

**PALOS VERDES LANDFILL
REMEDIAL INVESTIGATION REPORT**

APPENDIX B.2.2.2

**QA/QC DATA FOR THE
ADDITIONAL SOIL COVER SAMPLES
REPORTED BY ANALYTICAL BATCHES**

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.10 (0.52)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	PH	9045	93/10/04	93/10/07	8.4000 PH
SJ63874	PH	9045	93/10/04	93/10/07	7.4900 PH
SJ63875	PH	9045	93/10/04	93/10/07	8.5800 PH
SJ63876	PH	9045	93/10/04	93/10/07	8.0600 PH
SJ63877	PH	9045	93/10/04	93/10/07	7.9900 PH
SJ63878	PH	9045	93/10/04	93/10/07	8.2000 PH
SJ63879	PH	9045	93/10/05	93/10/07	8.1100 PH
SJ63880	PH	9045	93/10/05	93/10/07	8.3400 PH
SJ63881	PH	9045	93/10/05	93/10/07	5.8500 PH
SJ63882	PH	9045	93/10/05	93/10/07	7.6600 PH
SJ63883	PH	9045	93/10/05	93/10/07	8.0300 PH
SJ63884	PH	9045	93/10/05	93/10/07	8.3000 PH

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.00 (0.52)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	PH	9045	93/10/12	93/10/15	7.9300 PH
SJ64271	PH	9045	93/10/12	93/10/15	8.1800 PH
SJ64272	PH	9045	93/10/12	93/10/15	7.6100 PH
SJ64273	PH	9045	93/10/12	93/10/15	7.9500 PH
SJ64274	PH	9045	93/10/12	93/10/15	7.4400 PH
SJ64275	PH	9045	93/10/12	93/10/15	8.1900 PH
SJ64276	PH	9045	93/10/13	93/10/15	8.2200 PH
SJ64277	PH	9045	93/10/13	93/10/15	7.5900 PH

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA
AVERAGE PERCENT RECOVERY (QA LIMITS)	NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.00 (0.52)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	PH	9045	93/10/13	93/10/15	8.0200 PH
SJ64279	PH	9045	93/10/13	93/10/15	8.1700 PH
SJ64280	PH	9045	93/10/13	93/10/15	8.2300 PH
SJ64281	PH	9045	93/10/13	93/10/15	8.0400 PH
SJ64282	PH	9045	93/10/13	93/10/15	8.4400 PH

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.00 (5.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	CONDUCTIVITY	9050	93/10/04	93/10/07	213.0000 UMHOS/CM
SJ63874	CONDUCTIVITY	9050	93/10/04	93/10/07	210.0000 UMHOS/CM
SJ63875	CONDUCTIVITY	9050	93/10/04	93/10/07	825.0000 UMHOS/CM
SJ63876	CONDUCTIVITY	9050	93/10/04	93/10/07	2690.0000 UMHOS/CM
SJ63877	CONDUCTIVITY	9050	93/10/04	93/10/07	3250.0000 UMHOS/CM
SJ63878	CONDUCTIVITY	9050	93/10/04	93/10/07	1090.0000 UMHOS/CM
SJ63879	CONDUCTIVITY	9050	93/10/05	93/10/07	490.0000 UMHOS/CM
SJ63880	CONDUCTIVITY	9050	93/10/05	93/10/01	537.0000 UMHOS/CM
SJ63881	CONDUCTIVITY	9050	93/10/05	93/10/07	1080.0000 UMHOS/CM
SJ63882	CONDUCTIVITY	9050	93/10/05	93/10/07	683.0000 UMHOS/CM
SJ63883	CONDUCTIVITY	9050	93/10/05	93/10/07	721.0000 UMHOS/CM
SJ63884	CONDUCTIVITY	9050	93/10/05	93/10/07	715.0000 UMHOS/CM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.00 (5.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	CONDUCTIVITY	9050	93/10/12	93/10/15	637.0000 UMHOS/CM
SJ64271	CONDUCTIVITY	9050	93/10/12	93/10/15	1100.0000 UMHOS/CM
SJ64272	CONDUCTIVITY	9050	93/10/12	93/10/15	2430.0000 UMHOS/CM
SJ64273	CONDUCTIVITY	9050	93/10/12	93/10/15	783.0000 UMHOS/CM
SJ64274	CONDUCTIVITY	9050	93/10/12	93/10/15	1710.0000 UMHOS/CM
SJ64275	CONDUCTIVITY	9050	93/10/12	93/10/15	556.0000 UMHOS/CM
SJ64276	CONDUCTIVITY	9050	93/10/13	93/10/15	307.0000 UMHOS/CM
SJ64277	CONDUCTIVITY	9050	93/10/13	93/10/15	1240.0000 UMHOS/CM

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.00 (5.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	CONDUCTIVITY	9050	93/10/13	93/10/15	854.0000 UMHOS/CM
SJ64279	CONDUCTIVITY	9050	93/10/13	93/10/15	393.0000 UMHOS/CM
SJ64280	CONDUCTIVITY	9050	93/10/13	93/10/15	313.0000 UMHOS/CM
SJ64281	CONDUCTIVITY	9050	93/10/13	93/10/15	874.0000 UMHOS/CM
SJ64282	CONDUCTIVITY	9050	93/10/13	93/10/15	220.0000 UMHOS/CM

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK < 0.010
AVERAGE PERCENT RECOVERY (QA LIMITS) 101.80 (66.00 - 135.80)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 2.30 (8.08)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ63873	NITRATE NITROGEN	300	93/10/04	93/10/13	6.8800 MG/KG	N
SJ63874	NITRATE NITROGEN	300	93/10/04	93/10/13	50.5000 MG/KG	N
SJ63875	NITRATE NITROGEN	300	93/10/04	93/10/16	0.1500 MG/KG	N
SJ63876	NITRATE NITROGEN	300	93/10/04	93/10/16	44.5000 MG/KG	N
SJ63877	NITRATE NITROGEN	300	93/10/04	93/10/16	4.5300 MG/KG	N
SJ63878	NITRATE NITROGEN	300	93/10/04	93/10/16	6.6800 MG/KG	N
SJ63879	NITRATE NITROGEN	300	93/10/05	93/10/13	9.0500 MG/KG	N
SJ63880	NITRATE NITROGEN	300	93/10/05	93/10/13	25.5000 MG/KG	N
SJ63881	NITRATE NITROGEN	300	93/10/05	93/10/16	44.3000 MG/KG	N
SJ63882	NITRATE NITROGEN	300	93/10/05	93/10/13	18.2000 MG/KG	N
SJ63883	NITRATE NITROGEN	300	93/10/05	93/10/16	30.3000 MG/KG	N
SJ63884	NITRATE NITROGEN	300	93/10/05	93/10/16	3.7800 MG/KG	N

BATCH: 2

LAB QA RESULTS:

METHOD BLANK < 0.010
AVERAGE PERCENT RECOVERY (QA LIMITS) 99.70 (66.00 - 135.80)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.20 (8.08)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64270	NITRATE NITROGEN	300	93/10/12	93/10/07	26.3000 MG/KG	N
SJ64271	NITRATE NITROGEN	300	93/10/12	93/10/27	15.5000 MG/KG	N
SJ64272	NITRATE NITROGEN	300	93/10/12	93/10/27	22.5000 MG/KG	N
SJ64273	NITRATE NITROGEN	300	93/10/12	93/10/27	26.7000 MG/KG	N
SJ64274	NITRATE NITROGEN	300	93/10/12	93/10/27	220.0000 MG/KG	N
SJ64275	NITRATE NITROGEN	300	93/10/12	93/10/27	17.8000 MG/KG	N
SJ64276	NITRATE NITROGEN	300	93/10/13	93/10/27	3.2000 MG/KG	N
SJ64277	NITRATE NITROGEN	300	93/10/13	93/10/27	51.4000 MG/KG	N

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	<	0.010	
AVERAGE PERCENT RECOVERY (QA LIMITS)	99.70		(66.00 - 135.80)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.20		(8.08)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	NITRATE NITROGEN	300	93/10/13	93/10/27	1.6900 MG/KG N
SJ64279	NITRATE NITROGEN	300	93/10/13	93/10/27	4.9100 MG/KG N
SJ64280	NITRATE NITROGEN	300	93/10/13	93/10/27	2.4300 MG/KG N
SJ64281	NITRATE NITROGEN	300	93/10/13	93/10/27	1.1400 MG/KG N
SJ64282	NITRATE NITROGEN	300	93/10/13	93/10/27	0.3600 MG/KG N

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK < 1.000
AVERAGE PERCENT RECOVERY (QA LIMITS) 96.70 (71.20 - 121.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.20 (12.85)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	SULFATE	300	93/10/04	93/10/13	15.0000 MG/KG S04
SJ63874	SULFATE	300	93/10/04	93/10/16	219.0000 MG/KG S04
SJ63875	SULFATE	300	93/10/04	93/10/13	1353.0000 MG/KG S04
SJ63876	SULFATE	300	93/10/04	93/10/16	1273.0000 MG/KG S04
SJ63877	SULFATE	300	93/10/04	93/10/13	558.0000 MG/KG S04
SJ63878	SULFATE	300	93/10/04	93/10/13	172.0000 MG/KG S04
SJ63879	SULFATE	300	93/10/05	93/10/16	133.0000 MG/KG S04
SJ63880	SULFATE	300	93/10/05	93/10/16	110.0000 MG/KG S04
SJ63881	SULFATE	300	93/10/05	93/10/16	758.0000 MG/KG S04
SJ63882	SULFATE	300	93/10/05	93/10/16	216.0000 MG/KG S04
SJ63883	SULFATE	300	93/10/05	93/10/16	600.0000 MG/KG S04
SJ63884	SULFATE	300	93/10/05	93/10/16	202.0000 MG/KG S04

BATCH: 2

LAB QA RESULTS:

METHOD BLANK < 2.000
AVERAGE PERCENT RECOVERY (QA LIMITS) 106.70 (71.20 - 121.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.10 (12.85)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	SULFATE	300	93/10/12	93/10/27	100.0000 MG/KG S04
SJ64271	SULFATE	300	93/10/12	93/10/27	334.0000 MG/KG S04
SJ64272	SULFATE	300	93/10/12	93/10/27	2170.0000 MG/KG S04
SJ64273	SULFATE	300	93/10/12	93/10/27	142.0000 MG/KG S04
SJ64274	SULFATE	300	93/10/12	93/10/27	135.0000 MG/KG S04
SJ64275	SULFATE	300	93/10/12	93/10/27	106.0000 MG/KG S04
SJ64276	SULFATE	300	93/10/13	93/10/27	74.0000 MG/KG S04
SJ64277	SULFATE	300	93/10/13	93/10/27	432.0000 MG/KG S04

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	<	2.000	
AVERAGE PERCENT RECOVERY (QA LIMITS)	106.70	(71.20 - 121.00)	
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.10	(12.85)	

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	SULFATE	300	93/10/13	93/10/27	478.0000 MG/KG	S04
SJ64279	SULFATE	300	93/10/13	93/10/27	61.0000 MG/KG	S04
SJ64280	SULFATE	300	93/10/13	93/10/27	75.0000 MG/KG	S04
SJ64281	SULFATE	300	93/10/13	93/10/27	486.0000 MG/KG	S04
SJ64282	SULFATE	300	93/10/13	93/10/27	77.0000 MG/KG	S04

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK < 1.000
AVERAGE PERCENT RECOVERY (QA LIMITS) 99.40 (75.70 - 139.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.90 (11.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	CHLORIDE	300	93/10/04	93/10/13	13.0000 MG/KG CL
SJ63874	CHLORIDE	300	93/10/04	93/10/13	25.0000 MG/KG CL
SJ63875	CHLORIDE	300	93/10/04	93/10/16	420.0000 MG/KG CL
SJ63877	CHLORIDE	300	93/10/04	93/10/16	92.0000 MG/KG CL
SJ63878	CHLORIDE	300	93/10/04	93/10/16	245.0000 MG/KG CL
SJ63879	CHLORIDE	300	93/10/05	93/10/13	28.0000 MG/KG CL
SJ63880	CHLORIDE	300	93/10/05	93/10/13	70.0000 MG/KG CL
SJ63881	CHLORIDE	300	93/10/05	93/10/16	109.0000 MG/KG CL
SJ63882	CHLORIDE	300	93/10/05	93/10/13	87.0000 MG/KG CL
SJ63883	CHLORIDE	300	93/10/05	93/10/16	263.0000 MG/KG CL
SJ63884	CHLORIDE	300	93/10/05	93/10/16	74.0000 MG/KG CL

BATCH: 2

LAB QA RESULTS:

METHOD BLANK < 1.000
AVERAGE PERCENT RECOVERY (QA LIMITS) 100.10 (75.70 - 139.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 4.30 (11.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	CHLORIDE	300	93/10/12	93/10/27	35.0000 MG/KG CL
SJ64271	CHLORIDE	300	93/10/12	93/10/27	131.0000 MG/KG CL
SJ64272	CHLORIDE	300	93/10/12	93/10/27	157.0000 MG/KG CL
SJ64273	CHLORIDE	300	93/10/12	93/10/27	47.0000 MG/KG CL
SJ64274	CHLORIDE	300	93/10/12	93/10/27	33.0000 MG/KG CL
SJ64275	CHLORIDE	300	93/10/12	93/10/27	41.0000 MG/KG CL
SJ64276	CHLORIDE	300	93/10/13	93/10/27	23.0000 MG/KG CL
SJ64277	CHLORIDE	300	93/10/13	93/10/27	92.0000 MG/KG CL
SJ64278	CHLORIDE	300	93/10/13	93/10/27	38.0000 MG/KG CL

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	< 1.000	
AVERAGE PERCENT RECOVERY (QA LIMITS)	100.10	(75.70 - 139.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	4.30	(11.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64279	CHLORIDE	300	93/10/13	93/10/27	9.0000 MG/KG	CL
SJ64280	CHLORIDE	300	93/10/13	93/10/27	24.0000 MG/KG	CL
SJ64281	CHLORIDE	300	93/10/13	93/10/27	39.0000 MG/KG	CL
SJ64282	CHLORIDE	300	93/10/13	93/10/27	10.0000 MG/KG	CL

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 133.00 (56.60 - 139.60)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 2.40 (25.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	CALCIUM	6010	93/10/04	93/10/22	10400.0000 MG/KG CA
SJ63874	CALCIUM	6010	93/10/04	93/10/22	21100.0000 MG/KG CA
SJ63875	CALCIUM	6010	93/10/04	93/10/22	17100.0000 MG/KG CA
SJ63876	CALCIUM	6010	93/10/04	93/10/22	48500.0000 MG/KG CA
SJ63877	CALCIUM	6010	93/10/04	93/10/22	11300.0000 MG/KG CA
SJ63878	CALCIUM	6010	93/10/04	93/10/22	38100.0000 MG/KG CA
SJ63879	CALCIUM	6010	93/10/05	93/10/22	68500.0000 MG/KG CA
SJ63880	CALCIUM	6010	93/10/05	93/10/22	13500.0000 MG/KG CA
SJ63881	CALCIUM	6010	93/10/05	93/10/22	11400.0000 MG/KG CA
SJ63882	CALCIUM	6010	93/10/05	93/10/22	11400.0000 MG/KG CA
SJ63883	CALCIUM	6010	93/10/05	93/10/22	49100.0000 MG/KG CA
SJ63884	CALCIUM	6010	93/10/05	93/10/22	39200.0000 MG/KG CA

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 79.00 (56.60 - 139.60)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 8.40 (25.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	CALCIUM	6010	93/10/12	93/10/27	7350.0000 MG/KG CA
SJ64271	CALCIUM	6010	93/10/12	93/10/27	75700.0000 MG/KG CA
SJ64272	CALCIUM	6010	93/10/12	93/10/27	26100.0000 MG/KG CA
SJ64273	CALCIUM	6010	93/10/12	93/10/27	57900.0000 MG/KG CA
SJ64274	CALCIUM	6010	93/10/12	93/10/27	31600.0000 MG/KG CA
SJ64275	CALCIUM	6010	93/10/12	93/10/27	13800.0000 MG/KG CA
SJ64276	CALCIUM	6010	93/10/13	93/10/27	5150.0000 MG/KG CA
SJ64277	CALCIUM	6010	93/10/13	93/10/27	11000.0000 MG/KG CA

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	79.00	(56.60 - 139.60)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	8.40	(25.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	CALCIUM	6010	93/10/13	93/10/27	10700.0000	MG/KG CA
SJ64279	CALCIUM	6010	93/10/13	93/10/27	17500.0000	MG/KG CA
SJ64280	CALCIUM	6010	93/10/13	93/10/27	5240.0000	MG/KG CA
SJ64281	CALCIUM	6010	93/10/13	93/10/27	9450.0000	MG/KG CA
SJ64282	CALCIUM	6010	93/10/13	93/10/27	4730.0000	MG/KG CA

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 111.00 (77.30 - 124.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 2.00 (10.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	MAGNESIUM	6010	93/10/04	93/10/22	4380.0000 MG/KG MG
SJ63874	MAGNESIUM	6010	93/10/04	93/10/22	10700.0000 MG/KG MG
SJ63875	MAGNESIUM	6010	93/10/04	93/10/22	8840.0000 MG/KG MG
SJ63876	MAGNESIUM	6010	93/10/04	93/10/22	19600.0000 MG/KG MG
SJ63877	MAGNESIUM	6010	93/10/04	93/10/22	5330.0000 MG/KG MG
SJ63878	MAGNESIUM	6010	93/10/04	93/10/22	16100.0000 MG/KG MG
SJ63879	MAGNESIUM	6010	93/10/05	93/10/22	13900.0000 MG/KG MG
SJ63880	MAGNESIUM	6010	93/10/05	93/10/22	5080.0000 MG/KG MG
SJ63881	MAGNESIUM	6010	93/10/05	93/10/22	7830.0000 MG/KG MG
SJ63882	MAGNESIUM	6010	93/10/05	93/10/22	7090.0000 MG/KG MG
SJ63883	MAGNESIUM	6010	93/10/05	93/10/22	2140.0000 MG/KG MG
SJ63884	MAGNESIUM	6010	93/10/05	93/10/22	9760.0000 MG/KG MG

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 91.00 (77.30 - 124.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.50 (10.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	MAGNESIUM	6010	93/10/12	93/10/27	6530.0000 MG/KG MG
SJ64271	MAGNESIUM	6010	93/10/12	93/10/27	19100.0000 MG/KG MG
SJ64272	MAGNESIUM	6010	93/10/12	93/10/27	10900.0000 MG/KG MG
SJ64273	MAGNESIUM	6010	93/10/12	93/10/27	13400.0000 MG/KG MG
SJ64274	MAGNESIUM	6010	93/10/12	93/10/27	10000.0000 MG/KG MG
SJ64275	MAGNESIUM	6010	93/10/12	93/10/27	8250.0000 MG/KG MG
SJ64276	MAGNESIUM	6010	93/10/13	93/10/27	4420.0000 MG/KG MG
SJ64277	MAGNESIUM	6010	93/10/13	93/10/27	7840.0000 MG/KG MG

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	91.00	(77.30 - 124.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.50	(10.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	MAGNESIUM	6010	93/10/13	93/10/27	6050.0000 MG/KG	MG
SJ64279	MAGNESIUM	6010	93/10/13	93/10/27	8010.0000 MG/KG	MG
SJ64280	MAGNESIUM	6010	93/10/13	93/10/27	4460.0000 MG/KG	MG
SJ64281	MAGNESIUM	6010	93/10/13	93/10/27	6210.0000 MG/KG	MG
SJ64282	MAGNESIUM	6010	93/10/13	93/10/27	4530.0000 MG/KG	MG

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK 0.560
AVERAGE PERCENT RECOVERY (QA LIMITS) 95.78 (67.26 - 139.67)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 2.00 (40.74)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	ARSENIC	7061	93/10/04	93/11/16	5.4000 MG/KG AS
SJ63874	ARSENIC	7061	93/10/04	93/11/16	8.9000 MG/KG AS
SJ63875	ARSENIC	7061	93/10/04	93/11/16	4.7000 MG/KG AS
SJ63876	ARSENIC	7061	93/10/04	93/11/16	14.2000 MG/KG AS
SJ63877	ARSENIC	7061	93/10/04	93/11/16	3.3000 MG/KG AS
SJ63878	ARSENIC	7061	93/10/04	93/11/16	8.8000 MG/KG AS
SJ63879	ARSENIC	7061	93/10/05	93/11/16	11.6000 MG/KG AS
SJ63880	ARSENIC	7061	93/10/05	93/11/16	3.3000 MG/KG AS
SJ63881	ARSENIC	7061	93/10/05	93/11/16	27.9000 MG/KG AS
SJ63882	ARSENIC	7061	93/10/05	93/11/16	6.9000 MG/KG AS
SJ63883	ARSENIC	7061	93/10/05	93/11/16	14.1000 MG/KG AS
SJ63884	ARSENIC	7061	93/10/05	93/11/16	6.6000 MG/KG AS

BATCH: 2

LAB QA RESULTS:

METHOD BLANK 0.560
AVERAGE PERCENT RECOVERY (QA LIMITS) 100.08 (67.26 - 139.67)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 34.32 (40.74)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	ARSENIC	7061	93/10/12	93/11/16	2.8000 MG/KG AS
SJ64271	ARSENIC	7061	93/10/12	93/11/16	6.4000 MG/KG AS
SJ64272	ARSENIC	7061	93/10/12	93/11/16	8.7000 MG/KG AS
SJ64273	ARSENIC	7061	93/10/12	93/11/16	4.8000 MG/KG AS
SJ64274	ARSENIC	7061	93/10/12	93/11/16	6.8000 MG/KG AS
SJ64275	ARSENIC	7061	93/10/12	93/11/16	7.0000 MG/KG AS
SJ64276	ARSENIC	7061	93/10/13	93/11/16	3.9000 MG/KG AS
SJ64277	ARSENIC	7061	93/10/13	93/11/16	6.8000 MG/KG AS

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	0.560	
AVERAGE PERCENT RECOVERY (QA LIMITS)	100.08	(67.26 - 139.67)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	34.32	(40.74)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	ARSENIC	7061	93/10/13	93/11/16	4.9000 MG/KG AS
SJ64279	ARSENIC	7061	93/10/13	93/11/16	7.5000 MG/KG AS
SJ64280	ARSENIC	7061	93/10/13	93/11/16	4.8000 MG/KG AS
SJ64281	ARSENIC	7061	93/10/13	93/11/16	2.2000 MG/KG AS
SJ64282	ARSENIC	7061	93/10/13	93/11/16	2.8000 MG/KG AS

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	115.10	(69.30 - 133.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	7.50	(18.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ63873	BARIU	6010	93/10/04	93/10/21	150.0000	MG/KG BA
SJ63874	BARIU	6010	93/10/04	93/10/21	314.0000	MG/KG BA
SJ63875	BARIU	6010	93/10/04	93/10/21	338.0000	MG/KG BA
SJ63876	BARIU	6010	93/10/04	93/10/21	642.0000	MG/KG BA
SJ63877	BARIU	6010	93/10/04	93/10/21	217.0000	MG/KG BA
SJ63878	BARIU	6010	93/10/04	93/10/21	766.0000	MG/KG BA
SJ63879	BARIU	6010	93/10/05	93/10/21	700.0000	MG/KG BA
SJ63880	BARIU	6010	93/10/05	93/10/21	423.0000	MG/KG BA
SJ63881	BARIU	6010	93/10/05	93/10/21	330.0000	MG/KG BA
SJ63882	BARIU	6010	93/10/05	93/10/21	383.0000	MG/KG BA
SJ63883	BARIU	6010	93/10/05	93/10/21	750.0000	MG/KG BA
SJ63884	BARIU	6010	93/10/05	93/10/21	954.0000	MG/KG BA

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	119.50	(69.30 - 133.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	11.70	(18.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64270	BARIU	6010	93/10/12	93/10/25	185.0000	MG/KG BA
SJ64271	BARIU	6010	93/10/12	93/10/25	681.0000	MG/KG BA
SJ64272	BARIU	6010	93/10/12	93/10/25	650.0000	MG/KG BA
SJ64273	BARIU	6010	93/10/12	93/10/25	3220.0000	MG/KG BA
SJ64274	BARIU	6010	93/10/12	93/10/25	337.0000	MG/KG BA
SJ64275	BARIU	6010	93/10/12	93/10/25	2.4100	MG/KG BA
SJ64276	BARIU	6010	93/10/13	93/10/25	131.0000	MG/KG BA
SJ64277	BARIU	6010	93/10/13	93/10/25	405.0000	MG/KG BA

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	119.50	(69.30 - 133.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	11.70	(18.00)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	BARIUM	6010	93/10/13	93/10/25	242.0000 MG/KG	BA
SJ64279	BARIUM	6010	93/10/13	93/10/25	1010.0000 MG/KG	BA
SJ64280	BARIUM	6010	93/10/13	93/10/25	140.0000 MG/KG	BA
SJ64281	BARIUM	6010	93/10/13	93/10/25	252.0000 MG/KG	BA
SJ64282	BARIUM	6010	93/10/13	93/10/25	117.0000 MG/KG	BA

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 90.60 (82.00 - 119.30)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 6.50 (16.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ63873	CADMIUM	6010	93/10/04	93/10/21	<	1.0000 MG/KG	CD
SJ63874	CADMIUM	6010	93/10/04	93/10/21		1.5000 MG/KG	CD
SJ63875	CADMIUM	6010	93/10/04	93/10/21	<	1.0000 MG/KG	CD
SJ63876	CADMIUM	6010	93/10/04	93/10/21		3.3000 MG/KG	CD
SJ63877	CADMIUM	6010	93/10/04	93/10/21	<	1.0000 MG/KG	CD
SJ63878	CADMIUM	6010	93/10/04	93/10/21		1.4000 MG/KG	CD
SJ63879	CADMIUM	6010	93/10/05	93/10/21		2.7000 MG/KG	CD
SJ63880	CADMIUM	6010	93/10/05	93/10/21		1.4000 MG/KG	CD
SJ63881	CADMIUM	6010	93/10/05	93/10/21		3.1000 MG/KG	CD
SJ63882	CADMIUM	6010	93/10/05	93/10/21	<	1.0000 MG/KG	CD
SJ63883	CADMIUM	6010	93/10/05	93/10/21		8.4000 MG/KG	CD
SJ63884	CADMIUM	6010	93/10/05	93/10/21		5.5000 MG/KG	CD

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 91.30 (82.00 - 119.30)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.50 (16.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64270	CADMIUM	6010	93/10/12	93/10/25	<	1.0000 MG/KG	CD
SJ64271	CADMIUM	6010	93/10/12	93/10/25		3.3000 MG/KG	CD
SJ64272	CADMIUM	6010	93/10/12	93/10/25		2.3000 MG/KG	CD
SJ64273	CADMIUM	6010	93/10/12	93/10/25		1.8000 MG/KG	CD
SJ64274	CADMIUM	6010	93/10/12	93/10/25		5.7000 MG/KG	CD
SJ64275	CADMIUM	6010	93/10/12	93/10/25	<	1.0000 MG/KG	CD
SJ64276	CADMIUM	6010	93/10/13	93/10/25	<	1.0000 MG/KG	CD
SJ64277	CADMIUM	6010	93/10/13	93/10/25		1.2000 MG/KG	CD

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	91.30	(82.00 - 119.30)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.50	(16.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT
SJ64278	CADMIUM	6010	93/10/13	93/10/25	<	1.0000 MG/KG CD
SJ64279	CADMIUM	6010	93/10/13	93/10/25	<	1.0000 MG/KG CD
SJ64280	CADMIUM	6010	93/10/13	93/10/25	<	1.0000 MG/KG CD
SJ64281	CADMIUM	6010	93/10/13	93/10/25	<	1.0000 MG/KG CD
SJ64282	CADMIUM	6010	93/10/13	93/10/25	<	1.0000 MG/KG CD

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 90.00 (71.80 - 112.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 2.00 (9.10)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ63873	TOTAL CHROMIUM	6010	93/10/04	93/10/21	34.3000 MG/KG	CR
SJ63874	TOTAL CHROMIUM	6010	93/10/04	93/10/21	72.9000 MG/KG	CR
SJ63875	TOTAL CHROMIUM	6010	93/10/04	93/10/21	35.5000 MG/KG	CR
SJ63876	TOTAL CHROMIUM	6010	93/10/04	93/10/21	85.2000 MG/KG	CR
SJ63877	TOTAL CHROMIUM	6010	93/10/04	93/10/21	18.3000 MG/KG	CR
SJ63878	TOTAL CHROMIUM	6010	93/10/04	93/10/21	101.0000 MG/KG	CR
SJ63879	TOTAL CHROMIUM	6010	93/10/05	93/10/21	70.6000 MG/KG	CR
SJ63880	TOTAL CHROMIUM	6010	93/10/05	93/10/21	48.1000 MG/KG	CR
SJ63881	TOTAL CHROMIUM	6010	93/10/05	93/10/21	96.0000 MG/KG	CR
SJ63882	TOTAL CHROMIUM	6010	93/10/05	93/10/21	63.2000 MG/KG	CR
SJ63883	TOTAL CHROMIUM	6010	93/10/05	93/10/21	149.0000 MG/KG	CR
SJ63884	TOTAL CHROMIUM	6010	93/10/05	93/10/21	108.0000 MG/KG	CR

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 89.70 (71.80 - 112.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.30 (9.10)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64270	TOTAL CHROMIUM	6010	93/10/12	93/10/25	38.6000 MG/KG	CR
SJ64271	TOTAL CHROMIUM	6010	93/10/12	93/10/25	70.1000 MG/KG	CR
SJ64272	TOTAL CHROMIUM	6010	93/10/12	93/10/25	72.5000 MG/KG	CR
SJ64273	TOTAL CHROMIUM	6010	93/10/12	93/10/25	58.3000 MG/KG	CR
SJ64274	TOTAL CHROMIUM	6010	93/10/12	93/10/25	84.5000 MG/KG	CR
SJ64275	TOTAL CHROMIUM	6010	93/10/12	93/10/25	60.8000 MG/KG	CR
SJ64276	TOTAL CHROMIUM	6010	93/10/13	93/10/25	26.3000 MG/KG	CR
SJ64277	TOTAL CHROMIUM	6010	93/10/13	93/10/25	56.5000 MG/KG	CR

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	89.70	(71.80 - 112.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.30	(9.10)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	TOTAL CHROMIUM	6010	93/10/13	93/10/25	36.3000 MG/KG	CR
SJ64279	TOTAL CHROMIUM	6010	93/10/13	93/10/25	46.5000 MG/KG	CR
SJ64280	TOTAL CHROMIUM	6010	93/10/13	93/10/25	28.6000 MG/KG	CR
SJ64281	TOTAL CHROMIUM	6010	93/10/13	93/10/25	37.4000 MG/KG	CR
SJ64282	TOTAL CHROMIUM	6010	93/10/13	93/10/25	208.0000 MG/KG	CR

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	83.20	(61.60 - 150.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	2.20	(14.60)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	COBALT	6010	93/10/04	93/10/21	4.9000 MG/KG CO
SJ63874	COBALT	6010	93/10/04	93/10/21	7.1000 MG/KG CO
SJ63875	COBALT	6010	93/10/04	93/10/21	6.6000 MG/KG CO
SJ63876	COBALT	6010	93/10/04	93/10/21	6.4000 MG/KG CO
SJ63877	COBALT	6010	93/10/04	93/10/21	< 4.0000 MG/KG CO
SJ63878	COBALT	6010	93/10/04	93/10/21	6.6000 MG/KG CO
SJ63879	COBALT	6010	93/10/05	93/10/21	5.2000 MG/KG CO
SJ63880	COBALT	6010	93/10/05	93/10/21	8.8000 MG/KG CO
SJ63881	COBALT	6010	93/10/05	93/10/21	8.2000 MG/KG CO
SJ63882	COBALT	6010	93/10/05	93/10/21	7.1000 MG/KG CO
SJ63883	COBALT	6010	93/10/05	93/10/21	5.2000 MG/KG CO
SJ63884	COBALT	6010	93/10/05	93/10/21	11.0000 MG/KG CO

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	94.90	(61.60 - 150.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	4.40	(14.60)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	COBALT	6010	93/10/12	93/10/25	11.0000 MG/KG CO
SJ64271	COBALT	6010	93/10/12	93/10/25	7.4000 MG/KG CO
SJ64272	COBALT	6010	93/10/12	93/10/25	7.4000 MG/KG CO
SJ64273	COBALT	6010	93/10/12	93/10/25	8.3000 MG/KG CO
SJ64274	COBALT	6010	93/10/12	93/10/25	7.7000 MG/KG CO
SJ64275	COBALT	6010	93/10/12	93/10/25	13.0000 MG/KG CO
SJ64276	COBALT	6010	93/10/13	93/10/25	6.5000 MG/KG CO
SJ64277	COBALT	6010	93/10/13	93/10/25	7.8000 MG/KG CO

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	94.90	(61.60 - 150.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	4.40	(14.60)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	COBALT	6010	93/10/13	93/10/25	5.4000 MG/KG CO
SJ64279	COBALT	6010	93/10/13	93/10/25	6.2000 MG/KG CO
SJ64280	COBALT	6010	93/10/13	93/10/25	6.1000 MG/KG CO
SJ64281	COBALT	6010	93/10/13	93/10/25	5.6000 MG/KG CO
SJ64282	COBALT	6010	93/10/13	93/10/25	6.0000 MG/KG CO

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	103.30	(80.90 - 138.60)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.00	(19.70)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	IRON	6010	93/10/04	93/10/21	13000.0000 MG/KG FE
SJ63874	IRON	6010	93/10/04	93/10/21	20100.0000 MG/KG FE
SJ63875	IRON	6010	93/10/04	93/10/21	16500.0000 MG/KG FE
SJ63876	IRON	6010	93/10/04	93/10/21	22600.0000 MG/KG FE
SJ63877	IRON	6010	93/10/04	93/10/21	8670.0000 MG/KG FE
SJ63878	IRON	6010	93/10/04	93/10/21	17100.0000 MG/KG FE
SJ63879	IRON	6010	93/10/05	93/10/21	18900.0000 MG/KG FE
SJ63880	IRON	6010	93/10/05	93/10/21	18800.0000 MG/KG FE
SJ63881	IRON	6010	93/10/05	93/10/21	24300.0000 MG/KG FE
SJ63882	IRON	6010	93/10/05	93/10/21	22200.0000 MG/KG FE
SJ63883	IRON	6010	93/10/05	93/10/21	15100.0000 MG/KG FE
SJ63884	IRON	6010	93/10/05	93/10/21	22700.0000 MG/KG FE

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	115.00	(80.90 - 138.60)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	4.20	(19.70)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	IRON	6010	93/10/12	93/10/25	25600.0000 MG/KG FE
SJ64271	IRON	6010	93/10/12	93/10/25	17300.0000 MG/KG FE
SJ64272	IRON	6010	93/10/12	93/10/25	19700.0000 MG/KG FE
SJ64273	IRON	6010	93/10/12	93/10/25	20500.0000 MG/KG FE
SJ64274	IRON	6010	93/10/12	93/10/25	18100.0000 MG/KG FE
SJ64275	IRON	6010	93/10/12	93/10/25	30500.0000 MG/KG FE
SJ64276	IRON	6010	93/10/13	93/10/25	13900.0000 MG/KG FE
SJ64277	IRON	6010	93/10/13	93/10/25	19300.0000 MG/KG FE

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	115.00	(80.90 - 138.60)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	4.20	(19.70)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	IRON	6010	93/10/13	93/10/25	14000.0000 MG/KG	FE
SJ64279	IRON	6010	93/10/13	93/10/25	17100.0000 MG/KG	FE
SJ64280	IRON	6010	93/10/13	93/10/25	14300.0000 MG/KG	FE
SJ64281	IRON	6010	93/10/13	93/10/25	14500.0000 MG/KG	FE
SJ64282	IRON	6010	93/10/13	93/10/25	14500.0000 MG/KG	FE

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 101.40 (62.80 - 138.20)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.90 (20.10)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	LEAD	7420	93/10/04	93/11/10	4.0000 MG/KG PB
SJ63874	LEAD	7420	93/10/04	93/11/10	9.0000 MG/KG PB
SJ63875	LEAD	7420	93/10/04	93/11/10	9.0000 MG/KG PB
SJ63876	LEAD	7420	93/10/04	93/11/10	5.0000 MG/KG PB
SJ63877	LEAD	7420	93/10/04	93/11/10	14.0000 MG/KG PB
SJ63878	LEAD	7420	93/10/04	93/11/10	5.0000 MG/KG PB
SJ63879	LEAD	7420	93/10/05	93/11/10	7.0000 MG/KG PB
SJ63880	LEAD	7420	93/10/05	93/11/10	11.0000 MG/KG PB
SJ63881	LEAD	7420	93/10/05	93/11/10	22.0000 MG/KG PB
SJ63882	LEAD	7420	93/10/05	93/11/10	26.0000 MG/KG PB
SJ63883	LEAD	7420	93/10/05	93/11/10	108.0000 MG/KG PB
SJ63884	LEAD	7420	93/10/05	93/11/10	7.0000 MG/KG PB

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 99.40 (62.80 - 138.20)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.50 (20.10)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	LEAD	7420	93/10/12	93/11/10	13.0000 MG/KG PB
SJ64271	LEAD	7420	93/10/12	93/11/10	13.0000 MG/KG PB
SJ64272	LEAD	7420	93/10/12	93/11/10	24.0000 MG/KG PB
SJ64273	LEAD	7420	93/10/12	93/11/10	12.0000 MG/KG PB
SJ64274	LEAD	7420	93/10/12	93/11/10	10.0000 MG/KG PB
SJ64275	LEAD	7420	93/10/12	93/11/10	17.0000 MG/KG PB
SJ64276	LEAD	7420	93/10/13	93/11/10	7.0000 MG/KG PB
SJ64277	LEAD	7420	93/10/13	93/11/10	8.0000 MG/KG PB

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	99.40	(62.80 - 138.20)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.50	(20.10)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	LEAD	7420	93/10/13	93/11/10	4.0000 MG/KG PB
SJ64279	LEAD	7420	93/10/13	93/11/10	6.0000 MG/KG PB
SJ64280	LEAD	7420	93/10/13	93/11/10	6.0000 MG/KG PB
SJ64281	LEAD	7420	93/10/13	93/11/10	4.0000 MG/KG PB
SJ64282	LEAD	7420	93/10/13	93/11/10	4.0000 MG/KG PB

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 109.90 * (70.20 - 99.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 3.90 (9.80)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ63873	MANGANESE	6010	93/10/04	93/10/04	147.0000	MG/KG MN
SJ63874	MANGANESE	6010	93/10/04	93/10/21	184.0000	MG/KG MN
SJ63875	MANGANESE	6010	93/10/04	93/10/21	185.0000	MG/KG MN
SJ63876	MANGANESE	6010	93/10/04	93/10/21	158.0000	MG/KG MN
SJ63877	MANGANESE	6010	93/10/04	93/10/21	104.0000	MG/KG MN
SJ63878	MANGANESE	6010	93/10/04	93/10/21	169.0000	MG/KG MN
SJ63879	MANGANESE	6010	93/10/05	93/10/21	183.0000	MG/KG MN
SJ63880	MANGANESE	6010	93/10/05	93/10/21	350.0000	MG/KG MN
SJ63881	MANGANESE	6010	93/10/05	93/10/21	240.0000	MG/KG MN
SJ63882	MANGANESE	6010	93/10/05	93/10/21	182.0000	MG/KG MN
SJ63883	MANGANESE	6010	93/10/05	93/10/21	140.0000	MG/KG MN
SJ63884	MANGANESE	6010	93/10/05	93/10/21	441.0000	MG/KG MN

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 103.20 * (70.20 - 99.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 5.10 (9.80)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64270	MANGANESE	6010	93/10/12	93/10/25	329.0000	MG/KG MN
SJ64271	MANGANESE	6010	93/10/12	93/10/25	302.0000	MG/KG MN
SJ64272	MANGANESE	6010	93/10/12	93/10/25	227.0000	MG/KG MN
SJ64273	MANGANESE	6010	93/10/12	93/10/25	362.0000	MG/KG MN
SJ64274	MANGANESE	6010	93/10/12	93/10/25	291.0000	MG/KG MN
SJ64275	MANGANESE	6010	93/10/12	93/10/25	637.0000	MG/KG MN
SJ64276	MANGANESE	6010	93/10/13	93/10/25	177.0000	MG/KG MN
SJ64277	MANGANESE	6010	93/10/13	93/10/25	211.0000	MG/KG MN

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	103.20 *	(70.20 - 99.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	5.10	(9.80)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	MANGANESE	6010	93/10/13	93/10/25	160.0000 MG/KG MN
SJ64279	MANGANESE	6010	93/10/13	93/10/25	188.0000 MG/KG MN
SJ64280	MANGANESE	6010	93/10/13	93/10/25	189.0000 MG/KG MN
SJ64281	MANGANESE	6010	93/10/13	93/10/25	169.0000 MG/KG MN
SJ64282	MANGANESE	6010	93/10/13	93/10/25	201.0000 MG/KG MN

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	-0.002	
AVERAGE PERCENT RECOVERY (QA LIMITS)	117.00	(52.37 - 142.83)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.20	(33.02)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT
SJ63873	MERCURY	7470	93/10/04	93/11/03	<	0.2000 MG/KG HG
SJ63874	MERCURY	7470	93/10/04	93/11/03	<	0.2000 MG/KG HG
SJ63875	MERCURY	7470	93/10/04	93/11/03	<	0.2000 MG/KG HG
SJ63876	MERCURY	7470	93/10/04	93/11/03	<	0.2000 MG/KG HG
SJ63877	MERCURY	7470	93/10/04	93/11/03	<	0.2000 MG/KG HG
SJ63878	MERCURY	7470	93/10/04	93/11/03	<	0.2000 MG/KG HG
SJ63879	MERCURY	7470	93/10/05	93/11/03	<	0.2000 MG/KG HG
SJ63880	MERCURY	7470	93/10/05	93/11/03	<	0.2000 MG/KG HG
SJ63881	MERCURY	7470	93/10/05	93/11/03	<	0.2000 MG/KG HG
SJ63882	MERCURY	7470	93/10/05	93/11/03	<	0.2000 MG/KG HG
SJ63883	MERCURY	7470	93/10/05	93/11/03	<	0.8000 MG/KG HG
SJ63884	MERCURY	7470	93/10/05	93/11/03	<	0.2000 MG/KG HG

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	-0.002	
AVERAGE PERCENT RECOVERY (QA LIMITS)	114.00	(52.37 - 142.83)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	5.00	(33.02)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT
SJ64270	MERCURY		93/10/12	/ /	<	0.2000 MG/KG HG
SJ64271	MERCURY	7470	93/10/12	93/11/03	<	0.2000 MG/KG HG
SJ64272	MERCURY	7470	93/10/12	93/11/03	<	0.2000 MG/KG HG
SJ64273	MERCURY	7470	93/10/12	93/11/03	<	0.2000 MG/KG HG
SJ64274	MERCURY	7470	93/10/12	93/11/03	<	0.2000 MG/KG HG
SJ64275	MERCURY	7470	93/10/12	93/11/03	<	0.2000 MG/KG HG
SJ64276	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG HG
SJ64277	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG HG

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	-0.002	
AVERAGE PERCENT RECOVERY (QA LIMITS)	114.00	(52.37 - 142.83)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	5.00	(33.02)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64278	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG	HG
SJ64279	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG	HG
SJ64280	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG	HG
SJ64281	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG	HG
SJ64282	MERCURY	7470	93/10/13	93/11/03	<	0.2000 MG/KG	HG

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 82.50 (68.00 - 116.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.70 (11.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	NICKEL	6010	93/10/04	93/10/21	21.0000 MG/KG NI
SJ63874	NICKEL	6010	93/10/04	93/10/21	48.8000 MG/KG NI
SJ63875	NICKEL	6010	93/10/04	93/10/21	18.4000 MG/KG NI
SJ63876	NICKEL	6010	93/10/04	93/10/21	60.3000 MG/KG NI
SJ63877	NICKEL	6010	93/10/04	93/10/21	10.3000 MG/KG NI
SJ63878	NICKEL	6010	93/10/04	93/10/21	57.3000 MG/KG NI
SJ63879	NICKEL	6010	93/10/05	93/10/21	43.7000 MG/KG NI
SJ63880	NICKEL	6010	93/10/05	93/10/21	29.8000 MG/KG NI
SJ63881	NICKEL	6010	93/10/05	93/10/21	68.7000 MG/KG NI
SJ63882	NICKEL	6010	93/10/05	93/10/21	32.0000 MG/KG NI
SJ63883	NICKEL	6010	93/10/05	93/10/21	78.5000 MG/KG NI
SJ63884	NICKEL	6010	93/10/05	93/10/21	79.5000 MG/KG NI

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 82.60 (68.00 - 116.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.10 (11.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	NICKEL	6010	93/10/12	93/10/25	18.2000 MG/KG NI
SJ64271	NICKEL	6010	93/10/12	93/10/25	59.6000 MG/KG NI
SJ64272	NICKEL	6010	93/10/12	93/10/25	43.0000 MG/KG NI
SJ64273	NICKEL	6010	93/10/12	93/10/25	38.3000 MG/KG NI
SJ64274	NICKEL	6010	93/10/12	93/10/25	71.6000 MG/KG NI
SJ64275	NICKEL	6010	93/10/12	93/10/25	32.3000 MG/KG NI
SJ64276	NICKEL	6010	93/10/13	93/10/25	23.9000 MG/KG NI
SJ64277	NICKEL	6010	93/10/13	93/10/25	41.9000 MG/KG NI

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	82.60	(68.00 - 116.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.10	(11.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	NICKEL	6010	93/10/13	93/10/25	27.6000 MG/KG	NI
SJ64279	NICKEL	6010	93/10/13	93/10/25	33.4000 MG/KG	NI
SJ64280	NICKEL	6010	93/10/13	93/10/25	23.4000 MG/KG	NI
SJ64281	NICKEL	6010	93/10/13	93/10/25	30.8000 MG/KG	NI
SJ64282	NICKEL	6010	93/10/13	93/10/25	22.0000 MG/KG	NI

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	86.40	(63.90 - 123.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	2.21	(11.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	POTASSIUM	2581	93/10/04	93/11/03	1510.0000 MG/KG K
SJ63874	POTASSIUM	2581	93/10/04	93/11/03	4290.0000 MG/KG K
SJ63875	POTASSIUM	2581	93/10/04	93/11/03	3400.0000 MG/KG K
SJ63876	POTASSIUM	2581	93/10/04	93/11/03	4410.0000 MG/KG K
SJ63877	POTASSIUM	2581	93/10/04	93/11/03	1940.0000 MG/KG K
SJ63878	POTASSIUM	2581	93/10/04	93/11/03	3410.0000 MG/KG K
SJ63879	POTASSIUM	2581	93/10/05	93/11/03	3520.0000 MG/KG K
SJ63880	POTASSIUM	2581	93/10/05	93/11/03	1710.0000 MG/KG K
SJ63881	POTASSIUM	2581	93/10/05	93/11/03	4740.0000 MG/KG K
SJ63882	POTASSIUM	2581	93/10/05	93/11/03	4630.0000 MG/KG K
SJ63883	POTASSIUM	2581	93/10/05	93/11/03	2410.0000 MG/KG K
SJ63884	POTASSIUM	2581	93/10/05	93/11/03	3190.0000 MG/KG K

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	97.60	(63.90 - 123.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.20	(11.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	POTASSIUM	2581	93/10/12	93/11/03	5030.0000 MG/KG K
SJ64271	POTASSIUM	2581	93/10/12	93/11/03	2630.0000 MG/KG K
SJ64272	POTASSIUM	2581	93/10/12	93/11/03	3700.0000 MG/KG K
SJ64273	POTASSIUM	2581	93/10/12	93/11/03	3580.0000 MG/KG K
SJ64274	POTASSIUM	2581	93/10/12	93/11/03	3640.0000 MG/KG K
SJ64275	POTASSIUM	2581	93/10/12	93/11/03	3520.0000 MG/KG K
SJ64276	POTASSIUM	2581	93/10/13	93/11/03	1720.0000 MG/KG K
SJ64277	POTASSIUM	2581	93/10/13	93/11/03	2740.0000 MG/KG K

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	97.60	(63.90 - 123.50)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.20	(11.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	POTASSIUM	2581	93/10/13	93/11/03	2470.0000 MG/KG	K
SJ64279	POTASSIUM	2581	93/10/13	93/11/03	2790.0000 MG/KG	K
SJ64280	POTASSIUM	2581	93/10/13	93/11/03	2110.0000 MG/KG	K
SJ64281	POTASSIUM	2581	93/10/13	93/11/03	2420.0000 MG/KG	K
SJ64282	POTASSIUM	2581	93/10/13	93/11/03	2040.0000 MG/KG	K

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	0.520	
AVERAGE PERCENT RECOVERY (QA LIMITS)	100.05	(68.91 - 125.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	1.37	(31.42)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	SELENIUM	7741	93/10/04	93/11/19	0.2000 MG/KG SE
SJ63874	SELENIUM	7741	93/10/04	93/11/19	4.6000 MG/KG SE
SJ63875	SELENIUM	7741	93/10/04	93/11/19	0.7000 MG/KG SE
SJ63876	SELENIUM	7741	93/10/04	93/11/19	1.5000 MG/KG SE
SJ63877	SELENIUM	7741	93/10/04	93/11/19	0.4000 MG/KG SE
SJ63878	SELENIUM	7741	93/10/04	93/11/19	0.9000 MG/KG SE
SJ63879	SELENIUM	7741	93/10/05	93/11/19	3.8000 MG/KG SE
SJ63880	SELENIUM	7741	93/10/05	93/11/19	0.3000 MG/KG SE
SJ63881	SELENIUM	7741	93/10/05	93/11/19	9.6000 MG/KG SE
SJ63882	SELENIUM	7741	93/10/05	93/11/19	2.6000 MG/KG SE
SJ63883	SELENIUM	7741	93/10/05	93/11/19	2.0000 MG/KG SE
SJ63884	SELENIUM	7741	93/10/05	93/11/19	0.7000 MG/KG SE

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	-0.160	
AVERAGE PERCENT RECOVERY (QA LIMITS)	99.48	(68.91 - 125.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.85	(31.42)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	SELENIUM	7741	93/10/12	93/11/19	0.3000 MG/KG SE
SJ64271	SELENIUM	7741	93/10/12	93/11/19	0.7000 MG/KG SE
SJ64272	SELENIUM	7741	93/10/12	93/11/19	3.2000 MG/KG SE
SJ64273	SELENIUM	7741	93/10/12	93/11/19	0.7000 MG/KG SE
SJ64274	SELENIUM	7741	93/10/12	93/11/19	0.7000 MG/KG SE
SJ64275	SELENIUM	7741	93/10/12	93/11/19	0.2000 MG/KG SE
SJ64276	SELENIUM	7741	93/10/13	93/11/19	0.5000 MG/KG SE
SJ64277	SELENIUM	7741	93/10/13	93/11/19	1.7000 MG/KG SE

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	-0.160	
AVERAGE PERCENT RECOVERY (QA LIMITS)	99.48	(68.91 - 125.00)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.85	(31.42)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	SELENIUM	7741	93/10/13	93/11/19	1.0000 MG/KG	SE
SJ64279	SELENIUM	7741	93/10/13	93/11/19	2.3000 MG/KG	SE
SJ64280	SELENIUM	7741	93/10/13	93/11/19	0.4000 MG/KG	SE
SJ64281	SELENIUM	7741	93/10/13	93/11/19	1.6000 MG/KG	SE
SJ64282	SELENIUM	7741	93/10/13	93/11/19	0.2000 MG/KG	SE

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 65.30 (62.50 - 131.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 30.70 * (10.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ63873	SILVER	7760	93/10/04	93/10/21	<	5.0000 MG/KG	AG
SJ63874	SILVER	7760	93/10/04	93/10/21	<	5.0000 MG/KG	AG
SJ63875	SILVER	7760	93/10/04	93/10/21	<	5.0000 MG/KG	AG
SJ63876	SILVER	7760	93/10/04	93/10/21	<	5.0000 MG/KG	AG
SJ63877	SILVER	7760	93/10/04	93/10/21	<	5.0000 MG/KG	AG
SJ63878	SILVER	7760	93/10/04	93/10/21	<	5.0000 MG/KG	AG
SJ63879	SILVER	7760	93/10/05	93/10/21	<	5.0000 MG/KG	AG
SJ63880	SILVER	7760	93/10/05	93/10/21	<	5.0000 MG/KG	AG
SJ63881	SILVER	7760	93/10/05	93/10/21	<	5.0000 MG/KG	AG
SJ63882	SILVER	7760	93/10/05	93/10/21	<	5.0000 MG/KG	AG
SJ63883	SILVER	7760	93/10/05	93/10/21	<	5.0000 MG/KG	AG
SJ63884	SILVER	7760	93/10/05	93/10/21	<	5.0000 MG/KG	AG

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 73.80 (62.50 - 131.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 45.10 * (10.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64270	SILVER	7760	93/10/12	93/10/25	<	5.0000 MG/KG	AG
SJ64271	SILVER	7760	93/10/12	93/10/25	<	5.0000 MG/KG	AG
SJ64272	SILVER	7760	93/10/12	93/10/25	<	5.0000 MG/KG	AG
SJ64273	SILVER	7760	93/10/12	93/10/25	<	5.0000 MG/KG	AG
SJ64274	SILVER	7760	93/10/12	93/10/25	<	5.0000 MG/KG	AG
SJ64275	SILVER	7760	93/10/12	93/10/25	<	5.0000 MG/KG	AG
SJ64276	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG	AG
SJ64277	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG	AG

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	73.80	(62.50 - 131.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	45.10 *	(10.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT
SJ64278	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG AG
SJ64279	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG AG
SJ64280	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG AG
SJ64281	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG AG
SJ64282	SILVER	7760	93/10/13	93/10/25	<	5.0000 MG/KG AG

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 100.00 (95.60 - 103.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.90 (8.50)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	SODIUM	6010	93/10/04	93/10/22	216.0000 MG/KG NA
SJ63874	SODIUM	6010	93/10/04	93/10/22	327.0000 MG/KG NA
SJ63875	SODIUM	6010	93/10/04	93/10/22	650.0000 MG/KG NA
SJ63876	SODIUM	6010	93/10/04	93/10/22	1600.0000 MG/KG NA
SJ63877	SODIUM	6010	93/10/04	93/10/22	433.0000 MG/KG NA
SJ63878	SODIUM	6010	93/10/04	93/10/22	596.0000 MG/KG NA
SJ63879	SODIUM	6010	93/10/05	93/10/22	565.0000 MG/KG NA
SJ63880	SODIUM	6010	93/10/05	93/10/22	515.0000 MG/KG NA
SJ63881	SODIUM	6010	93/10/05	93/10/22	581.0000 MG/KG NA
SJ63882	SODIUM	6010	93/10/05	93/10/22	728.0000 MG/KG NA
SJ63883	SODIUM	6010	93/10/05	93/10/22	861.0000 MG/KG NA
SJ63884	SODIUM	6010	93/10/05	93/10/22	1240.0000 MG/KG NA

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 97.70 (95.60 - 103.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.40 (8.50)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	SODIUM	6010	93/10/12	93/10/27	556.0000 MG/KG NA
SJ64271	SODIUM	6010	93/10/12	93/10/27	791.0000 MG/KG NA
SJ64272	SODIUM	6010	93/10/12	93/10/27	767.0000 MG/KG NA
SJ64273	SODIUM	6010	93/10/12	93/10/27	533.0000 MG/KG NA
SJ64274	SODIUM	6010	93/10/12	93/10/27	516.0000 MG/KG NA
SJ64275	SODIUM	6010	93/10/12	93/10/27	457.0000 MG/KG NA
SJ64276	SODIUM	6010	93/10/13	93/10/27	220.0000 MG/KG NA
SJ64277	SODIUM	6010	93/10/13	93/10/27	403.0000 MG/KG NA

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	97.70	(95.60 - 103.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.40	(8.50)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT	
SJ64278	SODIUM	6010	93/10/13	93/10/27	351.0000 MG/KG	NA
SJ64279	SODIUM	6010	93/10/13	93/10/27	307.0000 MG/KG	NA
SJ64280	SODIUM	6010	93/10/13	93/10/27	295.0000 MG/KG	NA
SJ64281	SODIUM	6010	93/10/13	93/10/27	349.0000 MG/KG	NA
SJ64282	SODIUM	6010	93/10/13	93/10/27	320.0000 MG/KG	NA

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 92.40 (63.50 - 128.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 5.30 (15.70)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	ZINC	6010	93/10/04	93/10/21	47.1000 MG/KG ZN
SJ63874	ZINC	6010	93/10/04	93/10/21	113.0000 MG/KG ZN
SJ63875	ZINC	6010	93/10/04	93/10/21	68.3000 MG/KG ZN
SJ63876	ZINC	6010	93/10/04	93/10/21	99.6000 MG/KG ZN
SJ63877	ZINC	6010	93/10/04	93/10/21	38.7000 MG/KG ZN
SJ63878	ZINC	6010	93/10/04	93/10/21	81.8000 MG/KG ZN
SJ63879	ZINC	6010	93/10/05	93/10/21	86.3000 MG/KG ZN
SJ63880	ZINC	6010*	93/10/05	93/10/21	67.8000 MG/KG ZN
SJ63881	ZINC	6010	93/10/05	93/10/21	148.0000 MG/KG ZN
SJ63882	ZINC	6010	93/10/05	93/10/21	95.4000 MG/KG ZN
SJ63883	ZINC	6010	93/10/05	93/10/21	278.0000 MG/KG ZN
SJ63884	ZINC	6010	93/10/05	93/10/21	117.0000 MG/KG ZN

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 91.10 (63.50 - 128.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.90 (15.70)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	ZINC	6010	93/10/12	93/10/25	85.2000 MG/KG ZN
SJ64271	ZINC	6010	93/10/12	93/10/25	78.9000 MG/KG ZN
SJ64272	ZINC	6010	93/10/12	93/10/25	118.0000 MG/KG ZN
SJ64273	ZINC	6010	93/10/12	93/10/25	77.3000 MG/KG ZN
SJ64274	ZINC	6010	93/10/12	93/10/25	114.0000 MG/KG ZN
SJ64275	ZINC	6010	93/10/12	93/10/25	103.0000 MG/KG ZN
SJ64276	ZINC	6010	93/10/13	93/10/25	43.1000 MG/KG ZN
SJ64277	ZINC	6010	93/10/13	93/10/25	81.7000 MG/KG ZN

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	91.10	(63.50 - 128.10)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.90	(15.70)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	ZINC	6010	93/10/13	93/10/25	51.4000 MG/KG ZN
SJ64279	ZINC	6010	93/10/13	93/10/25	66.3000 MG/KG ZN
SJ64280	ZINC	6010	93/10/13	93/10/25	42.0000 MG/KG ZN
SJ64281	ZINC	6010	93/10/13	93/10/25	58.0000 MG/KG ZN
SJ64282	ZINC	6010	93/10/13	93/10/25	35.5000 MG/KG ZN

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK -0.610
AVERAGE PERCENT RECOVERY (QA LIMITS) 87.16 (55.44 - 113.78)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 10.68 (22.62)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	ANTIMONY	7062	93/10/04	93/11/18	1.1000 MG/KG SB
SJ63874	ANTIMONY	7062	93/10/04	93/11/18	1.6000 MG/KG SB
SJ63875	ANTIMONY	7062	93/10/04	93/11/18	0.6000 MG/KG SB
SJ63876	ANTIMONY	7062	93/10/04	93/11/18	1.5000 MG/KG SB
SJ63877	ANTIMONY	7062	93/10/04	93/11/18	0.5000 MG/KG SB
SJ63878	ANTIMONY	7062	93/10/04	93/11/18	1.0000 MG/KG SB
SJ63879	ANTIMONY	7062	93/10/05	93/11/18	1.1000 MG/KG SB
SJ63880	ANTIMONY	7062	93/10/05	93/11/18	0.9000 MG/KG SB
SJ63881	ANTIMONY	7062	93/10/05	93/11/18	1.6000 MG/KG SB
SJ63882	ANTIMONY	7062	93/10/05	93/11/18	0.9000 MG/KG SB
SJ63883	ANTIMONY	7062	93/10/05	93/11/18	3.2000 MG/KG SB
SJ63884	ANTIMONY	7062	93/10/05	93/11/18	1.9000 MG/KG SB

BATCH: 2

LAB QA RESULTS:

METHOD BLANK -0.590
AVERAGE PERCENT RECOVERY (QA LIMITS) 74.66 (55.44 - 113.78)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 9.23 (22.62)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	ANTIMONY	7062	93/10/12	93/11/18	0.5000 MG/KG SB
SJ64271	ANTIMONY	7062	93/10/12	93/11/18	1.3000 MG/KG SB
SJ64272	ANTIMONY	7062	93/10/12	93/11/18	1.2000 MG/KG SB
SJ64273	ANTIMONY	7062	93/10/12	93/11/18	0.9000 MG/KG SB
SJ64274	ANTIMONY	7062	93/10/12	93/11/18	2.0000 MG/KG SB
SJ64275	ANTIMONY	7062	93/10/12	93/11/18	0.9000 MG/KG SB
SJ64276	ANTIMONY	7062	93/10/13	93/11/18	0.5000 MG/KG SB
SJ64277	ANTIMONY	7062	93/10/13	93/11/18	0.9000 MG/KG SB

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK -0.590
 AVERAGE PERCENT RECOVERY (QA LIMITS) 74.66 (55.44 - 113.78)
 RELATIVE PERCENT DIFFERENCE (QA LIMIT) 9.23 (22.62)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	ANTIMONY	7062	93/10/13	93/11/18	0.9000 MG/KG SB
SJ64279	ANTIMONY	7062	93/10/13	93/11/18	0.9000 MG/KG SB
SJ64280	ANTIMONY	7062	93/10/13	93/11/18	0.5000 MG/KG SB
SJ64281	ANTIMONY	7062	93/10/13	93/11/18	0.5000 MG/KG SB
SJ64282	ANTIMONY	7062	93/10/13	93/11/18	0.7000 MG/KG SB

* - Exceedance of QA limits
 NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 93.30 (70.00 - 145.20)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.40 (7.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ63873	BERYLLIUM	7091	93/10/04	93/10/21	<	1.0000 MG/KG	BE
SJ63874	BERYLLIUM	7091	93/10/04	93/10/21	<	1.0000 MG/KG	BE
SJ63875	BERYLLIUM	7091	93/10/04	93/10/21	<	1.0000 MG/KG	BE
SJ63876	BERYLLIUM	7091	93/10/04	93/10/21	<	1.0000 MG/KG	BE
SJ63877	BERYLLIUM	7091	93/10/04	93/10/21	<	1.0000 MG/KG	BE
SJ63878	BERYLLIUM	7091	93/10/04	93/10/21	<	1.0000 MG/KG	BE
SJ63879	BERYLLIUM	7091	93/10/05	93/10/21	<	1.0000 MG/KG	BE
SJ63880	BERYLLIUM	7091	93/10/05	93/10/21	<	1.0000 MG/KG	BE
SJ63881	BERYLLIUM	7091	93/10/05	93/10/21	<	1.0000 MG/KG	BE
SJ63882	BERYLLIUM	7091	93/10/05	93/10/21	<	1.0000 MG/KG	BE
SJ63883	BERYLLIUM	7091	93/10/05	93/10/21	<	1.0000 MG/KG	BE
SJ63884	BERYLLIUM	7091	93/10/05	93/10/21	<	1.0000 MG/KG	BE

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 90.50 (70.00 - 145.20)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.90 (7.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64270	BERYLLIUM	7091	93/10/12	93/10/25	<	1.0000 MG/KG	BE
SJ64271	BERYLLIUM	7091	93/10/12	93/10/25	<	1.0000 MG/KG	BE
SJ64272	BERYLLIUM	7091	93/10/12	93/10/25	<	1.0000 MG/KG	BE
SJ64273	BERYLLIUM	7091	93/10/12	93/10/25	<	1.0000 MG/KG	BE
SJ64274	BERYLLIUM	7091	93/10/12	93/10/25	<	1.0000 MG/KG	BE
SJ64275	BERYLLIUM	7091	93/10/12	93/10/25	<	1.0000 MG/KG	BE
SJ64276	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE
SJ64277	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	90.50	(70.00 - 145.20)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	0.90	(7.30)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64278	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE
SJ64279	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE
SJ64280	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE
SJ64281	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE
SJ64282	BERYLLIUM	7091	93/10/13	93/10/25	<	1.0000 MG/KG	BE

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	93.90	(62.80 - 115.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	2.70	(23.60)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ63873	MOLYBDENUM	6010	93/10/04	93/10/21	<	2.0000 MG/KG	MO
SJ63874	MOLYBDENUM	6010	93/10/04	93/10/21		6.6000 MG/KG	MO
SJ63875	MOLYBDENUM	6010	93/10/04	93/10/21		3.4000 MG/KG	MO
SJ63876	MOLYBDENUM	6010	93/10/04	93/10/21		7.8000 MG/KG	MO
SJ63877	MOLYBDENUM	6010	93/10/04	93/10/21	<	2.0000 MG/KG	MO
SJ63878	MOLYBDENUM	6010	93/10/04	93/10/21		5.8000 MG/KG	MO
SJ63879	MOLYBDENUM	6010	93/10/05	93/10/21		9.4000 MG/KG	MO
SJ63880	MOLYBDENUM	6010	93/10/05	93/10/21	<	2.0000 MG/KG	MO
SJ63881	MOLYBDENUM	6010	93/10/05	93/10/21		20.0000 MG/KG	MO
SJ63882	MOLYBDENUM	6010	93/10/05	93/10/21		7.7000 MG/KG	MO
SJ63883	MOLYBDENUM	6010	93/10/05	93/10/21		6.0000 MG/KG	MO
SJ63884	MOLYBDENUM	6010	93/10/05	93/10/21		3.7000 MG/KG	MO

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	97.00	(62.80 - 115.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	5.00	(23.60)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64270	MOLYBDENUM	6010	93/10/12	93/10/25	<	2.0000 MG/KG	MO
SJ64271	MOLYBDENUM	6010	93/10/12	93/10/25		3.2000 MG/KG	MO
SJ64272	MOLYBDENUM	6010	93/10/12	93/10/25		4.9000 MG/KG	MO
SJ64273	MOLYBDENUM	6010	93/10/12	93/10/25	<	2.0000 MG/KG	MO
SJ64274	MOLYBDENUM	6010	93/10/12	93/10/25		6.3000 MG/KG	MO
SJ64275	MOLYBDENUM	6010	93/10/12	93/10/25	<	2.0000 MG/KG	MO
SJ64276	MOLYBDENUM	6010	93/10/13	93/10/25	<	2.0000 MG/KG	MO
SJ64277	MOLYBDENUM	6010	93/10/13	93/10/25		3.0000 MG/KG	MO

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	97.00	(62.80 - 115.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	5.00	(23.60)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ64278	MOLYBDENUM	6010	93/10/13	93/10/25		2.9000 MG/KG	MO
SJ64279	MOLYBDENUM	6010	93/10/13	93/10/25		2.8000 MG/KG	MO
SJ64280	MOLYBDENUM	6010	93/10/13	93/10/25	<	2.0000 MG/KG	MO
SJ64281	MOLYBDENUM	6010	93/10/13	93/10/25		3.0000 MG/KG	MO
SJ64282	MOLYBDENUM	6010	93/10/13	93/10/25	<	2.0000 MG/KG	MO

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) NA
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 0.00 (6.80)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE		TEST RESULT	
SJ63873	THALLIUM	7841	93/10/04	93/11/03	<	2.0000 MG/KG	TL
SJ63874	THALLIUM	7841	93/10/04	93/11/03	<	2.0000 MG/KG	TL
SJ63875	THALLIUM	7841	93/10/04	93/11/03	<	2.0000 MG/KG	TL
SJ63876	THALLIUM	7841	93/10/04	93/11/03	<	2.0000 MG/KG	TL
SJ63877	THALLIUM	7841	93/10/04	93/11/03	<	2.0000 MG/KG	TL
SJ63878	THALLIUM	7841	93/10/04	93/11/03	<	2.0000 MG/KG	TL
SJ63879	THALLIUM	7841	93/10/05	93/11/03	<	2.0000 MG/KG	TL
SJ63880	THALLIUM	7841	93/10/05	93/11/03	<	2.0000 MG/KG	TL
SJ63881	THALLIUM	7841	93/10/05	93/11/03	<	2.0000 MG/KG	TL
SJ63882	THALLIUM	7841	93/10/05	93/11/03	<	2.0000 MG/KG	TL
SJ63883	THALLIUM	7841	93/10/05	93/11/03	<	2.0000 MG/KG	TL
SJ63884	THALLIUM	7841	93/10/05	93/11/03	<	2.0000 MG/KG	TL

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 1

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 106.30 (65.70 - 127.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 1.20 (7.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ63873	VANADIUM	6010	93/10/04	93/10/21	66.6000 MG/KG V
SJ63874	VANADIUM	6010	93/10/04	93/10/21	107.0000 MG/KG V
SJ63875	VANADIUM	6010	93/10/04	93/10/21	65.3000 MG/KG V
SJ63876	VANADIUM	6010	93/10/04	93/10/21	166.0000 MG/KG V
SJ63877	VANADIUM	6010	93/10/04	93/10/21	31.8000 MG/KG V
SJ63878	VANADIUM	6010	93/10/04	93/10/21	116.0000 MG/KG V
SJ63879	VANADIUM	6010	93/10/05	93/10/21	103.0000 MG/KG V
SJ63880	VANADIUM	6010	93/10/05	93/10/21	72.1000 MG/KG V
SJ63881	VANADIUM	6010	93/10/05	93/10/21	142.0000 MG/KG V
SJ63882	VANADIUM	6010	93/10/05	93/10/21	69.8000 MG/KG V
SJ63883	VANADIUM	6010	93/10/05	93/10/21	188.0000 MG/KG V
SJ63884	VANADIUM	6010	93/10/05	93/10/21	185.0000 MG/KG V

BATCH: 2

LAB QA RESULTS:

METHOD BLANK NA
AVERAGE PERCENT RECOVERY (QA LIMITS) 114.40 (65.70 - 127.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT) 8.00 * (7.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64270	VANADIUM	6010	93/10/12	93/10/25	59.8000 MG/KG V
SJ64271	VANADIUM	6010	93/10/12	93/10/25	149.0000 MG/KG V
SJ64272	VANADIUM	6010	93/10/12	93/10/25	93.2000 MG/KG V
SJ64273	VANADIUM	6010	93/10/12	93/10/25	98.7000 MG/KG V
SJ64274	VANADIUM	6010	93/10/12	93/10/25	245.0000 MG/KG V
SJ64275	VANADIUM	6010	93/10/12	93/10/25	67.6000 MG/KG V
SJ64276	VANADIUM	6010	93/10/13	93/10/25	39.5000 MG/KG V
SJ64277	VANADIUM	6010	93/10/13	93/10/25	79.3000 MG/KG V

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC DATA FOR ADDITIONAL SOIL COVER SAMPLES
GENERAL PARAMETERS AND METALS

PALOS VERDES LANDFILL - DPRIR ADDENDUM

BATCH: 2

LAB QA RESULTS:

METHOD BLANK	NA	
AVERAGE PERCENT RECOVERY (QA LIMITS)	114.40	(65.70 - 127.70)
RELATIVE PERCENT DIFFERENCE (QA LIMIT)	8.00 *	(7.90)

SAMPLE ANALYSIS RESULTS:

SAMPLE NUMBER	TEST NAME	EPA METHOD	SAMPLE DATE	ANALYSIS DATE	TEST RESULT
SJ64278	VANADIUM	6010	93/10/13	93/10/25	57.0000 MG/KG V
SJ64279	VANADIUM	6010	93/10/13	93/10/25	64.2000 MG/KG V
SJ64280	VANADIUM	6010	93/10/13	93/10/25	42.5000 MG/KG V
SJ64281	VANADIUM	6010	93/10/13	93/10/25	55.7000 MG/KG V
SJ64282	VANADIUM	6010	93/10/13	93/10/25	41.5000 MG/KG V

* - Exceedance of QA limits
NA - Not Applicable or Not Available

QA/QC RESULTS FOR BNA COMPOUND ANALYSIS

LIST OF SAMPLES IN BATCH

SAMPLE NUMBER	SAMPLE DATE	EXTRACTION DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ63873	10/04/93	10/08/93	10/28/93
SJ63874	10/04/93	10/08/93	10/28/93
SJ63875	10/04/93	10/08/93	10/28/93
SJ63876	10/04/93	10/08/93	10/28/93
SJ63877	10/04/93	10/08/93	10/28/93
SJ63878	10/04/93	10/08/93	10/28/93
SJ63879	10/05/93	10/08/93	10/28/93
SJ63880	10/05/93	10/08/93	10/28/93
SJ63881	10/05/93	10/08/93	10/28/93
SJ63882	10/05/93	10/08/93	10/28/93
SJ63883	10/05/93	10/08/93	10/28/93
SJ63884	10/05/93	10/08/93	10/28/93

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SURROGATE SPIKES OF SAMPLES ANALYZED BY HP GC/MS

DATA FILE: >Z9870 QUANT DATE: 9310291412 INJ TIME: 9310291336
 SAMPLE NAME: SJ 63884 LPVLFSC46N
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 1
 LAST EDIT FILE TIME: 7:01 AM WED., 1 DEC., 1993

JOB NO.	SPK1 UG/L	SPK2 UG/L	NSPK UG/L	NET UG/L	SPIKE	
					AMT UG/L	REC (%)
S01	38	74	84	65	100	65
S02	48	82	90	73	100	73
S03	20	41	45	35	50	70
S04	17	32	41	30	50	60
S05	30	45	53	42	50	85
S06	82	92	107	94	100	94
S07	39	43	55	46	50	91

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The spike amounts are calculated based on the initial volume of 1000 ml.

TEST CODE	SPK1 UG/L	SPK2 UG/L	NSPK UG/L	NET UG/L	SPK AMT UG/L	REC (%)	RANGE LIMITS (%)	MK	RPD	RPD LIMIT (%)	MK
800	24	36	ND	30	50	60	63-109	**	40	0-22	**
821	18	34	ND	26	50	52	48-115	OK	64	0-24	**
826	26	31	ND	29	50	57	57-124	OK	19	0-22	OK
841	ND	33	ND	16	50	33	56-117	**	200	0-29	**
843	33	34	ND	33	50	66	41-129	OK	4	0-18	OK
845	20	35	ND	27	50	55	57-104	**	54	0-23	**
846	19	37	ND	28	50	56	53-119	OK	63	0-26	**
852	21	ND	ND	11	50	21	49-128	**	200	0-21	**
853	26	40	ND	33	50	65	63-112	OK	43	0-27	**
854	30	30	ND	30	50	60	47-136	OK	2	0-30	OK
855	20	33	ND	27	50	53	45-113	OK	50	0-34	**

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The spike amounts are calculated based on the initial volume of 1000 ml.

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9870 QUANT DATE: 9310291412 INJ TIME: 9310291336
 SAMPLE NAME: SJ 63884 LPVLFSC46N
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 1
 LASTEDIT FILE TIME: 2:15 PM FRI., 29 OCT., 1993

ANALYZED BY: _____ VERIFIED BY: _____

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchlor1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6
837 Isophorone	ND	3	< 3

838	Naphthalene	ND	2	<	2
839	Nitrobenzene	ND	2	<	2
840	N-Nitrosodimethylamine	ND	30	<	30
841	N-Nitroso-di-n-propylamine	ND	2	<	2
842	Phenanthrene	ND	1	<	1
843	Pyrene	ND	2	<	2
844	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
845	2-Chlorophenol	ND	8	<	8
846	1,2,4-Trichlorobenzene	ND	3	<	3
847	2,4-Dichlorophenol	ND	3	<	3
848	2,4-Dimethylphenol	ND	3	<	3
849	2,4-Dinitrophenol	ND	39	<	39
850	2-Methyl-4,6-dinitrophenol	ND	17	<	17
851	2-Nitrophenol	ND	5	<	5
852	4-Nitrophenol	ND	6	<	6
853	4-Chloro-3-methylphenol	ND	2	<	2
854	Pentachlorophenol	ND	16	<	16
855	Phenol	ND	3	<	3
856	2,4,6-Trichlorophenol	ND	2	<	2
857	N-Nitrosodiphenylamine	ND	2	<	2

=====NOTE=====

DATA FILE: >Z9870 SAMPLE NAME: SJ 63884 LPVLFSC46N
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-29-93
* FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 10B08S BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECV (%)	RECV RANGE (%)	MRK	
S01	2-Fluorophenol	84.10	100.00	84	27-119	OK
S02	Phenol-d5	90.29	100.00	90	23-111	OK
S03	Nitrobenzene-d5	44.61	50.00	89	62-122	OK
S04	Decafluorobiphen	40.69	50.00	81	-----	OK
S05	2-Fluorobiphenyl	52.62	50.00	105	56-124	OK
S06	2,4,6-Tribromoph	106.63	100.00	107	40-150	OK
S07	p-Terphenyl-d14	54.50	50.00	109	37-133	OK

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Initial Volume is 1000 ML

DATA FILE:	^Z9870	^Z9869	-----STANDARD-----			MRK
INTERNAL	SAMPLE AREA	1/2 X AREA	AREA	2X AREA	MRK	

STANDARD					
S20 1,4-Dichlorobenzen	9661	6820	13640	27280	OK
S21 Naphthalene-d8	40768	31508	63015	126030	OK
S22 Acenaphthene-d10	29663	21440	42880	85760	OK
S23 Phenanthrene-d10	68714	49140	98279	196558	OK
S24 Chrysene-d12	78754	54860	109720	219440	OK
S25 Perylene-d12	88224	64508	129015	258030	OK

INTERNAL STANDARD	SAMPLE	STANDARD			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.63	7.13	7.63	8.13	OK
S21 Naphthalene-d8	10.79	10.30	10.80	11.30	OK
S22 Acenaphthene-d10	15.14	14.66	15.16	15.66	OK
S23 Phenanthrene-d10	18.79	18.30	18.80	19.30	OK
S24 Chrysene-d12	25.35	24.89	25.39	25.89	OK
S25 Perylene-d12	28.92	28.46	28.96	29.46	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

~~Laboratory Control Standard~~

REPORT OF RECOVERIES OF THE SPIKED SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9874 QUANT DATE: 9312010718 INJ TIME: 9310291645
 SAMPLE NAME: SJ 10Q08L QQCHECK
 MISC: 1000 931008 IS#12 SUR#25 BTL# 5
 LAST EDIT FILE TIME: 7:23 AM WED., 1 DEC., 1993

ANALYZED BY: _____ VERIFIED BY: _____

SURROGATE	SPK (UG/L)	NONSPK (UG/L)	NET (UG/L)	SPKAMT (UG/L)	REC (%)	RANGE	RMK
800 Acenaphthene	38.6	.0	38.6	50	77	47-145	OK
801 Acenaphthylene	37.0	.0	37.0	50	74	33-145	OK
802 Anthracene	43.4	.0	43.4	50	87	27-133	OK
803 Benzidine	.0	.0	.0	50	0	-	OK
804 Benzo(A)anthrace	48.8	.0	48.8	50	98	33-143	OK
805 Benzo(A)pyrene	42.8	.0	42.8	50	86	17-163	OK
806 Benzo(B)fluorant	43.1	.0	43.1	50	86	24-159	OK
807 Benzo(G,H,I)perylene	43.5	.0	43.5	50	87	D-219	OK
808 Benzo(K)fluorant	42.3	.0	42.3	50	85	11-162	OK
809 Bis(2-chloroethoxy)	39.8	.0	39.8	50	80	33-184	OK
810 Bis(2-chloroethyl)	42.9	.0	42.9	50	86	12-158	OK
811 Bis(2-chloroisopropyl)	53.6	.0	53.6	50	107	36-166	OK
812 Bis(2-ethylhexyl)	54.1	.0	54.1	50	108	8-158	OK
813 4-Bromophenylphthalate	45.7	.0	45.7	50	91	53-127	OK
814 Butylbenzylphthalate	54.8	.0	54.8	50	110	D-152	OK
815 2-Chloronaphthalene	36.4	.0	36.4	50	73	60-118	OK
816 4-Chlorophenylphthalate	45.6	.0	45.6	50	91	25-158	OK
817 Chrysene	45.9	.0	45.9	50	92	17-168	OK
818 Dibenzo(A,H)anthracene	41.4	.0	41.4	50	83	D-227	OK
819 1,2-Dichlorobenzene	28.9	.0	28.9	50	58	32-129	OK
820 1,3-Dichlorobenzene	27.6	.0	27.6	50	55	D-172	OK
821 1,4-Dichlorobenzene	27.6	.0	27.6	50	55	20-124	OK
822 3,3-Dichlorobenzene	26.4	.0	26.4	50	53	D-262	OK
823 Diethylphthalate	54.6	.0	54.6	50	109	D-114	OK
824 Dimethylphthalate	45.2	.0	45.2	50	90	D-112	OK
825 Di-n-butylphthalate	55.6	.0	55.6	50	111	1-118	OK
826 2,4-Dinitrotoluene	44.7	.0	44.7	50	89	39-139	OK
827 2,6-Dinitrotoluene	37.7	.0	37.7	50	75	50-158	OK
828 Di-n-octylphthalate	53.3	.0	53.3	50	107	4-146	OK
829 1,2-Diphenylhydrazine	46.8	.0	46.8	50	94	-	OK
830 Fluoranthene	41.8	.0	41.8	50	84	26-137	OK
831 Fluorene	40.2	.0	40.2	50	80	59-121	OK
832 Hexachlorobenzene	40.8	.0	40.8	50	82	D-152	OK
833 Hexachlorobutadiene	24.7	.0	24.7	50	49	24-116	OK
834 Hexachloro-1,3-cyclohexadiene	.0	.0	.0	50	0	-	OK
835 Hexachloroethane	23.5	.0	23.5	50	47	40-113	OK
836 Indeno(1,2,3-CD)pyrene	46.9	.0	46.9	50	94	D-171	OK
837 Isophorone	27.3	.0	27.3	50	55	21-196	OK
838 Naphthalene	34.4	.0	34.4	50	69	21-133	OK
839 Nitrobenzene	39.2	.0	39.2	50	78	35-180	OK

840	N-Nitrosodimethy	25.0	.0	25.0	50	50	-	OK
841	N-Nitroso-di-n-p	38.5	.0	38.5	50	77	D-230	OK
842	Phenanthrene	44.4	.0	44.4	50	89	54-120	OK
843	Pyrene	44.9	.0	44.9	50	90	52-115	OK
844	1,2,3,4-TCDD (2,	.0	.0	.0	0	N/A	-	OK
845	2-Chlorophenol	31.3	.0	31.3	50	63	23-134	OK
846	1,2,4-Trichlorob	29.9	.0	29.9	50	60	44-142	OK
847	2,4-Dichlorophen	33.2	.0	33.2	50	66	39-135	OK
848	2,4-Dimethylphen	23.1	.0	23.1	50	46	32-119	OK
849	2,4-Dinitrophen	34.7	.0	34.7	50	69	D-191	OK
850	2-Methyl-4,6-din	35.9	.0	35.9	50	72	D-181	OK
851	2-Nitrophenol	34.2	.0	34.2	50	68	29-182	OK
852	4-Nitrophenol	34.9	.0	34.9	50	70	D-132	OK
853	4-Chloro-3-methy	37.9	.0	37.9	50	76	22-147	OK
854	Pentachloropheno	38.2	.0	38.2	50	76	14-176	OK
855	Phenol	30.0	.0	30.0	50	60	5-112	OK
856	2,4,6-Trichlorop	37.2	.0	37.2	50	74	37-144	OK
857	N-Nitrosodipheny	54.6	.0	54.6	50	109	-	OK

^
|
|

The spike amounts are calculated based on the initial volume of 1000 ml.

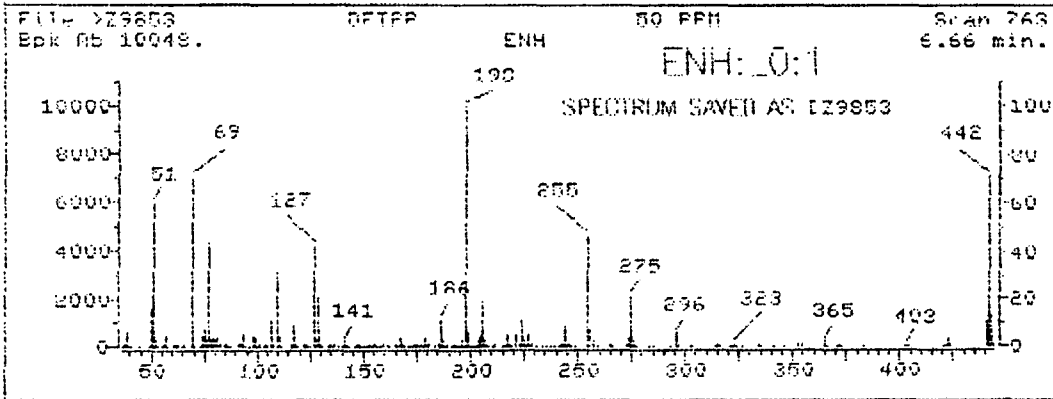
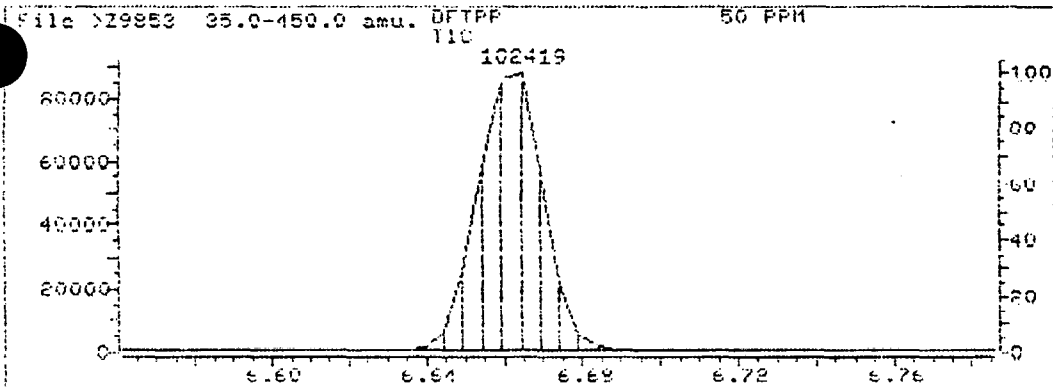
GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance		Status
		Base Peak	Appropriate Peak	
51	30-60% of mass 198	59.26	59.26	OK
68	Less than 2% of mass 69	0.80	0.80	OK
69	(reference only)	70.07	70.07	OK
70	Less than 2% of mass 69	.27	.39	OK
127	40-60% of mass 198	41.65	41.65	OK
197	Less than 1% of mass 198	.31	.31	OK
198	Base peak, 100% relative abundance	100.00	100.00	OK
199	5-9% of mass 198	6.25	6.25	OK
275	10-30% of mass 198	21.44	21.44	OK
365	Greater than 1% of mass 198	2.55	2.55	OK
441	0-100% of mass 443	10.10	78.80	OK
442	Greater than 40% of mass 198	70.33	70.33	OK
443	17-23% of mass 442	12.81	18.22	OK

Injection Date: 10/28/93
 Injection Time: 11:26
 Data File: >Z9853
 Scan: 763

10/28/93 P
 Oct. 28



>Z9853
763

DFTPP
NRM ENH

50 PPM

File: >Z9853 Scan #: 763 Retn. time: 6.66

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.00	.294	100.05	.438	157.50	.104	206.10	19.535	276.15	2.851
38.10	.980	101.05	1.791	158.10	.473	207.10	2.647	277.15	1.786
39.10	5.782	103.05	.622	159.10	.328	208.10	.876	278.05	.304
40.00	.378	104.05	1.378	160.00	.707	209.00	.085	283.05	.129
40.90	.254	105.05	1.055	161.10	.955	210.20	.398	283.75	.055
44.00	.483	107.05	12.295	161.90	.289	211.20	.831	285.15	.353
49.15	.269	108.05	1.826	162.20	.134	215.00	.144	293.05	.388
50.15	15.535	110.05	31.253	165.00	.771	216.00	.269	296.05	5.697
51.15	59.263	111.05	4.344	166.00	.622	217.00	5.603	297.05	.836
52.15	2.801	111.95	.503	167.10	3.687	218.00	.702	303.05	.622
53.05	.070	116.05	.821	168.10	1.732	219.00	.313	304.15	.164
55.15	.413	117.05	9.479	169.10	.333	221.10	5.264	314.15	.358
56.05	1.831	117.95	.702	171.00	.194	223.10	1.284	315.05	.692
57.05	4.573	118.95	.179	172.00	.418	224.10	11.265	316.15	.373
58.15	.289	122.05	.921	173.20	.398	225.00	2.836	321.10	.119
61.05	.726	123.05	1.309	174.00	.921	226.10	.348	322.20	.095
62.15	.761	124.05	.587	175.10	1.388	227.05	5.210	323.10	1.821
63.05	1.941	125.05	.527	176.10	.537	228.05	.622	324.10	.398
64.15	.284	126.95	41.648	177.10	.881	229.05	.970	327.10	.249
65.15	1.000	128.05	3.105	178.20	.164	231.15	.413	334.10	1.159
69.05	70.070	129.05	20.685	179.00	3.160	234.05	.254	335.10	.478
69.95	.274	130.05	1.508	180.10	2.204	235.05	.393	341.10	.244
73.15	.224	131.05	.597	181.00	.916	235.95	.239	346.10	.358
74.05	4.652	134.05	.602	184.00	.313	237.05	.333	352.20	.712
75.05	7.897	134.95	1.483	185.10	1.572	238.95	.149	353.10	.428
76.05	2.453	136.10	.602	186.10	11.907	241.05	.264	354.20	.722
77.05	42.698	137.10	.672	187.10	3.050	242.05	.662	365.10	2.548
78.15	2.647	138.10	.114	188.00	.363	243.05	.796	366.00	.358
79.05	3.906	140.10	.254	189.10	.861	244.15	8.713	371.00	.204
80.05	2.881	141.00	2.364	191.00	.398	245.15	1.284	372.10	1.179
81.05	3.657	142.10	.841	192.00	.995	246.15	2.095	373.10	.134
82.05	.935	143.00	.542	193.10	1.010	246.95	.363	383.10	.179
83.15	.682	146.10	.378	193.80	.244	249.05	.189	402.20	.408
85.05	.746	147.10	1.204	195.00	.100	255.15	49.723	403.10	.557
86.05	1.070	148.00	2.284	196.10	2.767	256.05	6.588	404.10	.184
87.05	.572	149.10	.463	196.80	.313	257.15	.508	421.15	.478
87.95	.109	150.00	.060	198.00	100.000	258.05	2.821	422.15	.413
91.05	.826	151.20	.338	199.00	6.255	259.05	.498	423.15	3.816
92.05	.712	151.70	.124	200.10	.413	265.05	1.149	424.15	.746
93.05	5.473	153.00	.781	201.40	.488	266.15	.149	441.25	10.096
94.05	.438	154.10	.532	202.30	.065	273.05	1.339	442.15	70.334
96.05	.249	155.10	1.329	203.10	.602	274.15	3.936	443.15	12.813
98.05	4.080	156.10	1.672	204.10	2.752	275.05	21.441	444.15	1.154
99.05	3.433	157.00	.378	205.10	5.155				

GC/MS PERFORMANCE STANDARD

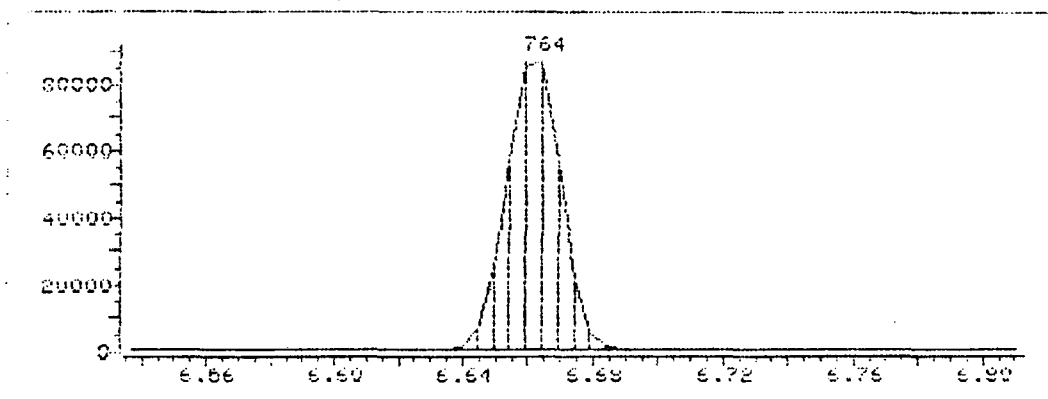
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	65.39	65.39	No Good
68	Less than 2% of mass 69	0.00	0.00	OK
69	(reference only)	75.98	75.98	OK
70	Less than 2% of mass 69	.29	.38	OK
127	40-60% of mass 198	44.21	44.21	OK
197	Less than 1% of mass 198	0.00	0.00	OK
198	Base peak, 100% relative abundance	100.00	100.00	OK
199	5-9% of mass 198	6.26	6.26	OK
275	10-30% of mass 198	21.20	21.20	OK
365	Greater than 1% of mass 198	2.39	2.39	OK
441	0-100% of mass 443	9.54	85.90	OK
442	Greater than 40% of mass 198	71.20	71.20	OK
443	17-23% of mass 442	11.11	15.60	No Good

Injection Date: 10/28/93
 Injection Time: 11:26
 Data File: >29853
 Scan: 764

Spectrum fails specified criteria.

 * A TUNER REPORT OF THE MAXIMUM UNENHANCED DFIPP SCAN IS LISTED *
 * ABOVE FOR COMPARISON BECAUSE THE MAXIMUM AND THE PASSING *
 * SCAN ARE NOT THE SAME. *



SAN JOSE WATER QUALITY LABORATORY

LIST OF TUNE FILE

TUNE FILE NAME INSTRUMENT MODEL NO. LAST UPDATE DATE
 TZ9853 5920 3/16/93 12:34

LENS	START	STOP	STEP
REPELLER	0	10.2	.2
ION FOCUS	0	204	4
ENT. LENS	0	295	5
X-RAY	0	204	4

PROFILE SCAN MASSES WINDOW STEP SIZE
 69 219 414 6 .1

SCANS SCALE FACTOR
 5 1

SPECTRUM SCAN RANGE SCAN THRESHOLD
 10 800 10

A/D SAMPLES INTEGRATION
 16 50

REPELLER (0 - 10.2 V)	9.5	ION FOCUS (0 - 204 V)	60
ENT. LENS (0 - 295 MU/AMU)	67	X - RAY (0 - 204 V)	22
EL. MULT (0 - 3000 V)	1747		
AMU GAIN (0 - 255)	162	AMU OFFSET (0 - 255)	69
AXIS GAIN (0 - +/- 999)	26	AXIS OFFSET (0 - +/- 999)	-25

This tune file has been APPENDED to the tune report file
 DZ9853 .

SAN JOSE CREEK WATER QUALITY LABORATORY

LIST OF METHOD FILE

Method file: MZ9853 GC type: 5890 Run type: SCAN, GC, EI
 Column: Cap Splitless: Yes

TEMPERATURE: Inj.P Intfc Source
 275.0 280.0 0.0

GC / DIP P A R A M E T E R T A B L E

	Rate	Temperature	Time
initial Values:		100.0	2.0
	30.0	210.0	10.0
Level A Values:	.0	.0	.0
Level B Values:	.0	.0	.0
Post Run Values:		.0	.0
Oven Equilibration Time:		.00	

Run time: 8.00
 Scan Start Time: 3.00
 Splitless Valve Time: .90

	ON	OFF	ON	OFF
Relay #1:	327.0	327.0	327.0	327.0
Relay #2:	327.0	327.0	327.0	327.0
Triac #0:	327.0	327.0	327.0	327.0
Triac #1:	327.0	327.0	327.0	327.0

ALS 7673 Operating Conditions

Number of samples washes:	2	Number of samples pumps:	5
Solvent A washes:	5	Solvent B washes:	3
Sample viscosity wait:	4	Injection mode is FAS:	

SCAN Parameters:

Mass Range: 35 to 450
 Multiplier voltage: 1295
 Number of A/D samples (2[^]N): 0
 GC peak threshold: 20000 counts
 Threshold: 10 counts

This method file has been APPENDED to the tune report file
 DZ9853 .

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF INTERNAL STANDARD AREAS AND RETENTION TIMES
OF SAMPLE ANALYZED BY HP 5890/5970B GC/MS

DATA FILE: >Z9854 QUANT DATE: 9310281228 INJ TIME: 9310281152

SAMPLE NAME: DCS-71

MISC: 1000 931022

IS#12 SUR#25

BTL#97

LAST EDIT FILE TIME: 12:35 PM THU., 28 OCT., 1993

ANALYZED BY: [Signature]

VERIFIED BY: [Signature]

INTERNAL STANDARD	^Z9854		^Z9838		MRK
	SAMPLE AREA	1/2 X AREA	STANDARD AREA	2X AREA	
S20 1,4-Dichlorobenzen	7497	3735	7469	14938	OK
S21 Naphthalene-d8	35155	17768	35536	71072	OK
S22 Acenaphthene-d10	25721	13013	26026	52052	OK
S23 Phenanthrene-d10	59516	30140	60279	120558	OK
S24 Chrysene-d12	75677	36068	72136	144272	OK
S25 Perylene-d12	92266	44501	89002	178004	OK

INTERNAL STANDARD	SAMPLE RT	STANDARD		MRK
	(MIN)	RT-0.5 (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.22	6.75	7.25	OK
S21 Naphthalene-d8	10.42	9.94	10.44	OK
S22 Acenaphthene-d10	14.76	14.27	14.77	OK
S23 Phenanthrene-d10	18.39	17.90	18.40	OK
S24 Chrysene-d12	24.91	24.43	24.93	OK
S25 Perylene-d12	28.31	27.83	28.33	OK

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF DCS RF CRITERIA CHECKS

OUTPUT FILE: ^29854 CALIBRATION FILE: CL182
 VERIFICATION TIME: 12:35 PM THU., 28 OCT., 1993

COMPOUND	CB_RF	DCS_RF	%DIFF	LCC	SPCC	MK
340 N-Nitrosodimethylamine	.98299	.89316	9.14			
355 Phenol	1.79390	1.85877	3.62	*		
310 Bis(2-chloroethyl)ether	1.57493	1.24935	20.67			
345 2-Chlorophenol	1.42150	1.39565	1.82			
320 1,3-Dichlorobenzene	1.47327	1.31423	10.79			
321 1,4-Dichlorobenzene	1.37979	1.40995	2.19	*		
319 1,2-Dichlorobenzene	1.49604	1.43268	4.24			
311 Bis(2chloroisopropyl)ether	.43202	.37498	13.20			
335 Hexachloroethane	.72778	.78880	8.38			
341 N-Nitroso-di-n-propylamine	1.58524	1.66776	5.21		**	
339 Nitrobenzene	.24197	.18048	25.41			
337 Isophorone	1.14253	1.00240	12.27			
351 2-Nitrophenol	.27983	.22167	20.78	*		
348 2,4-Dimethylphenol	.43929	.44639	1.62			
309 Bis(2-chloroethoxy)methane	.56153	.52039	7.33			
347 2,4-Dichlorophenol	.33439	.31268	9.00	*		
336 1,2,4-Trichlorobenzene	.39544	.33072	16.37			
338 Naphthalene	1.27939	1.05344	17.66			
333 Hexachlorobutadiene	.25383	.23705	6.61	*		
353 4-Chloro-3-methylphenol	.51311	.51673	.71	*		
334 Hexachloro-1,3cyclopentadiene	.33147	.39526	19.24		**	
356 2,4,6-Trichlorophenol	.39048	.44138	13.04	*		
315 2-Chloronaphthalene	1.12004	1.16649	4.15			
301 Acenaphthylene	1.99521	2.05099	2.80			
324 Dimethylphthalate	1.61774	1.47148	9.04			
327 2,6-Dinitrotoluene	.38482	.38219	.68			
300 Acenaphthene	1.27520	1.25936	1.24	*		
349 2,4-Dinitrophenol	.22784	.21197	6.97		**	
326 2,4-Dinitrotoluene	.59808	.59142	1.11			
352 4-Nitrophenol	.37865	.38583	1.90		**	
331 Fluorene	1.45298	1.51590	4.33			
316 4-Chlorophenylphenylether	.66236	.65481	1.14			
323 Diethylphthalate	1.85945	1.71838	7.59			
350 2-Methyl-4,6-dinitrophenol	.17129	.18047	5.36			
357 N-Nitrosodiphenylamine	.33281	.36969	11.08	*		
329 1,2-Diphenylhydrazine	.17019	.18046	6.03			
313 4-Bromophenylphenylether	.22623	.17348	23.32			
332 Hexachlorobenzene	.31638	.27781	12.19			
354 Pentachlorophenol	.18339	.19825	8.10	*		
342 Phenanthrene	1.12358	1.06892	4.87			
302 Anthracene	1.15932	1.11378	3.93			
325 Di-n-butylphthalate	1.93264	1.50992	1.91			
330 Fluoranthene	1.42034	1.48276	4.39	*		
33 Pyrene	1.31966	1.15778	12.27			

303 Benzidine	.47067	.46740	.70
344 1,2,3,4-TCDD (2,3,7,8)	.19665	.24462	24.39
314 Butylbenzylphthalate	.60845	.69343	13.97
304 Benzo(A)anthracene	1.128202	1.12520	12.23
317 Chrysene	.90447	1.22690	35.65
322 3,3-Dichlorobenzidine	.49494	.54861	10.84
312 Bis(2-ethylhexyl)phthalate	1.01785	.95722	5.96
328 Di-n-octylphthalate	1.63186	1.68546	3.28 *
306 Benzo(B)fluoranthene	1.42135	1.05708	25.63
308 Benzo(K)fluoranthene	.99145	1.31639	32.77
305 Benzo(A)pyrene	1.20961	1.15111	4.84 *
336 Indeno(1,2,3-CD)pyrene	1.09384	.80401	26.50
318 Dibenzo(A,H)anthracene	.71402	.94991	33.04
307 Benzo(G,H,I)perylene	1.21947	.96372	20.97

```

PPPPF      A      SSSSS      SSSSS
P      P      A A      S      S      S      S
P      P      A  A      S      S
PPPPF      AAAAAA      SSSSS      SSSSS
P      A      A      S      S      S
P      A      A S      S      S      S
P      A      A SSSSS      SSSSS

```

** The output from SICCHK and SAREA has been spooled into the file called KZ9854 .

SAN JOSE CREEK WATER QUALITY LABORATORY

LIST OF METHOD FILE

Method file: MZ9854 GC type: 9890 Run type: SCAN, GC, EI
 Column: Cap Splitless: Yes

TEMPERATURE: Inj.P Intfc Source
 275.0 280.0 0.0

GC / D I P P A R A M E T E R T A B L E

	Rate	Temperature	Time
Initial Values:		40.0	4.0
	10.0	270.0	25.0
Level A Values:	.0	.0	.0
Level B Values:	.0	.0	.0
Post Run Values:		.0	.0
oven Equilibration Time:		.00	

Run time: 34.50
 Scan Start time: 1.00
 Splitless Valve Time: .50

	ON	OFF	ON	OFF
Relay #1:	327.0	327.0	327.0	327.0
Relay #2:	327.0	327.0	327.0	327.0
Iniac #0:	327.0	327.0	327.0	327.0
Iniac #1:	327.0	327.0	327.0	327.0

ALS 7673 Operating Conditions

Number of samples washes:	2	Number of samples pumps:	5
Solvent A washes:	5	Solvent B washes:	3
Sample viscosity wait:	4	Injection mode is FAST	

SCAN Parameters:

Mass Range: 35 to 450
 Multiplier voltage: 1295
 Number of A/D samples (2^N): 2
 GC peak threshold: 20000 counts
 Threshold: 50 counts

This method file has been APPENDED to the DUS report file
 K29854 .

QUANT REPORT

Page 1

Operator ID: TRFIL
 Output File: ^Z9854::04
 Data File: >Z9854::02
 Name: DCS-71
 Misc: 1000 931022

IS#12 SUR#25

Quant Rev: 7 Quant Time: 931028 12:38
 Injected at: 931028 11:52
 Dilution Factor: 1.00000
 Instrument ID: #2 BNA
 BTL#97

ID File: LZ9854::AS

Title: SHORT LIST BNA IDFILE, WITH 3 IONS. REF SPECTRA FROM 27OCT89

Last Calibration: 910802.23:19

Last Cal Time: 931028 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*S20 1,4-Dichlorobenzene-d4	7.22	345	7497	40.00	ng/ul	95
2)	840 N-Nitrosodimethylamine	1.56	33	8370	50.00	ng/ul	87
3)	S01 2-Fluorophenol	3.94	164	15125	100.00	ng/ul	95
4)	S02 Phenol-d5	6.90	327	27779	100.00	ng/ul	74
5)	855 Phenol	6.93	329	17419	50.00	ng/ul	78
6)	810 Bis(2-chloroethyl)ether	6.79	321	11708	50.00	ng/ul	80
7)	845 2-Chlorophenol	6.81	322	13079	50.00	ng/ul	93
8)	820 1,3-Dichlorobenzene	7.04	335	12316	50.00	ng/ul	92
9)	821 1,4-Dichlorobenzene	7.28	348	13213	50.00	ng/ul	91
10)	819 1,2-Dichlorobenzene	7.62	367	13426	50.00	ng/ul	92
11)	811 Bis(2-chloroisopropyl)ether	8.20	399	3514	50.00	ng/ul	94
12)	835 Hexachloroethane	8.44	412	7392	50.00	ng/ul	93
13)	841 N-Nitroso-di-n-propylamine	8.53	417	15629	50.00	ng/ul	82
14)	*S21 Naphthalene-d8	10.42	521	35155	40.00	ng/ul	94
15)	S03 Nitrobenzene-d5	8.71	427	7275	50.00	ng/ul	93
16)	839 Nitrobenzene	8.77	430	7931	50.00	ng/ul	
17)	837 Isophorone	9.46	468	44049	50.00	ng/ul	
18)	S04 Decafluorobiphenyl	9.33	461	21818	50.00	ng/ul	92
19)	851 2-Nitrophenol	9.57	474	9741	50.00	ng/ul	95
20)	848 2,4-Dimethylphenol	10.06	501	19616	50.00	ng/ul	98
21)	809 Bis(2-chloroethoxy)methane	10.18	508	22868	50.00	ng/ul	95
22)	847 2,4-Dichlorophenol	10.31	515	13960	50.00	ng/ul	97
23)	846 1,2,4-Trichlorobenzene	10.35	517	14533	50.00	ng/ul	90
24)	838 Naphthalene	10.47	524	23146	25.00	ng/ul	97
25)	833 Hexachlorobutadiene	10.89	547	10417	50.00	ng/ul	82
26)	853 4-Chloro-3-methylphenol	12.32	626	22707	50.00	ng/ul	90
27)	*S22 Acenaphthene-d10	14.76	760	25721	40.00	ng/ul	94
28)	834 Hexachloro-1,3-cyclopentadiene	12.65	644	12708	50.00	ng/ul	91
29)	856 2,4,6-Trichlorophenol	13.09	668	14191	50.00	ng/ul	86
30)	S05 2-Fluorobiphenyl	13.27	678	36535	50.00	ng/ul	90
31)	815 2-Chloronaphthalene	13.41	686	37504	50.00	ng/ul	97
32)	801 Acenaphthylene	14.38	739	32971	25.00	ng/ul	99
33)	824 Dimethylphthalate	14.45	743	47310	50.00	ng/ul	91
34)	827 2,6-Dinitrotoluene	14.52	747	12288	50.00	ng/ul	90
35)	800 Acenaphthene	14.83	764	20245	25.00	ng/ul	96
36)	849 2,4-Dinitrophenol	15.16	782	6815	50.00	ng/ul	96
37)	826 2,4-Dinitrotoluene	15.48	800	19015	50.00	ng/ul	93
38)	852 4-Nitrophenol	15.74	814	12405	50.00	ng/ul	89
39)	831 Fluorene	16.12	835	24369	25.00	ng/ul	97
40)	816 4-Chlorophenylphenylether	16.26	843	21053	50.00	ng/ul	95

QUANT REPORT

Operator ID: TRFIL
 Output File: ^Z9854::D4
 Data File: >Z9854::D2
 Name: DCS-71
 Misc: 1000 931022

Quant Rev: 7
 IS#12 SUR#25

Quant Time: 931028 12:38
 Injected at: 931028 11:52
 Dilution Factor: 1.00000
 Instrument ID: #2 BNA
 BTL#97

ID File: LZ9854::AS

Title: SHORT LIST BNA IDFILE, WITH 3 IONS. REF SPECTRA FROM 27OCT89

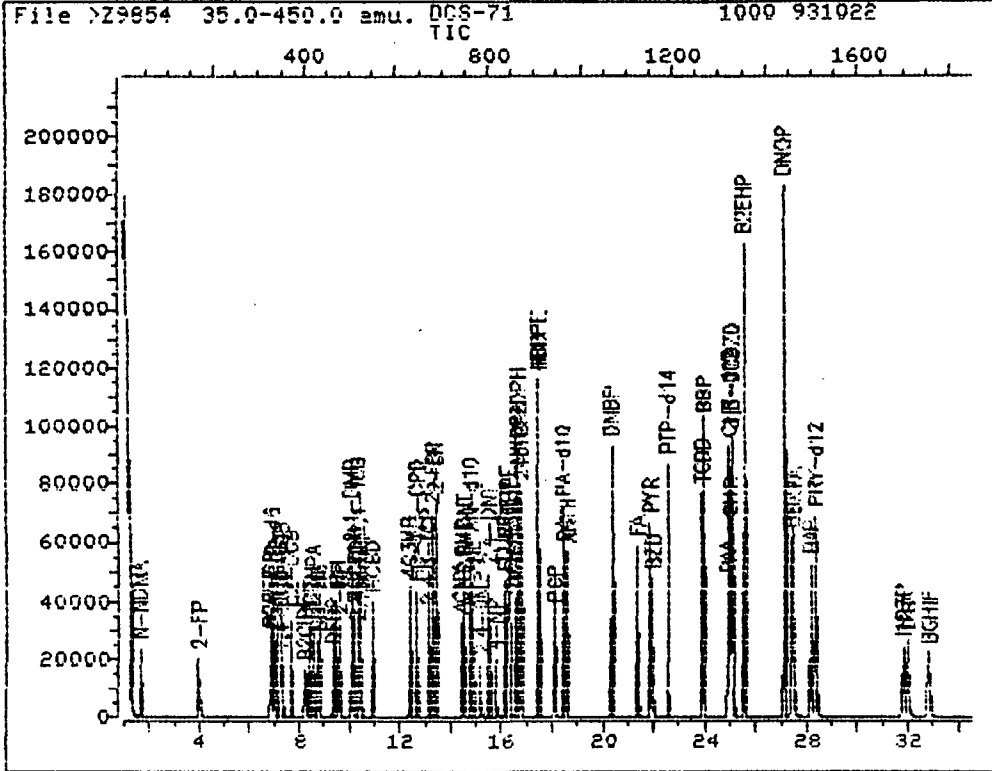
Last Calibration: 910802 23:19

Last Qcal Time: 931028 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	823 Diethylphthalate	16.23	841	55248	50.00	ng/ul	98
42)	*S23 Phenanthrene-d10	18.39	960	59516	40.00	ng/ul	98
43)	850 2-Methyl-4,6-dinitrophenol	16.46	854	13426	50.00	ng/ul	84
44)	857 N-Nitrosodiphenylamine	16.63	863	27503	50.00	ng/ul	96
45)	829 1,2-Diphenylhydrazine	16.64	864	13425	50.00	ng/ul	94
46)	S06 2,4,6-Tribromophenol	16.75	870	20513	100.00	ng/ul	95
47)	813 4-Bromophenylphenylether	17.44	908	12906	50.00	ng/ul	94
48)	832 Hexachlorobenzene	17.44	908	20668	50.00	ng/ul	93
49)	854 Pentachlorophenol	18.06	942	14749	50.00	ng/ul	88
50)	842 Phenanthrene	18.44	963	39761	25.00	ng/ul	98
51)	802 Anthracene	18.57	970	41430	25.00	ng/ul	98
52)	825 Di-n-butylphthalate	20.29	1065	112301	50.00	ng/ul	98
53)	830 Fluoranthene	21.36	1124	55155	25.00	ng/ul	99
54)	*S24 Chrysene-d12	24.91	1320	75677	40.00	ng/ul	99
55)	843 Pyrene	21.87	1152	54761	25.00	ng/ul	95
56)	803 Benzidine	21.94	1156	44214	50.00	ng/ul	96
57)	S07 p-Terphenyl-d14	22.52	1188	70816	50.00	ng/ul	97
58)	844 1,2,3,4-TCDD (2,3,7,8)	23.86	1262	23140	50.00	ng/ul	91
59)	814 Butylbenzylphthalate	23.93	1266	65596	50.00	ng/ul	86
60)	804 Benzo(A)anthracene	24.88	1318	53220	25.00	ng/ul	98
61)	817 Chrysene	24.99	1324	58030	25.00	ng/ul	92
62)	822 3,3-Dichlorobenzidine	25.04	1327	51896	50.00	ng/ul	98
63)	812 Bis(2-ethylhexyl)phthalate	25.51	1353	90549	50.00	ng/ul	96
64)	*S25 Perylene-d12	28.31	1507	92266	40.00	ng/ul	97
65)	828 Di-n-octylphthalate	27.05	1438	194388	50.00	ng/ul	98
66)	806 Benzo(B)fluoranthene	27.38	1456	60958	25.00	ng/ul	93
67)	808 Benzo(K)fluoranthene	27.45	1460	75911	25.00	ng/ul	96
68)	805 Benzo(A)pyrene	28.14	1498	66380	25.00	ng/ul	98
69)	836 Indeno(1,2,3-CD)pyrene	31.77	1698	46364	25.00	ng/ul	92
70)	818 Dibenzo(A,H)anthracene	31.99	1710	54778	25.00	ng/ul	98
71)	807 Benzo(G,H,I)perylene	32.81	1755	55574	25.00	ng/ul	83

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >Z9854::D2
 Name: DCS-71
 Misc: 1000 931022

Quant Output File: ^Z9854::D4
 Instrument ID: #2 BNA
 IS#12 SUR#25 BTL#97

Id File: LZ9854::AS
 Title: SHORT LIST BNA IDFILE, WITH 3 IONS. REF SPECTRA FROM 27OCT89
 Last Calibration: 910802 23:19 Last Qual Time: 931028 11:52

Operator ID: TRFIL
 Quant Time : 931028 12:38
 Injected at: 931028 11:52

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9855 QUANT DATE: 9310281318 INJ TIME: 9310281241

SAMPLE NAME: SJ 108085 ~~BBLANK~~

MISC: 1000S931008 IS#12 SUR#25

BTL# 1

LASTEDIT FILE TIME: 1:23 PM THU., 28 OCT., 1993

ANALYZED BY: *[Signature]*

VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchlor1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	Isophorone	ND	3	<	3
338	Naphthalene	ND	2	<	2
339	Nitrobenzene	ND	2	<	2
340	N-Nitrosodimethylamine	ND	30	<	30
341	N-Nitroso-di-n-propylamine	ND	2	<	2
342	Phenanthrene	ND	1	<	1
343	Pyrene	ND	2	<	2
344	1,2,3,4-TCOD (2,3,7,8)	ND	3	<	3
345	2-Chlorophenol	ND	8	<	8
346	1,2,4-Trichlorobenzene	ND	3	<	3
347	2,4-Dichlorophenol	ND	3	<	3
348	2,4-Dimethylphenol	ND	3	<	3
349	2,4-Dinitrophenol	ND	39	<	39
350	2-Methyl-4,6-dinitrophenol	ND	17	<	17
351	2-Nitrophenol	ND	5	<	5
352	4-Nitrophenol	ND	6	<	6
353	4-Chloro-3-methylphenol	ND	2	<	2
354	Pentachlorophenol	ND	16	<	16
355	Phenol	ND	3	<	3
356	2,4,6-Trichlorophenol	ND	2	<	2
357	N-Nitrosodiphenylamine	ND	2	<	2

=====NOTE=====

DATA FILE: >Z9855 SAMPLE NAME: SJ 10B08S BBLANK
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 =< VALUE < MDL

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	67.91	100.00	68	27-119	OK
S02	Phenol-d5	73.91	100.00	74	23-111	OK
S03	Nitrobenzene-d5	34.14	50.00	68	62-122	OK
S04	Decafluorobiphen	31.85	50.00	64	-----	OK
S05	2-Fluorobiphenyl	46.41	50.00	93	56-124	OK
S06	2,4,6-Tribromoph	77.04	100.00	77	40-150	OK
S07	p-Terphenyl-d14	44.17	50.00	88	37-133	OK

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Initial Volume is 1000 ML

DATA FILE:	^Z9855	^Z9854				
	^	^				
INTERNAL STANDARD	SAMPLE AREA	1-----STANDARD-----1 1/2 X AREA	AREA	2X AREA	MRK	
S20	1,4-Dichlorobenzen	7660	3749	7497	14994	OK

S21 Naphthalene-d8	35630	17578	35155	70310	OK
S22 Acenaphthene-d10	22976	12861	25721	51442	OK
S23 Phenanthrene-d10	65891	29758	59516	119032	OK
S24 Chrysene-d12	74415	37839	75677	151354	OK
S25 Perylene-d12	85168	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.22	6.72	7.22	7.72	OK
S21 Naphthalene-d8	10.42	9.92	10.42	10.92	OK
S22 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK
S23 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK
S24 Chrysene-d12	24.90	24.41	24.91	25.41	OK
S25 Perylene-d12	28.30	27.81	28.31	28.81	OK

The output from LU 6 has been sucessfully spooled into
the file called 029855 .

SAN JOSE CREEK WATER QUALITY LABORATORY

Laboratory Control Standard

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9856 QUANT-DATE: 9311011626 INJ TIME: 9310281327
 SAMPLE NAME: SJ 10R08S **QC CHECK**
 MISC: 1000S931008 IS#12 SUR#25 BTL# 2
 LASTEDIT FILE TIME: 4:28 PM MON., 1 NOV., 1993

ANALYZED BY: *[Signature]* VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	35.84	2	36
801 Acenaphthylene	34.86	2	35
802 Anthracene	35.84	1	36
803 Benzidine	ND	56 <	56
804 Benzo(A)anthracene	38.03	2	38
805 Benzo(A)pyrene	36.42	6	36
806 Benzo(B)fluoranthene	38.47	2	38
807 Benzo(G,H,I)perylene	39.58	5	40
808 Benzo(K)fluoranthene	34.37	2	34
809 Bis(2-chloroethoxy)methane	38.04	3	38
810 Bis(2-chloroethyl)ether	40.97	5	41
811 Bis(2chloroisopropyl)ether	40.07	3	40
812 Bis(2-ethylhexyl)phthalate	43.22	9	43
813 4-Bromophenylphenylether	45.87	8	46
814 Butylbenzylphthalate	41.33	3	41
815 2-Chloronaphthalene	37.23	1	37
816 4-Chlorophenylphenylether	49.21	2	49
817 Chrysene	32.64	2	33
818 Dibenzo(A,H)anthracene	36.37	5	36
819 1,2-Dichlorobenzene	38.61	9	39
820 1,3-Dichlorobenzene	38.21	9	38
821 1,4-Dichlorobenzene	38.11	2	38
822 3,3-Dichlorobenzidine	19.69*	90	20*
823 Diethylphthalate	54.52	2	55
824 Dimethylphthalate	42.69	3	43
825 Di-n-butylphthalate	47.53	4	48
826 2,4-Dinitrotoluene	46.05	3	46
827 2,6-Dinitrotoluene	37.81	5	38
828 Di-n-octylphthalate	38.88	5	39
829 1,2-Diphenylhydrazine	43.09	1	43
830 Fluoranthene	30.87	2	31
831 Fluorene	43.25	2	43
832 Hexachlorobenzene	39.09	1	39
833 Hexachlorobutadiene	38.38	9	38
834 Hexchlor1,3cyclopentadiene	26.51*	90	27*
835 Hexachloroethane	36.57	11	37
836 Indeno(1,2,3-CD)pyrene	44.93	5	45

337	Isophorone	25.33	3	25
338	Naphthalene	36.32	2	36
339	Nitrobenzene	36.29	2	36
340	N-Nitrosodimethylamine	23.61*	27	24*
341	N-Nitroso-di-n-propylamine	38.05	2	38
342	Phenanthrene	38.97	1	39
343	Pyrene	36.81	2	37
344	1,2,3,4-TCDD (2,3,7,8)	ND	3	3
345	2-Chlorophenol	31.85	7	32
346	1,2,4-Trichlorobenzene	36.73	3	37
347	2,4-Dichlorophenol	34.50	3	35
348	2,4-Dimethylphenol	33.15	3	33
349	2,4-Dinitrophenol	3.70*	35	4*
350	2-Methyl-4,6-dinitrophenol	28.20	15	28
351	2-Nitrophenol	32.13	5	32
352	4-Nitrophenol	33.40	5	33
353	4-Chloro-3-methylphenol	34.80	2	35
354	Pentachlorophenol	27.48	14	27
355	Phenol	32.34	3	32
356	2,4,6-Trichlorophenol	35.19	2	35
357	N-Nitrosodiphenylamine	51.61	2	52

-----NOTE-----

DATA FILE: >Z9856 SAMPLE NAME: SJ 10R08S QQCHECK
 EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
 * FOOTNOTE #37: 1 =< VALUE < MDL

 BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 10B08S BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	76.64	100.00	77	27-119	OK
S02	Phenol-d5	76.30	100.00	76	23-111	OK
S03	Nitrobenzene-d5	40.53	50.00	81	62-122	OK
S04	Decafluorobiphen	30.20	50.00	60	-----	OK
S05	2-Fluorobiphenyl	42.40	50.00	85	56-124	OK
S06	2,4,6-Tribromoph	75.47	100.00	75	40-150	OK
S07	p-Terphenyl-d14	39.46	50.00	79	37-133	OK

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Initial Volume is 1000 ML

 DATA FILE: ^Z9856 ^Z9854
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 | |
 | |
 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	6949	3749	7497	14994	OK
S21 Naphthalene-d8	31961	17578	35155	70310	OK
S22 Acenaphthene-d10	23773	12861	25721	51442	OK
S23 Phenanthrene-d10	59312	29758	59516	119032	OK
S24 Chrysene-d12	68740	37839	75677	151354	OK
S25 Perylene-d12	78439	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	-----STANDARD-----				MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)		
S20 1,4-Dichlorobenzen	7.25	6.72	7.22	7.72	OK	
S21 Naphthalene-d8	10.45	9.92	10.42	10.92	OK	
S22 Acenaphthene-d10	14.78	14.26	14.76	15.26	OK	
S23 Phenanthrene-d10	18.41	17.89	18.39	18.89	OK	
S24 Chrysene-d12	24.95	24.41	24.91	25.41	OK	
S25 Perylene-d12	28.34	27.81	28.31	28.81	OK	

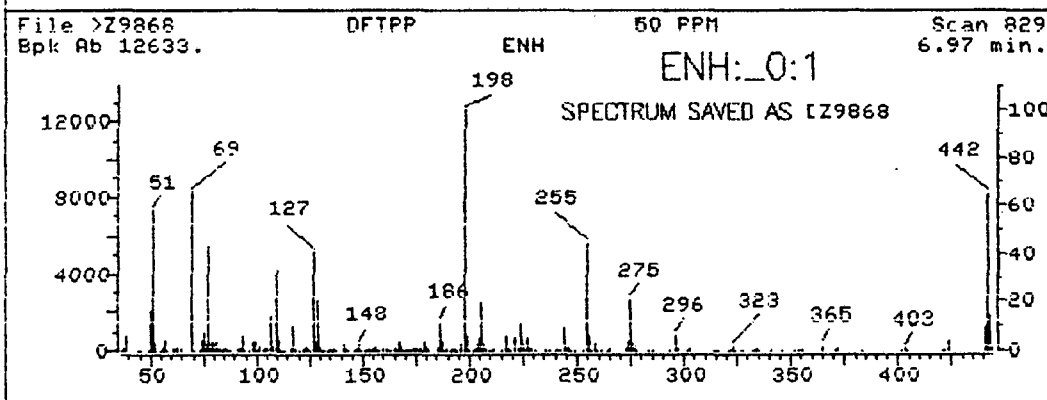
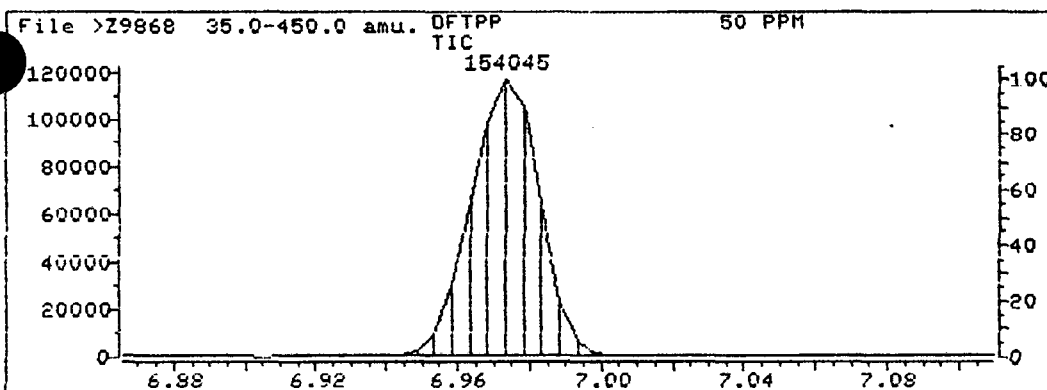
The output from LU 6 has been sucessfully spooled into the file called OZ9856 .

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	57.73	57.73	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	65.51	65.51	Ok
70	Less than 2% of mass 69	.31	.48	Ok
127	40-60% of mass 198	40.09	40.09	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.34	6.34	Ok
275	10-30% of mass 198	20.69	20.69	Ok
365	Greater than 1% of mass 198	2.30	2.30	Ok
441	0-100% of mass 443	9.41	70.46	Ok
442	Greater than 40% of mass 198	64.08	64.08	Ok
443	17-23% of mass 442	13.36	20.84	Ok

Injection Date: 10/29/93
 Injection Time: 12:27
 Data File: >Z9868
 Scan: 829



GC/MS PERFORMANCE STANDARD

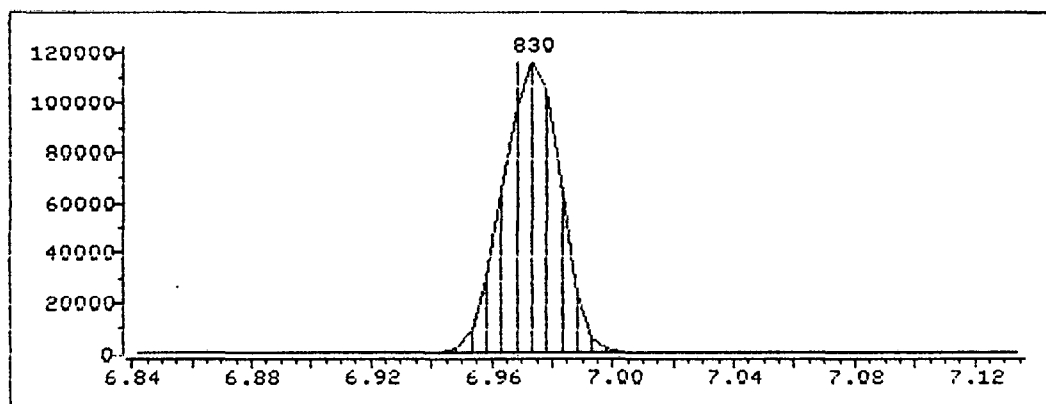
Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	60.71	60.71	No Good
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	67.90	67.90	Ok
70	Less than 2% of mass 69	.30	.44	Ok
127	40-60% of mass 198	42.39	42.39	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.52	6.52	Ok
275	10-30% of mass 198	20.18	20.18	Ok
365	Greater than 1% of mass 198	2.27	2.27	Ok
441	0-100% of mass 443	8.80	72.39	Ok
442	Greater than 40% of mass 198	59.15	59.15	Ok
443	17-23% of mass 442	12.15	20.55	Ok

Injection Date: 10/29/93
 Injection Time: 12:27
 Data File: >Z9868
 Scan: 830

Spectrum fails specified criteria.

 * A TUNER REPORT OF THE MAXIMUM UNENHANCED DFTPP SCAN IS LISTED *
 * ABOVE FOR COMPARISON BECAUSE THE MAXIMUM AND THE PASSING *
 * SCAN ARE NOT THE SAME. *



SAN JOSE WATER QUALITY LABORATORY

LIST OF TUNE FILE

TUNE FILE NAME INSTRUMENT MODEL NO. LAST UPDATE DATE
 TZ9868 5970 3/16/93 12:34

LENS	START	STOP	STEP
REPELLER	0	10.2	.2
ION FOCUS	0	204	4
ENT. LENS	0	255	5
X-RAY	0	204	4

PROFILE SCAN MASSES WINDOW STEP SIZE
 69 219 414 6 .1

SCANS SCALE FACTOR
 5 1

SPECTRUM SCAN RANGE SCAN THRESHOLD
 10 800 10

A/D SAMPLES INTEGRATION
 16 50

REPELLER	(0 - 10.2 V)	9.5	ION FOCUS	(0 - 204 V)	60
ENT. LENS	(0 - 255 MV/AMU)	67	X - RAY	(0 - 204 V)	22
EL. MULT	(0 - 3000 V)	1747			
AMU GAIN	(0 - 255)	162	AMU OFFSET	(0 - 255)	69
AXIS GAIN	(0 - +/- 999)	36	AXIS OFFSET	(0 - +/- 999)	-25

This tune file has been APPENDED to the tune report file
 DZ9868 .

SAN JOSE CREEK WATER QUALITY LABORATORY

LIST OF METHOD FILE

Method file: MZ9868 GC type: 5890 Run type: SCAN, GC, EI
 Column: Cap Splitless: Yes

TEMPERATURE: Inj.P Intfc Source
 275.0 280.0 0.0

GC / D I P P A R A M E T E R T A B L E

	Rate	Temperature	Time
Initial Values:		100.0	2.0
	30.0	210.0	10.0
Level A Values:	.0	.0	.0
Level B Values:	.0	.0	.0
Post Run Values:		.0	.0
Oven Equilibration Time:	.00		

Run time: 8.00
 Scan Start Time: 3.00
 Splitless Valve Time: .50

	ON	OFF	ON	OFF
Relay #1:	327.0	327.0	327.0	327.0
Relay #2:	327.0	327.0	327.0	327.0
Triac #0:	327.0	327.0	327.0	327.0
Triac #1:	327.0	327.0	327.0	327.0

ALS 7673 Operating Conditions

Number of samples washes:	2	Number of samples pumps:	5
Solvent A washes:	5	Solvent B washes:	3
Sample viscosity wait:	4	Injection mode is FAST	

SCAN Parameters:

Mass Range: 35 to 450
 Multiplier voltage: 1795
 Number of A/D samples (2^N): 0
 GC peak threshold: 20000 counts
 Threshold: 10 counts

This method file has been APPENDED to the tune report file
 DZ9868 .

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF INTERNAL STANDARD AREAS AND RETENTION TIMES
OF SAMPLE ANALYZED BY HP 5890/5970B GC/MS

DATA FILE: >Z9869 QUANT DATE: 9310291347 INJ TIME: 9310291249

SAMPLE NAME: DCS-71

1ISC: 1000 931022

IS#12 SUR#25

BTL#97

LAST EDIT FILE TIME: 1:50 PM FRI., 29 OCT., 1993

ANALYZED BY: *[Signature]*

VERIFIED BY: *[Signature]*

INTERNAL STANDARD	^Z9869	^Z9791			MRK
	SAMPLE AREA	1/2 X AREA	AREA	2X AREA	
S20 1,4-Dichlorobenzen	13640	6820	13640	27280	OK
S21 Naphthalene-d8	63015	31508	63015	126030	OK
S22 Acenaphthene-d10	42880	21440	42880	85760	OK
S23 Phenanthrene-d10	98279	49140	98279	196558	OK
S24 Chrysene-d12	109720	54860	109720	219440	OK
S25 Perylene-d12	129015	64508	129015	258030	OK

INTERNAL STANDARD	SAMPLE RT (MIN)	STANDARD		MRK
	RT (MIN)	RT-0.5 (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.63	7.13	8.13	OK
S21 Naphthalene-d8	10.80	10.30	11.30	OK
S22 Acenaphthene-d10	15.16	14.66	15.66	OK
S23 Phenanthrene-d10	18.80	18.30	19.30	OK
S24 Chrysene-d12	25.39	24.89	25.89	OK
S25 Perylene-d12	28.96	28.46	29.46	OK

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF DCS RF CRITERIA CHECKS

OUTPUT FILE: ^Z9869 CALIBRATION FILE: CLIB2
 VERIFICATION TIME: 1:50 PM FRI., 29 OCT., 1993

COMPOUND	CB_RF	DCS_RF	%DIFF	CCC	SPCC	MK
340 N-Nitrosodimethylamine	.98299	.89560	8.89			
855 Phenol	1.79390	1.97214	9.94	*		
810 Bis(2-chloroethyl)ether	1.57493	1.30305	17.26			
845 2-Chlorophenol	1.42150	1.40833	.93			
820 1,3-Dichlorobenzene	1.47327	1.40422	4.69			
821 1,4-Dichlorobenzene	1.37979	1.47718	7.06	*		
819 1,2-Dichlorobenzene	1.49604	1.45783	2.55			
811 Bis(2chloroisopropyl)ether	.43202	.30164	30.18			
835 Hexachloroethane	.72778	.75003	3.06			
841 N-Nitroso-di-n-propylamine	1.58524	1.57560	.61		**	
839 Nitrobenzene	.24197	.19650	18.79			
837 Isophorone	1.14253	1.00445	12.09			
851 2-Nitrophenol	.27983	.23423	16.29	*		
848 2,4-Dimethylphenol	.43929	.45010	2.46			
809 Bis(2-chloroethoxy)methane	.56153	.51287	8.67			
847 2,4-Dichlorophenol	.33439	.32828	1.83	*		
846 1,2,4-Trichlorobenzene	.39544	.33310	15.76			
848 Naphthalene	1.27939	1.05928	17.20			
833 Hexachlorobutadiene	.25383	.22348	11.96	*		
853 4-Chloro-3-methylphenol	.51311	.46360	9.65	*		
834 Hexchlor1,3cyclopentadiene	.33147	.38205	15.26		**	
856 2,4,6-Trichlorophenol	.39048	.44750	14.60	*		
815 2-Chloronaphthalene	1.12004	1.15407	3.04			
801 Acenaphthylene	1.99521	2.00082	.28			
824 Dimethylphthalate	1.61774	1.48552	8.17			
827 2,6-Dinitrotoluene	.38482	.42004	9.15			
800 Acenaphthene	1.27520	1.25004	1.97	*		
849 2,4-Dinitrophenol	.22784	.20000	12.22		**	
826 2,4-Dinitrotoluene	.59808	.64884	8.49			
852 4-Nitrophenol	.37865	.42049	11.05		**	
831 Fluorene	1.45298	1.45123	.12			
816 4-Chlorophenylphenylether	.66236	.62252	6.02			
823 Diethylphthalate	1.85945	1.63586	12.02			
850 2-Methyl-4,6-dinitrophenol	.17129	.17827	4.08			
857 N-Nitrosodiphenylamine	.33281	.34480	3.60	*		
829 1,2-Diphenylhydrazine	.17019	.16761	1.51			
813 4-Bromophenylphenylether	.22623	.19723	12.82			
832 Hexachlorobenzene	.31638	.28394	10.25			
854 Pentachlorophenol	.18339	.18708	2.01	*		
842 Phenanthrene	1.12358	1.03047	8.29			
802 Anthracene	1.15932	1.07137	7.59			
825 Di-n-butylphthalate	1.53264	1.47271	3.91			
870 Fluoranthene	1.42034	1.33178	6.23	*		
873 Pyrene	1.31966	1.18052	10.54			

803 Benzidine	.47067	.49107	4.33
844 1,2,3,4-TCDD (2,3,7,8)	.19665	.23601	20.02
814 Butylbenzylphthalate	.60845	.67391	10.76
804 Benzo(A)anthracene	1.28202	1.15526	9.89
817 Chrysene	.90447	1.17734	30.17
822 3,3-Dichlorobenzidine	.49494	.52975	7.03
812 Bis(2-ethylhexyl)phthalate	1.01785	1.01957	.17
828 Di-n-octylphthalate	1.63186	1.58285	3.00 *
806 Benzo(B)fluoranthene	1.42135	1.14813	19.22
808 Benzo(K)fluoranthene	.99145	1.18733	19.76
805 Benzo(A)pyrene	1.20961	1.10412	8.72 *
836 Indeno(1,2,3-CD)pyrene	1.09384	.84584	22.67
818 Dibenzo(A,H)anthracene	.71402	.95895	34.30
807 Benzo(G,H,I)perylene	1.21947	.96381	20.97

```

PPPPP          A          SSSSS  SSSSS
P   P          A A       S     S  S     S
P   P          A  A       S     S  S
PPPPP  AAAAAAA  SSSSS  SSSSS
P      A          A          S     S  S
P      A          A  S     S  S     S
P      A          A  SSSSS  SSSSS

```

** The output from STCHK and SAREA has been spooled into the file called KZ9869 .

SAN JOSE CREEK WATER QUALITY LABORATORY

LIST OF METHOD FILE

Method file: MZ9869 GC type: 5890 Run type: SCAN, GC, EI
 Column: Cap Splitless: Yes

TEMPERATURE: Inj.P Intfc Source
 275.0 280.0 0.0

GC / D I P P A R A M E T E R T A B L E

	Rate	Temperature	Time
Initial Values:		40.0	4.0
	10.0	270.0	25.0
Level A Values:	.0	.0	.0
Level B Values:	.0	.0	.0
Post Run Values:		.0	.0
Open Equilibration Time:		.00	

Run time: 35.00
 Scan Start Time: 1.00
 Splitless Valve Time: .50

	ON	OFF	ON	OFF
Relay #1:	327.0	327.0	327.0	327.0
Relay #2:	327.0	327.0	327.0	327.0
Triac #0:	327.0	327.0	327.0	327.0
Triac #1:	327.0	327.0	327.0	327.0

ALS 7673 Operating Conditions

Number of samples washes:	2	Number of samples pumps:	5
Solvent A washes:	5	Solvent B washes:	3
Sample viscosity wait:	4	Injection mode is FAST	

SCAN Parameters:

Mass Range: 35 to 450
 Multiplier voltage: 1795
 Number of A/D samples (2^N): 2
 GC peak threshold: 20000 counts
 Threshold: 50 counts

This method file has been APPENDED to the DCS report file
 KZ9869 .

QUANT REPORT

Operator ID: TRFIL
 Output File: ^Z9869::D4
 Data File: >Z9869::D2
 Name: DCS-71
 Misc: 1000 931022

Quant Rev: 7 Quant Time: 931029 13:52
 Injected at: 931029 12:49
 Dilution Factor: 1.00000
 Instrument ID: #2 BNA
 BTL#97

ID File: LZ9869::AS
 Title: SHORT LIST BNA IDFILE, WITH 3 IONS. REF SPECTRA FROM 27OCT89
 Last Calibration: 910802 23:19 Last Qcal Time: 931029 12:49

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*S20 1,4-Dichlorobenzene-d4	7.63	366	13640	40.00	ng/ul	94
2)	840 N-Nitrosodimethylamine	1.79	44	15270	50.00	ng/ul	91
3)	S01 2-Fluorophenol	4.46	191	32034	100.00	ng/ul	95
4)	S02 Phenol-d5	7.29	347	51656	100.00	ng/ul	75
5)	855 Phenol	7.30	348	33625	50.00	ng/ul	91
6)	810 Bis(2-chloroethyl)ether	7.19	342	22217	50.00	ng/ul	88
7)	845 2-Chlorophenol	7.21	343	24012	50.00	ng/ul	96
8)	820 1,3-Dichlorobenzene	7.45	356	23942	50.00	ng/ul	98
9)	821 1,4-Dichlorobenzene	7.68	369	25186	50.00	ng/ul	90
10)	819 1,2-Dichlorobenzene	8.03	388	24856	50.00	ng/ul	94
11)	811 Bis(2chloroisopropyl)ether	8.57	418	5143	50.00	ng/ul	92
12)	835 Hexachloroethane	8.83	432	12788	50.00	ng/ul	94
13)	841 N-Nitroso-di-n-propylamine	8.92	437	26864	50.00	ng/ul	81
14)	*S21 Naphthalene-d8	10.80	541	63015	40.00	ng/ul	95
15)	S03 Nitrobenzene-d5	9.10	447	13604	50.00	ng/ul	96
16)	839 Nitrobenzene	9.15	450	15478	50.00	ng/ul	
17)	837 Isophorone	9.82	487	79119	50.00	ng/ul	
18)	S04 Decafluorobiphenyl	9.72	481	33945	50.00	ng/ul	82
19)	851 2-Nitrophenol	9.95	494	18450	50.00	ng/ul	88
20)	848 2,4-Dimethylphenol	10.40	519	35454	50.00	ng/ul	97
21)	809 Bis(2-chloroethoxy)methane	10.55	527	40398	50.00	ng/ul	95
22)	847 2,4-Dichlorophenol	10.68	534	25858	50.00	ng/ul	92
23)	846 1,2,4-Trichlorobenzene	10.71	536	26238	50.00	ng/ul	91
24)	838 Naphthalene	10.86	544	41719	25.00	ng/ul	97
25)	833 Hexachlorobutadiene	11.28	567	17603	50.00	ng/ul	83
26)	853 4-Chloro-3-methylphenol	12.65	643	36517	50.00	ng/ul	95
27)	*S22 Acenaphthene-d10	15.16	781	42880	40.00	ng/ul	93
28)	834 Hexchlor1,3cyclopentadiene	13.05	665	20478	50.00	ng/ul	97
29)	856 2,4,6-Trichlorophenol	13.47	688	23986	50.00	ng/ul	78
30)	S05 2-Fluorobiphenyl	13.63	697	58739	50.00	ng/ul	89
31)	815 2-Chloronaphthalene	13.80	706	61858	50.00	ng/ul	97
32)	801 Acenaphthylene	14.78	760	53622	25.00	ng/ul	98
33)	824 Dimethylphthalate	14.83	763	79624	50.00	ng/ul	96
34)	827 2,6-Dinitrotoluene	14.92	768	22514	50.00	ng/ul	78
35)	800 Acenaphthene	15.23	785	33501	25.00	ng/ul	93
36)	849 2,4-Dinitrophenol	15.52	801	10720	50.00	ng/ul	79
37)	826 2,4-Dinitrotoluene	15.86	820	34778	50.00	ng/ul	93
38)	852 4-Nitrophenol	16.06	831	22538	50.00	ng/ul	89
39)	831 Fluorene	16.52	856	38893	25.00	ng/ul	94
40)	816 4-Chlorophenylphenylether	16.66	864	33367	50.00	ng/ul	97

QUANT REPORT

Operator ID: TRFIL
 Output File: ^Z9869::D4
 Data File: >Z9869::D2
 Name: DCS-71
 Misc: 1000 931022

Quant Rev: 7
 IS#12 SUR#25

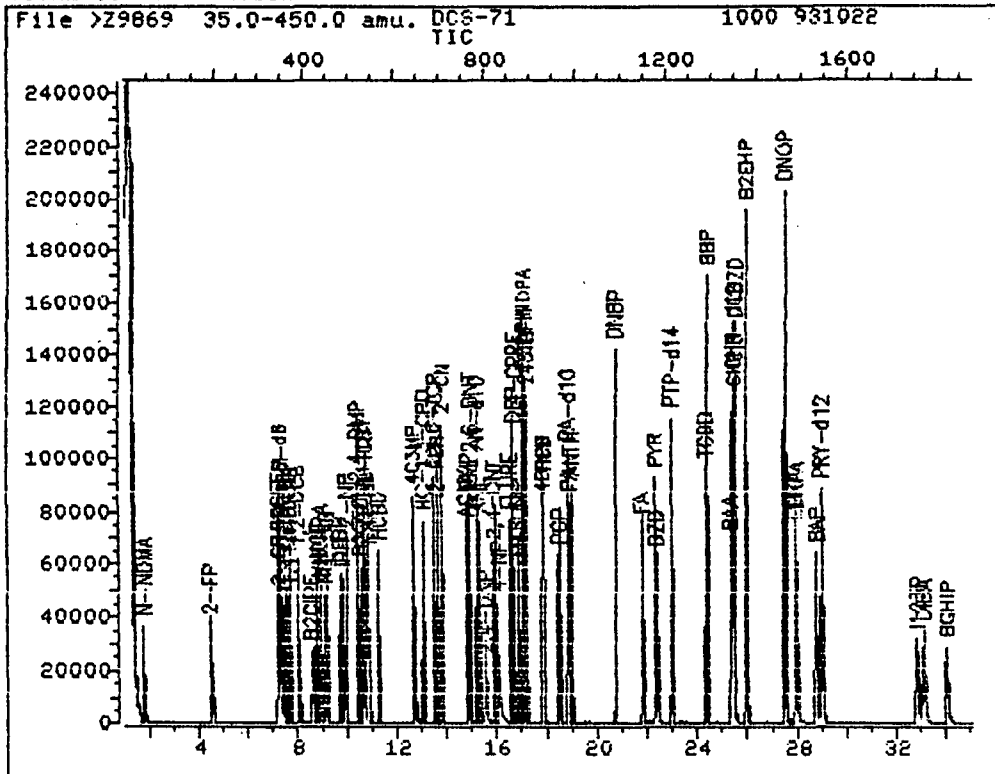
Quant Time: 931029 13:52
 Injected at: 931029 12:49
 Dilution Factor: 1.00000
 Instrument ID: #2 BNA
 BTL#97

ID File: LZ9869::AS
 Title: SHORT LIST BNA IDFILE, WITH 3 IONS. REF SPECTRA FROM 27OCT89
 Last Calibration: 910802 23:19
 Last Qcal Time: 931029 12:49

Compound	R.T.	Scan#	Area	Conc	Units	q
41) 823 Diethylphthalate	16.63	862	87682	50.00	ng/ul	97
42) *S23 Phenanthrene-d10	18.80	982	98279	40.00	ng/ul	98
43) 850 2-Methyl-4,6-dinitrophenol	16.86	875	21900	50.00	ng/ul	85
44) 857 N-Nitrosodiphenylamine	17.03	884	42358	50.00	ng/ul	95
45) 829 1,2-Diphenylhydrazine	17.04	885	20591	50.00	ng/ul	93
46) S06 2,4,6-Tribromophenol	17.17	892	31073	100.00	ng/ul	95
47) 813 4-Bromophenylphenylether	17.84	929	24229	50.00	ng/ul	97
48) 832 Hexachlorobenzene	17.88	931	34882	50.00	ng/ul	80
49) 854 Pentachlorophenol	18.48	964	22982	50.00	ng/ul	93
50) 842 Phenanthrene	18.86	985	63296	25.00	ng/ul	98
51) 802 Anthracene	18.99	992	65808	25.00	ng/ul	98
52) 825 Di-n-butylphthalate	20.69	1086	180920	50.00	ng/ul	98
53) 830 Fluoranthene	21.78	1146	81804	25.00	ng/ul	98
54) *S24 Chrysene-d12	25.39	1345	109720	40.00	ng/ul	99
55) 843 Pyrene	22.30	1175	80954	25.00	ng/ul	92
56) 803 Benzidine	22.34	1177	67350	50.00	ng/ul	98
57) S07 p-Terphenyl-d14	22.94	1210	103819	50.00	ng/ul	94
58) 844 1,2,3,4-TCDD (2,3,7,8)	24.32	1286	32369	50.00	ng/ul	95
59) 814 Butylbenzylphthalate	24.37	1289	92427	50.00	ng/ul	81
60) 804 Benzo(A)anthracene	25.33	1342	79222	25.00	ng/ul	99
61) 817 Chrysene	25.44	1348	80736	25.00	ng/ul	95
62) 822 3,3-Dichlorobenzidine	25.48	1350	72655	50.00	ng/ul	98
63) 812 Bis(2-ethylhexyl)phthalate	25.93	1375	139834	50.00	ng/ul	96
64) *S25 Perylene-d12	28.96	1542	129015	40.00	ng/ul	98
65) 828 Di-n-octylphthalate	27.49	1461	255265	50.00	ng/ul	98
66) 806 Benzo(B)fluoranthene	27.91	1484	92529	25.00	ng/ul	96
67) 808 Benzo(K)fluoranthene	27.98	1488	95740	25.00	ng/ul	90
68) 805 Benzo(A)pyrene	28.76	1531	89030	25.00	ng/ul	94
69) 836 Indeno(1,2,3-CD)pyrene	32.84	1756	68204	25.00	ng/ul	94
70) 818 Dibenzo(A,H)anthracene	33.08	1769	77324	25.00	ng/ul	98
71) 807 Benzo(G,H,I)perylene	34.04	1822	77716	25.00	ng/ul	84

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >Z9869::D2
Name: DCS-71
Misc: 1000 931022

Quant Output File: ^Z9869::D4
Instrument ID: #2 BNA
IS#12 SUR#25 BTL#97

Id File: LZ9869::AS
Title: SHORT LIST BNA IDFILE, WITH 3 IONS. REF SPECTRA FROM 27OCT89
Last Calibration: 910802 23:19 Last Qcal Time: 931029 12:49

Operator ID: TRFIL
Quant Time : 931029 13:52
Injected at: 931029 12:49

SAMPLE RESULTS FOR BNA COMPOUND ANALYSIS

LIST OF SAMPLES IN BATCH

SAMPLE NUMBER	SAMPLE DATE	EXTRACTION DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ63873	10/04/93	10/08/93	10/28/93
SJ63874	10/04/93	10/08/93	10/28/93
SJ63875	10/04/93	10/08/93	10/28/93
SJ63876	10/04/93	10/08/93	10/28/93
SJ63877	10/04/93	10/08/93	10/28/93
SJ63878	10/04/93	10/08/93	10/28/93
SJ63879	10/05/93	10/08/93	10/28/93
SJ63880	10/05/93	10/08/93	10/28/93
SJ63881	10/05/93	10/08/93	10/28/93
SJ63882	10/05/93	10/08/93	10/28/93
SJ63883	10/05/93	10/08/93	10/28/93
SJ63884	10/05/93	10/08/93	10/28/93

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9857 QUANT DATE: 9310281451 INJ TIME: 9310281415
 SAMPLE NAME: SJ 63873 LPULFSC35
 TISC: 1000S931008 931004 IS#12 SUR#25 BTL# 3
 LASTEDIT FILE TIME: 2:56 PM THU., 28 OCT., 1993

ANALYZED BY: *[Signature]*

VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	isophorone	ND	3	<	3
338	Naphthalene	ND	2	<	2
339	Nitrobenzene	ND	2	<	2
340	N-Nitrosodimethylamine	ND	30	<	30
341	N-Nitroso-di-n-propylamine	ND	2	<	2
342	Phenanthrene	ND	1	<	1
343	Pyrene	ND	2	<	2
344	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
345	2-Chlorophenol	ND	8	<	8
346	1,2,4-Trichlorobenzene	ND	3	<	3
347	2,4-Dichlorophenol	ND	3	<	3
348	2,4-Dimethylphenol	ND	3	<	3
349	2,4-Dinitrophenol	ND	39	<	39
350	2-Methyl-4,6-dinitrophenol	ND	17	<	17
351	2-Nitrophenol	ND	5	<	5
352	4-Nitrophenol	ND	6	<	6
353	4-Chloro-3-methylphenol	ND	2	<	2
354	Pentachlorophenol	ND	16	<	16
355	Phenol	ND	3	<	3
356	2,4,6-Trichlorophenol	ND	2	<	2
357	N-Nitrosodiphenylamine	ND	2	<	2

-----NOTE-----

DATA FILE: >Z9857 SAMPLE NAME: SJ 63873 LPULFSC35
 EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
 * FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 10B08S BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	62.01	100.00	62	27-119	OK
S02	Phenol-d5	67.70	100.00	68	23-111	UK
S03	Nitrobenzene-d5	44.19	50.00	88	62-122	OK
S04	Decafluorobiphen	37.25	50.00	75	-----	UK
S05	2-Fluorobiphenyl	47.01	50.00	94	56-124	OK
S06	2,4,6-Tribromoph	98.16	100.00	98	40-150	OK
S07	p-Terphenyl-d14	50.66	50.00	101	37-133	OK

^
|
|
Initial Volume is 1000 ML

DATA FILE: ^Z9857 ^Z9854
 ^ ^
 | |
 | |
 | |
 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	7282	3749	7497	14994	OK
S21 Naphthalene-d8	30184	17578	35155	70310	OK
S22 Acenaphthene-d10	24196	12861	25721	51442	OK
S23 Phenanthrene-d10	53834	29758	59516	119032	OK
S24 Chrysene-d12	67420	37839	75677	151354	OK
S25 Perylene-d12	77991	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.24	6.72	7.22	7.72	OK
S21 Naphthalene-d8	10.41	9.92	10.42	10.92	OK
S22 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK
S23 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK
S24 Chrysene-d12	24.91	24.41	24.91	25.41	OK
S25 Perylene-d12	28.30	27.81	28.31	28.81	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9858 QUANT DATE: 9310281538 INJ TIME: 9310281502
 SAMPLE NAME: SJ 63874 LPULFSC36
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 4
 LASTEDIT FILE TIME: 3:41 PM THU., 28 OCT., 1993

ANALYZED BY: [Signature] VERIFIED BY: [Signature]

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexachloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	Isophorone	NO	3	<	3
338	Naphthalene	NO	2	<	2
339	Nitrobenzene	NO	2	<	2
340	N-Nitrosodimethylamine	NO	30	<	30
341	N-Nitroso-di-n-propylamine	NO	2	<	2
342	Phenanthrene	NO	1	<	1
343	Pyrene	NO	2	<	2
344	1,2,3,4-TCDD (2,3,7,8)	NO	3	<	3
345	2-Chlorophenol	NO	8	<	8
346	1,2,4-Trichlorobenzene	NO	3	<	3
347	2,4-Dichlorophenol	NO	3	<	3
348	2,4-Dimethylphenol	NO	3	<	3
349	2,4-Dinitrophenol	NO	39	<	39
350	2-Methyl-4,6-dinitrophenol	NO	17	<	17
351	2-Nitrophenol	NO	5	<	5
352	4-Nitrophenol	NO	6	<	6
353	4-Chloro-3-methylphenol	NO	2	<	2
354	Pentachlorophenol	NO	16	<	16
355	Phenol	NO	3	<	3
356	2,4,6-Trichlorophenol	NO	2	<	2
357	N-Nitrosodiphenylamine	NO	2	<	2

=====NOTE=====

DATA FILE: >Z9858 SAMPLE NAME: SJ 63874 LPULFSC36
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 108085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	70.98	100.00	71	27-119	OK
S02	Phenol-d5	77.93	100.00	78	23-111	OK
S03	Nitrobenzene-d5	39.89	50.00	80	62-122	OK
S04	Decafluorobiphen	32.57	50.00	65	-----	OK
S05	2-Fluorobiphenyl	43.64	50.00	87	56-124	OK
S06	2,4,6-Tribromoph	95.84	100.00	96	40-150	OK
S07	p-Terphenyl-d14	45.19	50.00	90	37-133	OK

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Initial Volume is 1000 ML

DATA FILE: ^Z9858 ^Z9854
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SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	6929	3749	7497	14994	OK
S21 Naphthalene-d8	29731	17578	35155	70310	OK
S22 Acenaphthene-d10	24593	12861	25721	51442	OK
S23 Phenanthrene-d10	56641	29758	59516	119032	OK
S24 Chrysene-d12	72787	37839	75677	151354	OK
S25 Perylene-d12	81390	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.24	6.72	7.22	7.72	OK
S21 Naphthalene-d8	10.41	9.92	10.42	10.92	OK
S22 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK
S23 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK
S24 Chrysene-d12	24.92	24.41	24.91	25.41	OK
S25 Perylene-d12	28.31	27.81	28.31	28.81	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9859 QUANT DATE: 9310281625 INJ TIME: 9310281550

SAMPLE NAME: SJ 63875 LPULFSC37

WISC: 1000S931008 931004 IS#12 SUR#25

BTL# 5

LASTEDIT FILE TIME: 4:28 PM THU., 28 OCT., 1993

ANALYZED BY: Alison Chry

VERIFIED BY: Rudi Schneider

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337 Isophorone	ND	3	<	3
338 Naphthalene	ND	2	<	2
339 Nitrobenzene	ND	2	<	2
340 N-Nitrosodimethylamine	ND	30	<	30
341 N-Nitroso-di-n-propylamine	ND	2	<	2
342 Phenanthrene	ND	1	<	1
343 Pyrene	ND	2	<	2
344 1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
345 2-Chlorophenol	ND	8	<	8
346 1,2,4-Trichlorobenzene	ND	3	<	3
347 2,4-Dichlorophenol	ND	3	<	3
348 2,4-Dimethylphenol	ND	3	<	3
349 2,4-Dinitrophenol	ND	39	<	39
350 2-Methyl-4,6-dinitrophenol	ND	17	<	17
351 2-Nitrophenol	ND	5	<	5
352 4-Nitrophenol	ND	6	<	6
353 4-Chloro-3-methylphenol	ND	2	<	2
354 Pentachlorophenol	ND	16	<	16
355 Phenol	ND	3	<	3
356 2,4,6-Trichlorophenol	ND	2	<	2
357 N-Nitrosodiphenylamine	ND	2	<	2

-----NOTE-----

DATA FILE: >Z9859 SAMPLE NAME: SJ 63875 LPULFSC37
 EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
 * FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 108085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT	AMOUNT	RECU	RECU	MRK
	FOUND	SPKD		RANGE	
	IN	IN	(%)	(%)	
	SAMPLE	SAMPLE			
	(ug/L)	(ug/L)			
S01 2-Fluorophenol	86.76	100.00	87	27-119	OK
S02 Phenol-d5	85.59	100.00	86	23-111	OK
S03 Nitrobenzene-d5	43.01	50.00	86	62-122	OK
S04 Decafluorobiphen	30.20	50.00	60	-----	OK
S05 2-Fluorobiphenyl	45.23	50.00	90	56-124	OK
S06 2,4,6-Tribromoph	86.46	100.00	86	40-190	OK
S07 p-Terphenyl-d14	43.95	50.00	88	37-133	OK

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Initial Volume is 1000 ML

DATA FILE: ^Z9859 ^Z9854
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 | |
 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
520 1,4-Dichlorobenzon	6929	3749	7497	14994	OK
521 Naphthalene-d8	29880	17578	35155	70310	OK
522 Acenaphthene-d10	23025	12861	25721	51442	OK
523 Phenanthrene-d10	58178	29758	59516	119032	OK
524 Chrysene-d12	69248	37839	75677	151354	OK
525 Perylene-d12	79273	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I				MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)		
520 1,4-Dichlorobenzon	7.27	6.72	7.22	7.72	OK	
521 Naphthalene-d8	10.44	9.92	10.42	10.92	OK	
522 Acenaphthene-d10	14.80	14.26	14.76	15.26	OK	
523 Phenanthrene-d10	18.42	17.89	18.39	18.89	OK	
524 Chrysene-d12	24.95	24.41	24.91	25.41	OK	
525 Perylene-d12	28.35	27.81	28.31	28.81	OK	

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9860 QUANT DATE: 9310281713 INJ TIME: 9310281637
 SAMPLE NAME: SJ 63876 LPULFSC38
 DISC: 1000S931008 931004 IS#12 SUR#25 BTL# 6
 LASTEDIT FILE TIME: 5:16 PM THU., 28 OCT., 1993

ANALYZED BY: *Alonso*

VERIFIED BY: *Reck Schneider*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchlor1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	Isophorone	NO	3	<	3
338	Naphthalene	NO	2	<	2
339	Nitrobenzene	NO	2	<	2
340	N-Nitrosodimethylamine	NO	30	<	30
341	N-Nitroso-di-n-propylamine	NO	2	<	2
342	Phenanthrene	NO	1	<	1
343	Pyrene	NO	2	<	2
344	1,2,3,4-TCDD (2,3,7,8)	NO	3	<	3
345	2-Chlorophenol	NO	8	<	8
346	1,2,4-Trichlorobenzene	NO	3	<	3
347	2,4-Dichlorophenol	NO	3	<	3
348	2,4-Dimethylphenol	NO	3	<	3
349	2,4-Dinitrophenol	NO	39	<	39
350	2-Methyl-4,6-dinitrophenol	NO	17	<	17
351	2-Nitrophenol	NO	5	<	5
352	4-Nitrophenol	NO	6	<	6
353	4-Chloro-3-methylphenol	NO	2	<	2
354	Pentachlorophenol	NO	16	<	16
355	Phenol	NO	3	<	3
356	2,4,6-Trichlorophenol	NO	2	<	2
357	N-Nitrosodiphenylamine	NO	2	<	2

=====NOTE=====

DATA FILE: >Z9860 SAMPLE NAME: SJ 63876 LPULFSC38
 EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
 * FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 108085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	80.78	100.00	81	27-119	OK
S02	Phenol-d5	90.92	100.00	91	23-111	OK
S03	Nitrobenzene-d5	41.33	50.00	83	62-122	OK
S04	Decafluorobiphen	34.97	50.00	70	-----	OK
S05	2-Fluorobiphenyl	53.12	50.00	106	56-124	OK
S06	2,4,6-Tribromoph	76.03	100.00	76	40-150	OK
S07	p-Terphenyl-d14	48.77	50.00	98	37-133	OK

Initial Volume is 1000 ML

DATA FILE: ^Z9860 ^Z9854
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 | |
 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
320 1,4-Dichlorobenzen	6786	3749	7497	14994	OK
321 Naphthalene-d8	30542	17578	35155	70310	OK
322 Acenaphthene-d10	21392	12861	25721	51442	OK
323 Phenanthrene-d10	55119	29758	59516	119032	OK
324 Chrysene-d12	65652	37839	75677	151354	OK
325 Perylene-d12	76977	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	STANDARD				MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)		
320 1,4-Dichlorobenzen	7.24	6.72	7.22	7.72	OK	
321 Naphthalene-d8	10.42	9.92	10.42	10.92	OK	
322 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK	
323 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK	
324 Chrysene-d12	24.91	24.41	24.91	25.41	OK	
325 Perylene-d12	28.32	27.81	28.31	28.81	OK	

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9861 QUANT DATE: 9310281800 INJ TIME: 9310281725
 SAMPLE NAME: SJ 63877 LPULFSC39
 1ISC: 1000S931008 931004 IS#12 SUR#25 BTL# 7
 LASTEDIT FILE TIME: 6:03 PM THU., 28 OCT., 1993

ANALYZED BY: *Alonso*

VERIFIED BY: *Rude Schneider*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchlor1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337 Isophorone	ND	3	<	3
338 Naphthalene	ND	2	<	2
339 Nitrobenzene	ND	2	<	2
340 N-Nitrosodimethylamine	ND	30	<	30
341 N-Nitroso-di-n-propylamine	ND	2	<	2
342 Phenanthrene	ND	1	<	1
343 Pyrene	ND	2	<	2
344 1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
345 2-Chlorophenol	ND	8	<	8
346 1,2,4-Trichlorobenzene	ND	3	<	3
347 2,4-Dichlorophenol	ND	3	<	3
348 2,4-Dimethylphenol	ND	3	<	3
349 2,4-Dinitrophenol	ND	39	<	39
350 2-Methyl-4,6-dinitrophenol	ND	17	<	17
351 2-Nitrophenol	ND	5	<	5
352 4-Nitrophenol	ND	6	<	6
353 4-Chloro-3-methylphenol	ND	2	<	2
354 Pentachlorophenol	ND	16	<	16
355 Phenol	ND	3	<	3
356 2,4,6-Trichlorophenol	ND	2	<	2
357 N-Nitrosodiphenylamine	ND	2	<	2

-----NOTE-----

DATA FILE: >Z9861 SAMPLE NAME: SJ 63877 LPULFSC39
 EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
 * FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 108085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK
S01 2-Fluorophenol	83.37	100.00	83	27-119	OK
S02 Phenol-d5	89.77	100.00	90	23-111	OK
S03 Nitrobenzene-d5	39.68	50.00	79	62-122	OK
S04 Decafluorobiphen	33.99	50.00	68	-----	OK
S05 2-Fluorobiphenyl	44.32	50.00	89	56-124	OK
S06 2,4,6-Tribromoph	88.93	100.00	89	40-190	OK
S07 p-Terphenyl-d14	46.39	50.00	93	37-133	OK

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 Initial Volume is 1000 ML

DATA FILE: ^Z9861 ^Z9854
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 | |
 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	6603	3749	7497	14994	OK
S21 Naphthalene-d8	30749	17578	35155	70310	OK
S22 Acenaphthene-d10	24323	12861	25721	51442	OK
S23 Phenanthrene-d10	59510	29758	59516	119032	OK
S24 Chrysene-d12	70627	37839	75677	151354	OK
S25 Perylene-d12	78490	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	STANDARD			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.24	6.72	7.22	7.72	OK
S21 Naphthalene-d8	10.41	9.92	10.42	10.92	OK
S22 Acenaphthene-d10	14.76	14.26	14.76	15.26	OK
S23 Phenanthrene-d10	18.39	17.89	18.39	18.89	OK
S24 Chrysene-d12	24.92	24.41	24.91	25.41	OK
S25 Perylene-d12	28.31	27.81	28.31	28.81	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9862 QUANT DATE: 9310281847 INJ TIME: 9310281812
 SAMPLE NAME: SJ 63878 LPULFSC40
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 8
 LASTEDIT FILE TIME: 6:51 PM THU., 28 OCT., 1993

ANALYZED BY: Mrs. Chant VERIFIED BY: Reed E. Medina

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(B)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	Isophorone	ND	3	<	3
338	Naphthalene	ND	2	<	2
339	Nitrobenzene	ND	2	<	2
340	N-Nitrosodimethylamine	ND	30	<	30
341	N-Nitroso-di-n-propylamine	ND	2	<	2
342	Phenanthrene	ND	1	<	1
343	Pyrene	ND	2	<	2
344	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
345	2-Chlorophenol	ND	8	<	8
346	1,2,4-Trichlorobenzene	ND	3	<	3
347	2,4-Dichlorophenol	ND	3	<	3
348	2,4-Dimethylphenol	ND	3	<	3
349	2,4-Dinitrophenol	ND	39	<	39
350	2-Methyl-4,6-dinitrophenol	ND	17	<	17
351	2-Nitrophenol	ND	5	<	5
352	4-Nitrophenol	ND	6	<	6
353	4-Chloro-3-methylphenol	ND	2	<	2
354	Pentachlorophenol	ND	16	<	16
355	Phenol	ND	3	<	3
356	2,4,6-Trichlorophenol	ND	2	<	2
357	N-Nitrosodiphenylamine	ND	2	<	2

=====NOTE=====

DATA FILE: >Z9862 SAMPLE NAME: SJ 63878 LPULFSC40
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 10B08S EBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	96.26	100.00	96	27-119	OK
S02	Phenol-d5	100.37	100.00	100	23-111	OK
S03	Nitrobenzene-d5	49.08	50.00	86	62-122	OK
S04	Decafluorobiphen	39.18	50.00	78	-----	OK
S05	2-Fluorobiphenyl	50.91	50.00	102	56-124	OK
S06	2,4,6-Tribromoph	96.65	100.00	97	40-150	OK
S07	p-Terphenyl-d14	52.00	50.00	104	37-133	OK

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Initial Volume is 1000 ML

DATA FILE: ^Z9862 ^Z9854
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 | |
 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
20 1,4-Dichlorobenzen	6724	3749	7497	14994	OK
21 Naphthalene-d8	30683	17578	35155	70310	OK
22 Acenaphthene-d10	23435	12861	25721	51442	OK
23 Phenanthrene-d10	58223	29758	59516	119032	OK
24 Chrysene-d12	70265	37839	75677	151354	OK
25 Perylene-d12	79687	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I				MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)		
20 1,4-Dichlorobenzen	7.23	6.72	7.22	7.72	OK	
21 Naphthalene-d8	10.42	9.92	10.42	10.92	OK	
22 Acenaphthene-d10	14.76	14.26	14.76	15.26	OK	
23 Phenanthrene-d10	18.39	17.89	18.39	18.89	OK	
24 Chrysene-d12	24.90	24.41	24.91	25.41	OK	
25 Perylene-d12	28.32	27.81	28.31	28.81	OK	

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9863 QUANT DATE: 9310281935 INJ TIME: 9310281859
 SAMPLE NAME: SJ 63879 LPVLFSC41
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 9
 LASTEDIT FILE TIME: 7:38 PM THU., 28 OCT., 1993

ANALYZED BY: Alonso VERIFIED BY: Reed Schneider

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro,1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

837	Isophorone	ND	3	<	3
838	Naphthalene	ND	2	<	2
839	Nitrobenzene	ND	2	<	2
840	N-Nitrosodimethylamine	ND	30	<	30
841	N-Nitroso-di-n-propylamine	ND	2	<	2
842	Phenanthrene	ND	1	<	1
843	Pyrene	ND	2	<	2
844	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
845	2-Chlorophenol	ND	8	<	8
846	1,2,4-Trichlorobenzene	ND	3	<	3
847	2,4-Dichlorophenol	ND	3	<	3
848	2,4-Dimethylphenol	ND	3	<	3
849	2,4-Dinitrophenol	ND	39	<	39
850	2-Methyl-4,6-dinitrophenol	ND	17	<	17
851	2-Nitrophenol	ND	5	<	5
852	4-Nitrophenol	ND	6	<	6
853	4-Chloro-3-methylphenol	ND	2	<	2
854	Pentachlorophenol	ND	16	<	16
855	Phenol	ND	3	<	3
856	2,4,6-Trichlorophenol	ND	2	<	2
857	N-Nitrosodiphenylamine	ND	2	<	2

-----NOTE-----

DATA FILE: >29863 SAMPLE NAME: SJ 63879 LPULFSC41
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 < VALUE < MOL

BLANK DATA FILE: >29855 SAMPLE NAME: SJ 108085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	REC'D (%)	REC'D RANGE (%)	MRK	
S01	2-Fluorophenol	91.48	100.00	91	27-119	OK
S02	Phenol-d5	97.85	100.00	98	23-111	OK
S03	Nitrobenzene-d5	40.82	50.00	82	62-122	OK
S04	Decafluorobiphen	37.22	50.00	74	-----	OK
S05	2-Fluorobiphenyl	46.69	50.00	93	56-124	OK
S06	2,4,6-Tribromoph	96.55	100.00	97	40-150	OK
S07	p-Terphenyl-d14	91.24	90.00	102	37-133	OK

Initial Volume is 1000 ML

DATA FILE: ^29863 ^29854
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 | |
SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	6649	3324.5	7497	14994	OK
S21 Naphthalene-d8	30128	15064	35155	70310	OK
S22 Acenaphthene-d10	25551	12775.5	25721	51442	OK
S23 Phenanthrene-d10	57826	28913	59516	119032	OK
S24 Chrysene-d12	70545	35272.5	75677	151354	OK
S25 Perylene-d12	82013	41006.5	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.23	6.72	7.22	7.72	OK
S21 Naphthalene-d8	10.42	9.92	10.42	10.92	OK
S22 Acenaphthene-d10	14.76	14.26	14.76	15.26	OK
S23 Phenanthrene-d10	18.39	17.89	18.39	18.89	OK
S24 Chrysene-d12	24.91	24.41	24.91	25.41	OK
S25 Perylene-d12	28.32	27.81	28.31	28.81	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9864 QUANT DATE: 9310282021 INJ TIME: 9310281945
 SAMPLE NAME: SJ 63880 LPULFSC42
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL#10
 LASTEDIT FILE TIME: 8:25 PM THU., 28 OCT., 1993

ANALYZED BY: *[Signature]*

VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	2	< 2
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro(1,3)cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	Isophorone	ND	3	<	3
338	Naphthalene	ND	2	<	2
339	Nitrobenzene	ND	2	<	2
340	N-Nitrosodimethylamine	ND	30	<	30
341	N-Nitroso-di-n-propylamine	ND	2	<	2
342	Phenanthrene	ND	1	<	1
343	Pyrene	ND	2	<	2
344	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
345	2-Chlorophenol	ND	8	<	8
346	1,2,4-Trichlorobenzene	ND	3	<	3
347	2,4-Dichlorophenol	ND	3	<	3
348	2,4-Dimethylphenol	ND	3	<	3
349	2,4-Dinitrophenol	ND	39	<	39
350	2-Methyl-4,6-dinitrophenol	ND	17	<	17
351	2-Nitrophenol	ND	5	<	5
352	4-Nitrophenol	ND	6	<	6
353	4-Chloro-3-methylphenol	ND	2	<	2
354	Pentachlorophenol	ND	16	<	16
355	Phenol	ND	3	<	3
356	2,4,6-Trichlorophenol	ND	2	<	2
357	N-Nitrosodiphenylamine	ND	2	<	2

-----NOTE-----

DATA FILE: >Z9864 SAMPLE NAME: SJ 63880 LPULFSC42
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 10808S BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT	AMOUNT	RECU	RECU	MRK	
	FOUND	SPKD		RANGE		
	IN	IN	(%)	(%)		
	SAMPLE	SAMPLE				
	(ug/L)	(ug/L)				
S01	2-Fluorophenol	90.34	100.00	90	27-119	OK
S02	Phenol-d5	94.68	100.00	95	23-111	OK
S03	Nitrobenzene-d5	44.41	50.00	89	67-122	OK
S04	Decafluorobiphen	39.18	50.00	78	-----	OK
S05	2-Fluorobiphenyl	47.34	50.00	95	56-124	OK
S06	2,4,6-Tribromoph	97.47	100.00	97	40-150	OK
S07	p-Terphenyl-d14	48.48	50.00	97	37-133	OK

Initial Volume is 1000 ML

DATA FILE: ^Z9864 ^Z9854
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 | |
 | |
SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	6547	3274	7497	14994	OK
S21 Naphthalene-d8	29591	14795	35155	70310	OK
S22 Acenaphthene-d10	24586	12293	25721	51442	OK
S23 Phenanthrene-d10	55453	27726	59516	119032	OK
S24 Chrysene-d12	69194	34597	75677	151354	OK
S25 Perylene-d12	78066	39033	92266	184532	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I				MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)		
S20 1,4-Dichlorobenzen	7.24	6.72	7.22	7.72	OK	
S21 Naphthalene-d8	10.41	9.92	10.42	10.92	OK	
S22 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK	
S23 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK	
S24 Chrysene-d12	24.92	24.41	24.91	25.41	OK	
S25 Perylene-d12	28.31	27.81	28.31	28.81	OK	

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9869 QUANT DATE: 9310282108 INJ TIME: 9310282032
 SAMPLE NAME: SJ 63881 LPVLFSC43
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL#11
 LASTEDIT FILE TIME: 9:13 PM THU., 28 OCT., 1993

ANALYZED BY: Alma Chao VERIFIED BY: Rudolf Schneider

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenyphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	9	< 9
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

337	Isophorone	ND	3	<	3
338	Naphthalene	ND	2	<	2
339	Nitrobenzene	ND	2	<	2
340	N-Nitrosodimethylamine	ND	30	<	30
341	N-Nitroso-di-n-propylamine	ND	2	<	2
342	Phenanthrene	ND	1	<	1
343	Pyrene	ND	2	<	2
344	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
345	2-Chlorophenol	ND	8	<	8
346	1,2,4-Trichlorobenzene	ND	3	<	3
347	2,4-Dichlorophenol	ND	3	<	3
348	2,4-Dimethylphenol	ND	3	<	3
349	2,4-Dinitrophenol	ND	39	<	39
350	2-Methyl-4,6-dinitrophenol	ND	17	<	17
351	2-Nitrophenol	ND	5	<	5
352	4-Nitrophenol	ND	6	<	6
353	4-Chloro-3-methylphenol	ND	2	<	2
354	Pentachlorophenol	ND	16	<	16
355	Phenol	ND	3	<	3
356	2,4,6-Trichlorophenol	ND	2	<	2
357	N-Nitrosodiphenylamine	ND	2	<	2

=====NOTE=====

DATA FILE: >Z9865 SAMPLE NAME: SJ 63881 LPULFSC43
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 =< VALUE < MOL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 106085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	91.49	100.00	91	27-119	OK
S02	Phenol-d5	94.99	100.00	95	23-111	OK
S03	Nitrobenzene-d5	45.26	50.00	91	62-122	OK
S04	Decafluorobiphen	38.72	50.00	77	-----	OK
S05	2-Fluorobiphenyl	48.38	50.00	97	56-124	OK
S06	2,4,6-Tribromoph	109.61	100.00	110	40-150	OK
S07	p-Terphenyl-d14	48.22	50.00	96	37-133	OK

Initial Volume is 1000 ML

DATA FILE: ^Z9865 ^Z9854
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 | |
SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
520 1,4-Dichlorobenzen	7393	3749	7497	14994	OK
521 Naphthalene-d8	31606	17578	35155	70310	OK
522 Acenaphthene-d10	26317	12861	25721	51442	OK
523 Phenanthrene-d10	60124	29758	59516	119032	OK
524 Chrysene-d12	74938	37839	75677	151354	OK
525 Perylene-d12	86711	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE RT (MIN)	I-----STANDARD-----I				MRK
		RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)		
520 1,4-Dichlorobenzen	7.23	6.72	7.22	7.72	OK	
521 Naphthalene-d8	10.42	9.92	10.42	10.92	OK	
522 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK	
523 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK	
524 Chrysene-d12	24.92	24.41	24.91	25.41	OK	
525 Perylene-d12	28.31	27.81	28.31	28.81	OK	

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9866 QUANT DATE: 9310282154 INJ TIME: 9310282118

SAMPLE NAME: SJ 63882 LPULFSC44

MISC: 1000S931008 931004 IS#12 SUR#25

BTL#12

LASTEDIT FILE TIME: 9:57 PM THU., 28 OCT., 1993

ANALYZED BY: *[Signature]*

VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

837	isophorone	ND	3	<	3
838	Naphthalene	ND	2	<	2
839	Nitrobenzene	ND	2	<	2
840	N-Nitrosodimethylamine	ND	30	<	30
841	N-Nitroso-di-n-propylamine	ND	2	<	2
842	Phenanthrene	ND	1	<	1
843	Pyrene	ND	2	<	2
844	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
845	2-Chlorophenol	ND	8	<	8
846	1,2,4-Trichlorobenzene	ND	3	<	3
847	2,4-Dichlorophenol	ND	3	<	3
848	2,4-Dimethylphenol	ND	3	<	3
849	2,4-Dinitrophenol	ND	39	<	39
850	2-Methyl-4,6-dinitrophenol	ND	17	<	17
851	2-Nitrophenol	ND	5	<	5
852	4-Nitrophenol	ND	6	<	6
853	4-Chloro-3-methylphenol	ND	2	<	2
854	Pentachlorophenol	ND	16	<	16
855	Phenol	ND	3	<	3
856	2,4,6-Trichlorophenol	ND	2	<	2
857	N-Nitrosodiphenylamine	ND	2	<	2

-----NOTE-----

DATA FILE: >Z9866 SAMPLE NAME: SJ 63882 LPULFSC44
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-28-93
* FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9855 SAMPLE NAME: SJ 108085 BBLANK

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT		RECU (%)	RECU RANGE (%)	MRK	
	FOUND IN SAMPLE (ug/L)	SPKD IN SAMPLE (ug/L)				
S01	2-Fluorophenol	89.23	100.00	89	27-119	OK
S02	Phenol-d5	90.55	100.00	91	23-111	OK
S03	Nitrobenzene-d9	41.70	50.00	83	62-122	OK
S04	Decafluorobiphen	38.20	50.00	76	-----	OK
S05	2-Fluorobiphenyl	45.32	50.00	91	56-124	OK
S06	2,4,6-Tribromoph	102.64	100.00	103	40-150	OK
S07	p-Terphenyl-d14	47.01	50.00	94	37-133	OK

Initial Volume is 1000 ML

DATA FILE: ^Z9866 ^Z9854
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SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	7446	3749	7497	14994	OK
S21 Naphthalene-d8	32558	17578	35155	70310	OK
S22 Acenaphthene-d10	27301	12861	25721	51442	OK
S23 Phenanthrene-d10	60198	29758	59516	119032	OK
S24 Chrysene-d12	76341	37839	75677	151354	OK
S25 Perylene-d12	87956	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	STANDARD		MRK	
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)		RT+0.5 (MIN)
S20 1,4-Dichlorobenzen	7.25	6.72	7.22	7.72	OK
S21 Naphthalene-d8	10.42	9.92	10.42	10.92	OK
S22 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK
S23 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK
S24 Chrysene-d12	24.91	24.41	24.91	25.41	OK
S25 Perylene-d12	28.31	27.81	28.31	28.81	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9867 QUANT DATE: 9310282240 INJ TIME: 9310282204
 SAMPLE NAME: SJ 63883 LPULFSC45
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL#13
 LASTEDIT FILE TIME: 10:43 PM THU., 28 OCT., 1993

ANALYZED BY: *[Signature]* VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	2	< 2
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
320 1,4-Dichlorobenzen	7335	3749	7497	14994	OK
321 Naphthalene-d8	33630	17578	35155	70310	OK
322 Acenaphthene-d10	26718	12861	25721	51442	OK
323 Phenanthrene-d10	59534	29758	59516	119032	OK
324 Chrysene-d12	77334	37839	75677	151354	OK
325 Perylene-d12	87626	46133	92266	184532	OK

INTERNAL STANDARD	SAMPLE	STANDARD		MRK	
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)		RT+0.5 (MIN)
320 1,4-Dichlorobenzen	7.24	6.72	7.22	7.72	OK
321 Naphthalene-d8	10.41	9.92	10.42	10.92	OK
322 Acenaphthene-d10	14.75	14.26	14.76	15.26	OK
323 Phenanthrene-d10	18.38	17.89	18.39	18.89	OK
324 Chrysene-d12	24.92	24.41	24.91	25.41	OK
325 Perylene-d12	28.31	27.81	28.31	28.81	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SURROGATE SPIKES OF SAMPLES ANALYZED BY HP GC/MS

DATA FILE: >Z9870 QUANT DATE: 9310291412 INJ TIME: 9310291336
 SAMPLE NAME: SJ 63884 LPULFSC46N
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 1
 LAST EDIT FILE TIME: 11:27 AM WED., 15 DEC., 1993

JOB NO.	SPK1 UG/L	SPK2 UG/L	NSPK UG/L	NET UG/L	SPIKE	
					AMT UG/L	REC (%)
S01	38	74	84	65	100	65
S02	48	82	90	73	100	73
S03	20	41	45	35	50	70
S04	17	32	41	30	50	60
S05	30	45	53	42	50	85
S06	82	92	107	94	100	94
S07	39	43	55	46	50	91

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The spike amounts are calculated based on the initial volume of 1000 ml.

TEST CODE	SPK1 UG/L	SPK2 UG/L	NSPK UG/L	NET UG/L	SPK AMT UG/L	REC (%)	RANGE LIMITS (%)	MK	RPD	RPD LIMIT (%)	MK
800	24	36	ND	30	50	60	63-109	**	40	0-22	**
821	18	34	ND	26	50	52	48-115	OK	64	0-24	**
826	26	31	ND	29	50	57	57-124	OK	19	0-22	OK
841	ND	33	ND	16	50	33	56-117	**	200	0-29	**
843	33	34	ND	33	50	66	41-129	OK	4	0-18	OK
845	20	35	ND	27	50	55	57-104	**	54	0-23	**
846	19	37	ND	28	50	56	53-119	OK	63	0-26	**
852	21	ND	ND	11	50	21	49-128	**	200	0-21	**
853	26	40	ND	33	50	65	63-112	OK	43	0-27	**
854	30	30	ND	30	50	60	47-136	OK	2	0-30	OK
855	20	33	ND	27	50	53	45-113	OK	50	0-34	**

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THE RECOVERIES OF ALL SPIKED COMPOUNDS ARE OK IN QC CHECK STANDARD

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9870 QUANT DATE: 9310291412 INJ TIME: 9310291336
 SAMPLE NAME: SJ 63884 LPULFSC46N
 TISC: 1000S931008 931004 IS#12 SUR#25 BTL# 1
 LASTEDIT FILE TIME: 2:15 PM FRI., 29 OCT., 1993

ANALYZED BY: *[Signature]* VERIFIED BY: *[Signature]*

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	ND	2	< 2
801 Acenaphthylene	ND	2	< 2
802 Anthracene	ND	1	< 1
803 Benzidine	ND	62	< 62
804 Benzo(A)anthracene	ND	2	< 2
805 Benzo(A)pyrene	ND	7	< 7
806 Benzo(B)fluoranthene	ND	2	< 2
807 Benzo(G,H,I)perylene	ND	6	< 6
808 Benzo(K)fluoranthene	ND	2	< 2
809 Bis(2-chloroethoxy)methane	ND	3	< 3
810 Bis(2-chloroethyl)ether	ND	5	< 5
811 Bis(2chloroisopropyl)ether	ND	3	< 3
812 Bis(2-ethylhexyl)phthalate	ND	10	< 10
813 4-Bromophenylphenylether	ND	9	< 9
814 Butylbenzylphthalate	ND	3	< 3
815 2-Chloronaphthalene	ND	1	< 1
816 4-Chlorophenylphenylether	ND	2	< 2
817 Chrysene	ND	2	< 2
818 Dibenzo(A,H)anthracene	ND	6	< 6
819 1,2-Dichlorobenzene	ND	10	< 10
820 1,3-Dichlorobenzene	ND	10	< 10
821 1,4-Dichlorobenzene	ND	2	< 2
822 3,3-Dichlorobenzidine	ND	100	< 100
823 Diethylphthalate	ND	2	< 2
824 Dimethylphthalate	ND	3	< 3
825 Di-n-butylphthalate	ND	4	< 4
826 2,4-Dinitrotoluene	ND	3	< 3
827 2,6-Dinitrotoluene	ND	5	< 5
828 Di-n-octylphthalate	ND	5	< 5
829 1,2-Diphenylhydrazine	ND	1	< 1
830 Fluoranthene	ND	2	< 2
831 Fluorene	ND	2	< 2
832 Hexachlorobenzene	ND	1	< 1
833 Hexachlorobutadiene	ND	10	< 10
834 Hexchloro1,3cyclopentadiene	ND	100	< 100
835 Hexachloroethane	ND	12	< 12
836 Indeno(1,2,3-CD)pyrene	ND	6	< 6

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	9661	6820	13640	27280	OK
S21 Naphthalene-d8	40768	31508	63015	126030	OK
S22 Acenaphthene-d10	29663	21440	42880	85760	OK
S23 Phenanthrene-d10	68714	49140	98279	196558	OK
S24 Chrysene-d12	78754	54860	109720	219440	OK
S25 Perylene-d12	88224	64508	129015	258030	OK

INTERNAL STANDARD	SAMPLE	I-----STANDARD-----I			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.63	7.13	7.63	8.13	OK
S21 Naphthalene-d8	10.79	10.30	10.80	11.30	OK
S22 Acenaphthene-d10	15.14	14.66	15.16	15.66	OK
S23 Phenanthrene-d10	18.79	18.30	18.80	19.30	OK
S24 Chrysene-d12	25.35	24.89	25.39	25.89	OK
S25 Perylene-d12	28.92	28.46	28.96	29.46	OK

NOTES TO THE USERS:

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9871 QUANT DATE: 9310291459 INJ TIME: 9310291423
 SAMPLE NAME: SJ 63884 LPULFSC46S
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL#_2
 LASTEDIT FILE TIME: 3:02 PM FRI., 29 OCT., 1993

ANALYZED BY: [Signature] VERIFIED BY: [Signature]

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	24.16	2	24
801 Acenaphthylene	ND	2 <	2
802 Anthracene	ND	1 <	1
803 Benzidine	ND	62 <	62
804 Benzo(A)anthracene	ND	2 <	2
805 Benzo(A)pyrene	ND	7 <	7
806 Benzo(B)fluoranthene	ND	2 <	2
807 Benzo(G,H,I)perylene	ND	6 <	6
808 Benzo(K)fluoranthene	ND	2 <	2
809 Bis(2-chloroethoxy)methane	ND	3 <	3
810 Bis(2-chloroethyl)ether	ND	5 <	5
811 Bis(2chloroisopropyl)ether	ND	3 <	3
812 Bis(2-ethylhexyl)phthalate	ND	10 <	10
813 4-Bromophenylphenylether	ND	9 <	9
814 Butylbenzylphthalate	ND	3 <	3
815 2-Chloronaphthalene	ND	1 <	1
816 4-Chlorophenylphenylether	ND	2 <	2
817 Chrysene	ND	2 <	2
818 Dibenzo(A,H)anthracene	ND	6 <	6
819 1,2-Dichlorobenzene	ND	10 <	10
820 1,3-Dichlorobenzene	ND	10 <	10
821 1,4-Dichlorobenzene	17.73	2	18
822 3,3-Dichlorobenzidine	ND	100 <	100
823 Diethylphthalate	ND	2 <	2
824 Dimethylphthalate	ND	3 <	3
825 Di-n-butylphthalate	ND	4 <	4
826 2,4-Dinitrotoluene	25.88	3	26
827 2,6-Dinitrotoluene	ND	5 <	5
828 Di-n-octylphthalate	ND	5 <	5
829 1,2-Diphenylhydrazine	ND	1 <	1
830 Fluoranthene	ND	2 <	2
831 Fluorene	ND	2 <	2
832 Hexachlorobenzene	ND	1 <	1
833 Hexachlorobutadiene	ND	10 <	10
834 Hexchlor1,3cyclopentadiene	ND	100 <	100
835 Hexachloroethane	ND	12 <	12
836 Indeno(1,2,3-CD)pyrene	ND	6 <	6

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
S20 1,4-Dichlorobenzen	11530	6820	13640	27280	OK
S21 Naphthalene-d8	51608	31508	63015	126030	OK
S22 Acenaphthene-d10	35416	21440	42880	85760	OK
S23 Phenanthrene-d10	85023	49140	98279	196558	OK
S24 Chrysene-d12	104592	54860	109720	219440	OK
S25 Perylene-d12	122697	64508	129015	258030	OK

INTERNAL STANDARD	SAMPLE	-----STANDARD-----			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
S20 1,4-Dichlorobenzen	7.62	7.13	7.63	8.13	OK
S21 Naphthalene-d8	10.80	10.30	10.80	11.30	OK
S22 Acenaphthene-d10	15.15	14.66	15.16	15.66	OK
S23 Phenanthrene-d10	18.79	18.30	18.80	19.30	OK
S24 Chrysene-d12	25.35	24.89	25.39	25.89	OK
S25 Perylene-d12	28.94	28.46	28.96	29.46	OK

The output from LU 6 has been sucessfully spooled into the file called 029871 .

SAN JOSE CREEK WATER QUALITY LABORATORY

REPORT OF SAMPLE ANALYZED BY HP GC/MS

DATA FILE: >Z9872 QUANT DATE: 9310291546 INJ TIME: 9310291510
 SAMPLE NAME: SJ 63884 LPULFSC46D
 MISC: 1000S931008 931004 IS#12 SUR#25 BTL# 3
 LASTEDIT FILE TIME: 3:49 PM FRI., 29 OCT., 1995

ANALYZED BY: [Signature] VERIFIED BY: [Signature]

TEST COMPOUND CODE #	AMOUNT FOUND IN SAMPLE (ug/L)	METHOD DETECTION LIMIT (ug/L)	IBM DATA ENTRY (ug/L)
800 Acenaphthene	36.14	2	36
801 Acenaphthylene	ND	2 <	2
802 Anthracene	ND	1 <	1
803 Benzidine	ND	62 <	62
804 Benzo(A)anthracene	ND	2 <	2
805 Benzo(A)pyrene	ND	7 <	7
806 Benzo(B)fluoranthene	ND	2 <	2
807 Benzo(G,H,I)perylene	ND	6 <	6
808 Benzo(K)fluoranthene	ND	2 <	2
809 Bis(2-chloroethoxy)methane	ND	3 <	3
810 Bis(2-chloroethyl)ether	ND	5 <	5
811 Bis(2chloroisopropyl)ether	ND	3 <	3
812 Bis(2-ethylhexyl)phthalate	ND	10 <	10
813 4-Bromophenylphenylether	ND	9 <	9
814 Butylbenzylphthalate	ND	3 <	3
815 2-Chloronaphthalene	ND	1 <	1
816 4-Chlorophenylphenylether	ND	2 <	2
817 Chrysene	ND	2 <	2
818 Dibenzo(A,H)anthracene	ND	6 <	6
819 1,2-Dichlorobenzene	ND	10 <	10
820 1,3-Dichlorobenzene	ND	10 <	10
821 1,4-Dichlorobenzene	34.37	2	34
822 3,3-Dichlorobenzidine	ND	100 <	100
823 Diethylphthalate	ND	2 <	2
824 Dimethylphthalate	ND	3 <	3
825 Di-n-butylphthalate	ND	4 <	4
826 2,4-Dinitrotoluene	31.24	3	31
827 2,6-Dinitrotoluene	ND	5 <	5
828 Di-n-octylphthalate	ND	5 <	5
829 1,2-Diphenylhydrazine	ND	1 <	1
830 Fluoranthene	ND	2 <	2
831 Fluorene	ND	2 <	2
832 Hexachlorobenzene	ND	1 <	1
833 Hexachlorobutadiene	ND	10 <	10
834 Hexchloro1,3cyclopentadiene	ND	100 <	100
835 Hexachloroethane	ND	12 <	12
836 Indeno(1,2,3-CD)pyrene	ND	6 <	6

837	Isophorone	ND	3	<	3
838	Naphthalene	ND	2	<	2
839	Nitrobenzene	ND	2	<	2
840	N-Nitrosodimethylamine	ND	30	<	30
841	N-Nitroso-di-n-propylamine	32.50	2		33
842	Phenanthrene	ND	1	<	1
843	Pyrene	33.79	2		34
844	1,2,3,4-TCDD (2,3,7,8)	ND	3	<	3
845	2-Chlorophenol	34.79	8		35
846	1,2,4-Trichlorobenzene	37.19	3		37
847	2,4-Dichlorophenol	ND	3	<	3
848	2,4-Dimethylphenol	ND	3	<	3
849	2,4-Dinitrophenol	ND	39	<	39
850	2-Methyl-4,6-dinitrophenol	ND	17	<	17
851	2-Nitrophenol	ND	5	<	5
852	4-Nitrophenol	ND	6	<	6
853	4-Chloro-3-methylphenol	39.78	2		40
854	Pentachlorophenol	30.18	16		30
855	Phenol	33.21	3		33
856	2,4,6-Trichlorophenol	ND	2	<	2
857	N-Nitrosodiphenylamine	ND	2	<	2

=====NOTE=====

DATA FILE: >Z9872 SAMPLE NAME: SJ 63884 LPULFSC46D
EXTRACTION DATE: 10-08-93 INJECTION DATE: 10-29-93
* FOOTNOTE #37: 1 =< VALUE < MDL

BLANK DATA FILE: >Z9870 SAMPLE NAME: SJ 63884 LPULFSC46N

FOOTNOTE #38 = BLANK CONTAMINANT:

SURROGATES	AMOUNT FOUND IN SAMPLE (ug/L)	AMOUNT SPKD IN SAMPLE (ug/L)	RECU (%)	RECU RANGE (%)	MRK	
S01	2-Fluorophenol	73.65	100.00	74	27-119	OK
S02	Phenol-d5	81.84	100.00	82	23-111	OK
S03	Nitrobenzene-d5	40.93	50.00	82	62-122	OK
S04	Decafluorobiphen	32.16	50.00	64	-----	OK
S05	2-Fluorobiphenyl	44.89	50.00	90	56-124	OK
S06	2,4,6-Tribromoph	92.00	100.00	92	40-150	OK
S07	p-Terphenyl-d14	43.19	50.00	86	37-133	OK

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Initial Volume is 1000 ML

DATA FILE: ^Z9872 ^Z9869
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 SAMPLE |-----STANDARD-----|

INTERNAL STANDARD	AREA	1/2 X AREA	AREA	2X AREA	MRK
320 1,4-Dichlorobenzen	11291	6820	13640	27280	OK
321 Naphthalene-d8	49443	31508	63015	126030	OK
322 Acenaphthene-d10	36366	21440	42880	85760	OK
323 Phenanthrene-d10	81092	49140	98279	196558	OK
324 Chrysene-d12	99797	54860	109720	219440	OK
325 Perylene-d12	114032	64508	129015	258030	OK

INTERNAL STANDARD	SAMPLE	-----STANDARD-----			MRK
	RT (MIN)	RT-0.5 (MIN)	RT (MIN)	RT+0.5 (MIN)	
320 1,4-Dichlorobenzen	7.62	7.13	7.63	8.13	OK
321 Naphthalene-d8	10.80	10.30	10.80	11.30	OK
322 Acenaphthene-d10	15.15	14.66	15.16	15.66	OK
323 Phenanthrene-d10	18.79	18.30	18.80	19.30	OK
324 Chrysene-d12	25.36	24.89	25.39	25.89	OK
325 Perylene-d12	28.95	28.46	28.96	29.46	OK

The output from LU 6 has been sucessfully spooled into the file called QZ9872 .