matrix Spike Duplicates should be performed at a rate of 1 in 10, and results must be provided. Documentation of analysis date for extractions and analyses must be provided. For metals analyses only, use 0.45 micron filter prior to analysis.

Relinquished By:	Date:	Time:	Received By:
<i>[Signature]</i>	10 / 27 / 92	11 : 45	<i>[Signature]</i>
	/ /	:	
	/ /	:	

W. Wolynski
[Signature]

Los Angeles County Sanitation Districts
San Jose Creek Water Quality Laboratory
Sample Request Form / Chain of Custody Record

b Job Nos.: 1) 46118 2) 46119 3) 46120 4) 46121

Charge Nos.: 1) 5066909 B 842 2) B 3) B 4)

Requested By: KAUFMAN Sampling Approved by: [Signature]
Report To: 1) M. JACOBS 2) 3) 4)

Date and Time - Grab Samples:
1) 10 / 26 / 92 11 : 40am 2) 10 / 26 / 92 1 : 55pm
3) 10 / 26 / 92 9 : 45am 4) 10 / 26 / 92 8 : 35am

Date and Time - Composite Samples:
FROM: TO:
1) / / : 1) / / :
2) / / : 2) / / :
3) / / : 3) / / :
4) / / : 4) / / :

Sample Locations:
1) 2 - PVLF - HCP Type: MISC Volume: liters
2) 2 - PVLF - HCP Type: MISC Volume: liters
3) 2 - PVLF - HCP Type: MISC Volume: liters
4) 2 - PVLF - HCP Type: MISC Volume: liters

Descriptions:
1) LAKE WATER SAMPLE FROM LOCATION LW5, PVLF
2) LAKE WATER SAMPLE FROM LOCATION LW6, PVLF
3) LAKE WATER SAMPLE FROM LOCATION LW7, PVLF
4) LAKE WATER SAMPLE FROM LOCATION LW8, PVLF

Project No.: ⁶⁷²/₆₇₃ No. of Samples: Locations: 1) 2) 3) 4)
Project Title: PALOS VERDES LANDFIL RI/FS HCP PHASE 4 SAMPLING

Additional Tests Required

Code	Test Name	Code	Test Name	Code	Test Name
1:	- EPA	4: 667	O+P-XYLENE	7:	-DO NOT DO TESTS 108
2:	- METHOD 418.1	5: 711	COBALT	8:	- 408 OR C15
3: 666	M-XYLENE	6:	-	9:	-

Notes to Analyst: See attached list to confirm EPA methods for analyses. For any analyses going to outside laboratories, use accompanying Chain-of-Custody Record sheet. Daily lab blank results must be reported for days these samples are analyzed. Lab Duplicates and/or Matrix Spike/Matrix Spike Duplicates should be performed at a rate of 1 in 10, and results must be provided. Documentation of analysis date for extractions and analyses must be provided. For metals analyses only, use 0.45 micron filter prior to analysis.

Relinquished By:	Date:	Time:	Received By:
[Signature]	10/27/92	11:45	[Signature]
	/ /	:	
	/ /	:	

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Los Angeles County Sanitation Districts
San Jose Creek Water Quality Laboratory
Sample Request Form / Chain of Custody Record

b Job Nos.: 1) 46122 2) 46123 3) 46124 4) 46125

Charge Nos.: 1) 5066909 B 842 2) B 3) B 4) B

Requested By: KAUFMAN Sampling Approved by: *[Signature]*

Report To: 1) M. JACOBS 2) 3) 4)

Date and Time - Grab Samples:

1) 10 / 26 / 92 | 3 : 15 pm 2) 10 / 26 / 92 | 3 : 35 pm
3) 10 / 26 / 92 | 4 : 15 pm 4) 10 / 26 / 92 | 4 : 40 pm

Date and Time - Composite Samples:

FROM: TO:
1) / / : 1) / / :
2) / / : 2) / / :
3) / / : 3) / / :
4) / / : 4) / / :

Sample Locations:

1) 2 - PVLF - HCP Type: MISC Volume: liters
2) 2 - PVLF - HCP Type: MISC Volume: liters
3) 2 - PVLF - HCP Type: MISC Volume: liters
4) 2 - PVLF - HCP Type: MISC Volume: liters

Descriptions:

- 1) STREAM WATER SAMPLE FROM LOCATION LW9, PVLF
- 2) STREAM WATER SAMPLE FROM LOCATION LW10, PVLF
- 3) STREAM WATER SAMPLE FROM LOCATION LW11, PVLF
- 4) STREAM WATER SAMPLE FROM LOCATION LW12, PVLF

Project No.: ⁶⁷²/~~673~~ No. of Samples: Locations: 1) 2) 3) 4)
Project Title: PALOS VERDES LANDFIL RI/FS HCP PHASE 4 SAMPLING

Additional Tests Required

Code	Test Name	Code	Test Name	Code	Test Name
1:	- EPA	4: 667	O+P -XYLENE	7:	-DO NOT DO TESTS /08
2:	- METHOD 418.1	5: 711	COBALT	8:	- 408 OR C15
3: 666	M -XYLENE	6:	-	9:	-

Notes to Analyst: See attached list to confirm EPA methods for analyses. For any analyses going to outside laboratories, use accompanying Chain-of-Custody Record sheet. Daily lab blank results must be reported for days these samples are analyzed. Lab Duplicates and/or Matrix Spike/Matrix Spike Duplicates should be performed at a rate of 1 in 10, and results must be provided. Documentation of analysis date for extractions and analyses must be provided. For metals analyses only, use 0.45 micron filter prior to analysis.

Relinquished By:	Date:	Time:	Received By:
<i>M. Elshert</i>	10/27/92	11:45	<i>[Signature]</i>
	/ /	:	
	/ /	:	

10/20/92

Los Angeles County Sanitation Districts
San Jose Creek Water Quality Laboratory

Sample Request Form / Chain of Custody Record

45718

b Job Nos.: 1) 45713 2) 45714 3) 45715 4) 45719

Charge Nos.: 1) 5066909 B 842 2) B 3) B 4) B

Requested By: KAUFMAN

Sampling Approved by: *[Signature]*

Report To: 1) M. JACOBS 2) 3) 4)

Date and Time - Grab Samples:

1) 10 / 20 / 92 | 9 : 15 am 2) 10 / 20 / 92 | 8 : 55 a.
3) 10 / 20 / 92 | 10 : 50 am 4) 10 / 20 / 92 | 10 : 20 a.

Date and Time - Composite Samples:

FROM: TO:
1) / / : 1) / / :
2) / / : 2) / / :
3) / / : 3) / / :
4) / / : 4) / / :

Sample Locations:

1) 2 - PVLF - HCP Type: MISC Volume: ~~78~~ 76 liters ^{0.13} 9
2) 2 - PVLF - HCP Type: MISC Volume: ~~78~~ 76 liters 18
3) 2 - PVLF - HCP Type: MISC Volume: ~~78~~ 76 liters 27
4) 2 - PVLF - HCP Type: MISC Volume: ~~78~~ 76 liters 9

Descriptions:

1) STORM DRAIN WATER SAMPLE FROM LOCATION S1, PVLF Do only 601/602 +677
2) STORM DRAIN WATER SAMPLE FROM LOCATION S2, PVLF DO LAB DUP. ON SAMPL
3) STORM DRAIN WATER SAMPLE FROM LOCATION S3, PVLF Do ms/msd on SAMPL
4) STORM DRAIN WATER SAMPLE FROM LOCATION S4, PVLF

Project No.: ~~673~~ ⁶⁷² No. of Samples: Locations: 1) 2) 3) 4)
Project Title: PALOS VERDES LANDFIL RI/FS HCP PHASE 4 SAMPLING

Additional Tests Required

Code	Test Name	Code	Test Name	Code	Test Name
1:	- EPA	4: 667	O+P XYLENE	7:	-DO NOT DO TESTS 108
2:	- METHOD 418.1	5: 711	COBALT	8:	- 408 OR C19
3: 666	M-XYLENE	6:	-	9:	-

Notes to Analyst: See attached list to confirm EPA methods for analyses. For any analyses going to outside laboratories, use accompanying Chain-of-Custody Record sheet. Daily lab blank results must be reported for days these samples are analyzed. Lab Duplicates and/or Matrix Spike/Matrix Spike Duplicates should be performed at a rate of 1 in 10, and results must be provided. Documentation of analysis date for extractions and analyses must be provided. Do all analyses using unfiltered water, then repeat all metals analyses using filtered water. Use 0.45 micron filter.

Relinquished By:	Date:	Time:	Received By:
<i>Patrick J. Mullins</i>	10/20/92	5:35	<i>[Signature]</i>
_____	____/____/____	____:____	_____
_____	____/____/____	____:____	_____

WPM
10/20/92

Los Angeles County Sanitation Districts
San Jose Creek Water Quality Laboratory
Sample Request Form / Chain of Custody Record

b Job Nos.: 1) 45720 2) 45721 3) 45722 4) 45723

Charge Nos.: 1) 5066909 B 842 2) B 3) B 4) B

Requested By: KAUFMAN

Sampling Approved by: *[Signature]*

Report To: 1) M. JACOBS 2) 3) 4)

Date and Time - Grab Samples:

1) 10 / 20 / 92 | 3 : 45pm 2) 10 / 20 / 92 | 1 : 15p
3) 10 / 20 / 92 | 2 : 20pm 4) 10 / 20 / 92 | 8 : 55p

Date and Time - Composite Samples:

FROM: TO:
1) / / : 1) / / :
2) / / : 2) / / :
3) / / : 3) / / :
4) / / : 4) / / :

Sample Locations:

1) 2 - PVLF - HCP Type: MISC Volume: 9 liters
2) 2 - PVLF - HCP Type: MISC Volume: 9 liters
3) 2 - PVLF - HCP Type: MISC Volume: 9 liters
4) 2 - PVLF - HCP Type: MISC Volume: 9 liters

Descriptions:

- 1) STORM DRAIN WATER SAMPLE FROM LOCATION S5, PVLF
- 2) STORM DRAIN WATER SAMPLE FROM LOCATION S6, PVLF
- 3) STORM DRAIN WATER SAMPLE FROM LOCATION S7, PVLF
- 4) STORM DRAIN WATER SAMPLE FROM LOCATION S8, PVLF

Project No.: ⁶⁷²673 No. of Samples: Locations: 1) 2) 3) 4)
Project Title: PALOS VERDES LANDFIL RI/FS HCP PHASE 4 SAMPLING

Additional Tests Required

Code	Test Name	Code	Test Name	Code	Test Name
1:	- EPA	4: 667 O+P-XYLENE		7:	-DO NOT DO TESTS 108
2:	- METHOD 418.1	5: 711 COBALT		8:	- 400 OR C15
3: 666 M-XYLENE		6: -		9:	-

Notes to Analyst: See attached list to confirm EPA methods for analyses. For any analyses going to outside laboratories, use accompanying Chain-of-Custody Record sheet. Daily lab blank results must be reported for days these samples are analyzed. Lab Duplicates and/or Matrix Spike/Matrix Spike Duplicates should be performed at a rate of 1 in 10, and results must be provided. Documentation of analysis date for extractions and analyses must be provided. Do all analyses using unfiltered water, then repeat all metals analyses using filtered water. Use 0.45 micron filter.

Relinquished By:	Date:	Time:	Received By:
<i>[Signature]</i>	10/20/92	5:35p	<i>[Signature]</i>
	/ /	:	
	/ /	:	