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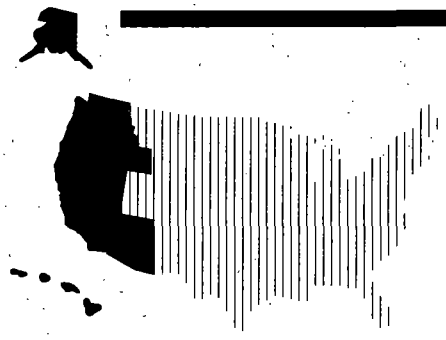

Field Report
Surface Water, Sediments, and Biological Sampling in Stormwater Pathway from Montrose Chemical Company to Los Angeles Harbor

Montrose Superfund Site
Torrance, California

July 31, 1995

Environmental Protection Agency
Contract No. 68-W9-0031

CH2M HILL

CH2M HILL
Engineers
Planners
Economists
Scientists

July 31, 1995

102573.04.03

Mr. Jeffrey A. Dhont
U.S. EPA, Region IX
Mail Code H-7-1
75 Hawthorne Street
San Francisco, CA 94105

Dear Jeff:

Subject: Field Report Stormwater Pathway Sampling
Montrose Site, ARCSWEST/CH2M HILL
Contract 68-49-0031, WA# 31-28-9P26

Based on review comments from you, we have revised the March 15, 1995 draft field report on surface water, sediments, and biological sampling in stormwater pathway from Montrose Chemical Company to Los Angeles Harbor. As you requested, ten copies of the draft report are attached.

Sincerely,

CH2M HILL

for Udai P. Singh
Site Manager

cc: Harry Ohlendorf/SAC

Attachments

sfo/ks/US18/014.doc

CH2M HILL 1111 Broadway, P.O. Box 12681, Oakland, CA 94604-2681 510 251-2426 Fax 510 893-8205

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Montrose Superfund Site
Torrance, California

July 31, 1995

EPA Contract No. 68-W9-0031
EPA Work Assignment No. 31-28-9P26
CH2M HILL Project No. 102573.04.03

Prepared for:
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
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Nondisclosure Statement

This document has been prepared for the U.S. Environmental Protection Agency under Contract No. 68-W9-0031. The material contained herein is not to be disclosed to, discussed with, or made available to any person or persons for any reason without the prior express approval of a responsible official of the U.S. Environmental Protection Agency.

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Draft Field Report
Surface Water, Sediment, and Biological Sampling in Stormwater Pathway from Montrose Chemical Company to Los Angeles Harbor

1.0 Introduction

This report presents a summary of the field sampling effort conducted at the Montrose Superfund Site from April 11 through April 16, 1994, and is organized into the following sections:

- Section 1.0—A brief overview of the site and the sampling objectives.
- Section 2.0—A summary of the field notes, presented by sample media and drainage.
- Section 3.0—A summary of the analytical results.

Attachments included with this report are as follows:

- Attachment A—Maps and photographs of the sampling locations
- Attachment B—Chain of custody forms
- Attachment C—Field Quality Assurance forms
- Attachment D—Laboratory analytical results

The Montrose Chemical Corporation of California (Montrose) operated a DDT manufacturing and formulation facility at 21201 South Normandie Avenue in Los Angeles,

California from 1947 until 1982. The Montrose facility occupied approximately 13 acres (the "Property") located in the City and County of Los Angeles. The facility was dismantled in 1983 and was capped by Montrose in 1985 (CH2M HILL, 1993).

Releases from the facility to the surrounding environment have occurred via groundwater, air, and surface water. Montrose was included on the National Priorities List in 1989 and the Superfund "Site" includes the Property, the surface soil surrounding the Property, the underlying contaminated groundwater, the sanitary sewers, and the stormwater pathway. The stormwater pathway includes Jones Ditch, Normandie Avenue Ditch, Kenwood Drain, Torrance Lateral, Dominguez Channel, and Consolidated Slip (CH2M HILL, 1993).

The objective of the sampling effort was to obtain data to support future phases of the human health risk assessment and ecological risk assessment. These assessments will evaluate whether current concentrations of Montrose-related contaminants in surface water, sediment, and biota within drainages between the Property and the Consolidated Slip could impact receptors (both human and ecological). To assess potential impacts to receptors, data representative of current contaminant levels in surface water, sediment, and biota within the drainage pathway were collected. This sampling effort was needed because the extent of contamination within the drainage pathway could have been changed due to storm events and other variables since the earlier sampling was conducted. The data collected during this sampling event will also supplement existing information on the nature and extent of contamination offsite.

Information obtained during this sampling effort includes:

- Current sediment distribution within the drainage system to identify potential sources of contaminant release or exposure.

- Current concentration data for target chemicals in surface water, sediment, and biota to evaluate potential receptor impacts.

- Concentration data for target chemicals in biota to assess potential impacts on organisms and potential for bioaccumulation in higher trophic-level organisms.

- Screening-level characterization of aquatic organisms occurring within the drainage pathway based on a reconnaissance-level survey.

2.0 Summary of Field Notes

2.1 Surface Water and Sediment Sampling

2.1.1 Dominguez Channel

The Dominguez Channel was surveyed for sediment deposits on April 11, 1994. Surface water and sediment samples were collected from April 13 through April 15, 1994. Sampling locations in the Dominguez Channel are shown in Figure A-1.

The sediment survey (April 11, 1994) was conducted to characterize the distribution of sediments in the drainage pathway and to identify potential sampling locations for surface water and sediment. The channel bank was marked with a number approximately every 0.2 to 0.3 miles beginning at the inflow of the Dominguez Channel to the Consolidated Slip and moving upstream (Table 2-1). These "channel markers" were used throughout the sampling effort as reference points for sample locations.

Depth of surface water to sediment was measured at each channel marker using a weighted rope with one foot indications. A continuous survey of the sediment surface was conducted using a fathometer in conjunction with the surface water depth measurements. Secchi measurements were taken at various intervals along the channel to determine water clarity (note: this was an additional measurement not specifically requested in the sampling plan, so measurements were not made at every channel marker). Results of the survey are presented in Table 2-1.

The channel was divided into five segments for surface water and sediment sampling. Four segments were sampled for both surface water and sediment. In each of these segments, five sample locations were chosen. The first location in each segment was chosen randomly and the remainder were evenly spaced from the first location. The fifth segment was located at

Table 2-1
Sediment Survey of Dominquez Channel
Montrose Superfund Site
April 11, 1994

Channel Marker[a]	Channel Marker Location	Sediment Survey		
		Time	Water Depth (feet)	Secchi Depth (feet)
76	North end of channel. South end of concrete block wall.	1215	2.5	--
75	North end of blue/beige/white corrugated steel wall.	1247	4	1
74	Approximately 15 yards south of 182nd St. bridge.	1252	4	--
73	North end of school bus parking area.	1301	5	--
72	Half-way between bridges, approximately 30 yards south of school buses.	1305	5	--
71	North end of terracotta pots.	1307	5.5	--
70	Approximately 10 yards north of I-110 overpass.	1310	4	--
69	Approximately 10 yards north of 190th St./Victoria St. Bridge.	1315	3.5	--
68	Opposite south end of Nissan building; half-way between Figueroa and 190th Sts. bridges.	1319	8	4
67	At wooden telephone pole and south end of "Barnes Plastics".	1321	6	--
66	South side of Figueroa St. bridge.	1334	9	--
65	Opposite "Roadway Construction" trucks, half-way between bridges.	1335	8.5	--
64	North side of Main St. bridge, before storm outfall.	1339	8.5	--
63	At "Goodyear" billboard, approximately 50 yards south of Main St.	1345	8.5	--
62	Approximately 50 yards south of "Goodyear" billboard.	1346	8.5	--
61	Between 6th and 7th wooden telephone poles.	1350	9	--
60	At 5th wooden telephone pole.	1353	9.5	--
59	At 3rd wooden telephone pole.	1357	8	--
58	At 1st wooden telephone pole.	1359	7	--
57	At powerline tower on west side, south end of golf course.	1402	8.25	--
56	South of discharge and pipe overpass, at south end of "Avalon Plaza".	1406	7	--
55	Half-way between Avalon and pipe crossover, at 2nd gray building.	1410	5.5	--
54	At concrete discharge before gray building (550 Carson Plaza).	1417	6.5	--
53	Half-way between bridge and powerline tower, opposite Torrance Lateral.	1415	9.5	--

Table 2-1
Sediment Survey of Dominquez Channel
Montrose Superfund Site
April 11, 1994

Channel Marker[a]	Channel Marker Location	Sediment Survey		
		Time	Water Depth (feet)	Secchi Depth (feet)
52	Last powerline tower before Avalon bridge and "Pep Boys".	1422	10	--
51	At "Rhamada" sign.	1425	8.5	--
50	At northern-most flood light, two-thirds the way to the next tower.	1428	8	--
49	At 1st powerline tower on east side.	1430	8	--
48	Approximately 15 yards north of 213th St. bridge.	1434	9	--
47	Approximately 25 yards south of 213th St. bridge.	1436	10	--
46	At LACFCD concrete footing, where soundwall cuts back 15 feet.	1438	10	--
45	Approximately 25 yards north of Carson, north end of "Discount Van" warehouse.	1441	9.5	--
44	Opposite "Slick Mart Racing" sign and gated flood outfall.	1445	11	--
43	Just south of "South Bay Amusement Center" on the west side and residential pool slide on the east.	1447	10	--
42	Opposite A-frame residence on the west and gray residence on the east.	1450	9	--
41	Opposite "Altman's Winnebago" on the west and yellow residence on the east.	1454	9.5	--
40	At concrete outfall approximately 75 feet north of I-405.	1456	10	--
39	At concrete stormpipe, north of I-405, south of pipe crossover.	1459	10	--
38	Approximately 20 feet south of I-405 overpass.	1502	11.5	--
37	Approximately 20 yards south of Wilmington at north end of ARCO refinery buildings by flag pole.	1510	11.5	--
36	NR	1512	12	--
35	Just before curve in channel, south of blue pipe crossover.	1514	9.5	--
34	Approximately 15 yards south of Channel Ave. bridge.	1516	11.5	--
33	Just south of single tall flare on east, approximately 70 yards south of Channel Ave.	1520	10.5	--
32	Opposite single tall flare on west, north end of asphalt pad.	1531	10	--
31	On curve, just north of 2nd and 4th flare towers.	1534	12	7
30	Opposite 2nd and 4th flare towers on west, south end of raised pad on east.	1537	10.5	--

Table 2-1
Sediment Survey of Dominquez Channel
Montrose Superfund Site
April 11, 1994

Channel Marker[a]	Channel Marker Location	Sediment Survey		
		Time	Water Depth (feet)	Secchi Depth (feet)
29	Concrete building, at single tall flare on west, south end of open lot on east.	1547	9.5	--
28	At south side of Alameda bridge.	1551	11	--
27	North end of refinery, approximately 20 yards south of Alameda bridge.	1554	11	--
26	Opposite refinery and concrete stairs on west, before curve.	1559	10.5	--
25	At concrete outfall, opposite bottom end of refinery on west.	1602	11.5	--
24	Opposite north end of blue triangular building.	1605	10	--
23	Opposite coal pile on west, just south of blue triangular building.	1607	10.5	--
22	North end of black tank farm on the east and south of coal pile on the west.	1611	11	--
21	Just north of Sepulveda Blvd.	1616	11.5	--
20	Approximately 20 yards south of Sepulveda bridge.	1618	14	--
19	North end of green triangular coal building and north end of new car lot.	1621	11.5[b]	--
18	Mid point of green triangular coal building, at concrete drain.	1625	11.5	--
17	South end of green triangular coal building, at concrete drain.	1630	11	--
16	Approximately 10 feet north of pipe crossover, at south end of car lot.	1633	11.5	--
15	Two-thirds distance to pipe crossover, at concrete building on east side.	1635	12.5	--
14	Half-way between pipe crossovers, on concrete pier opposite concrete stairs.	1639	13	--
13	Just north of pipe crossover, between warehouses "13" and "16" on the east side.	1641	12.5	--
12	Refinery tower on the west, and just south of the black tank farm on the west.	1644	13.5	--
11	Approximately 20 yards north of PCH bridge, at concrete discharge on east side.	1647	14	--
10	At Union Carbide pipe overpass, approximately 20 yards south of PCH.	1652	12.5	--
9	Approximately 50 yards sough of PCH, half-way up to tank farm on east side.	1656	15	6.5

Table 2-1
Sediment Survey of Dominquez Channel
Montrose Superfund Site
April 11, 1994

Channel Marker[a]	Channel Marker Location	Sediment Survey		
		Time	Water Depth (feet)	Secchi Depth (feet)
8	Approximately 75 yards sough of PCH, at two white tanks on west side.	1700	15.5	--
7	North end of sulfur piles, opposite triple cooling tower on west side.	1705	15	--
6	South end of sulfur piles, just north of railroad/pipe bridge.	1709	16.5	--
5	Just south of railroad bridge and refinery, at north end of Sutherland Ave.	1711	11	--
4	Half-way between pipe crossover and railroad bridge, south of sulfur piles.	1714	11	--
3	Half-way between Anaheim and pipe crossover, at concrete discharge.	1718	16.5	--
2	Half-way between railroad bridge and Anaheim bridge.	1723	13.5	--
1	At aerial ground marking (#34) on frontage road just north of Henry Ford Bridge.	1728	15.5	--

Notes:
[a]Channel markers were placed at intervals of 0.2 to 0.3 miles.
[b]Slack low tide first observed at channel marker 19 at 1621.

-- = Not measured at this channel marker

LACFCD = Los Angeles County Flood Control District
NR = Not recorded
PCH = Pacific Coast Highway

the mouth of the Torrance Lateral. Six sampling locations were selected along the banks of the Dominguez Channel, three on the east bank and three on the west bank. The three locations on each bank were placed downstream of the Torrance Lateral, at the confluence of the Torrance Lateral, and upstream of the Torrance Lateral. These locations were sampled for sediment only. Sampling locations and field measurements for the Dominguez Channel are presented in Table 2-2. All surface water and sediment samples were collected in the middle of the channel unless otherwise noted in Table 2-2.

Surface water samples were collected for analyses of pesticides, polychlorinated biphenyls (PCBs), metals, cyanide, total dissolved solids (TDS), and total suspended solids (TSS). Sediment samples were collected for analyses of pesticides, PCBs, metals, cyanide, total organic carbon (TOC), and grain size. Laboratory Quality Control (QC) samples and duplicate samples were collected at the locations indicated in Table 2-2.

Deviations From The Sampling Plan. Sediment was sampled from the intertidal zone at locations DC4-3, DC4-4, and DC4-5 because sufficient sediment could not be collected in the mid-channel sampling location. Pulls with the ponar or Ekman dredge at these locations contained mussels, leaves, or debris, with no sediment. Therefore, sediment was collected from the intertidal zone rather than not collect at all.

2.1.2 Kenwood Drain

The Kenwood Drain was surveyed and sampled on April 11, 1994. The drainage was surveyed for presence of surface water and sediment at 11 potential sampling locations and sampled where adequate quantities of surface water or sediment were present. Access to the drain was made through manholes with the assistance of the Los Angeles Department of Public Works (LADPW).

The locations surveyed began at the uppermost catch basin accessing the Kenwood Drain located at Kenwood Ave. and 204th St. The final location surveyed was the storm drain

Table 2-2
Dominguez Channel Sampling
Montrose Superfund Site
April 12-15, 1994

Sample Location	Location Description	Samples Collected	Field Measurements						
			pH	D.O. (mg/l)	Conductivity (µmhos/cm)	Salinity (o/oo)	Temp. (°C)	Water Depth (feet)	Water Sample Depth[a] (feet)
Segment 1									
DC1-1	south end of sand bar just south of #76	sed:T,QC sw: T,QC	7.62	3.3	14,500	7.5	21	1.5	1
DC1-2	mid-point between #71 and #70	sed: T sw: T	7.7	2.8	13,800	8.95	22.5	9	6
DC1-3	between Figueroa St. bridge and #66	sed: T sw: T	7.55	2.4	20,000	15	22.5	7.5	4.5
DC1-4 and DC1-6[b]	just north of #61	sed:T,DP sw: T	7.48	2.2	22,000	14.9	20.9	8.5	5.5
DC1-5	at #56	sed: T sw: T	7.8	3.2	24,000	17.5	21.5	6	3
Segment 2									
DC2-1	about 5 yards south of #50 (Rhamada Inn just north)	sed: T sw: T	7.89	2.4	27,900	19	19.4	8.5	5.5
DC2-2 and DC2-6[c]	mid-channel at #47, 25 yards sough of 213th St. bridge	sed: T sw: T,DP	7.88	2.9	30,000	22.5	18.4	11	8
DC2-3	just north of #45	sed: T sw: T	7.64	3.4	26,500	19	18.5	10.5	7.5
DC2-4	mid-channel at #42	sed: T sw: T	7.59	3.4	24,000	18.5	18.6	10	7
DC2-5	5 yards north of #40	sed: T sw: T	7.6	NR	32,000	24	18.6	10	7
Segment 3									
DC3-1	just south of #39 and north of I-405 overpass	sed:T,QC sw: T,QC	7.71	3.5	32,500	24.9	20.8	11.5	8.5
DC3-2	just inside north end of ARCO refinery by #35	sed: T sw: T	7.62	3.2	33,000	25	19.7	11	8
DC3-3	along curve in channel by #31	sed: T sw: T	7.63	3.6	33,000	25	18.9	13	10
DC3-4	just south of Sepulveda bridge and north of bend in channel by #28	sed: T sw: T	7.66	3.8	34,500	26	18.6	12	9

Table 2-2
Dominguez Channel Sampling
Montrose Superfund Site
April 12-15, 1994

Sample Location	Location Description	Samples Collected	Field Measurements						
			pH	D.O. (mg/l)	Conductivity (µmhos/cm)	Salinity (o/oo)	Temp. (°C)	Water Depth (feet)	Water Sample Depth[a] (feet)
DC3-5	just north of #24 by corner of blue building	sed: T sw: T	7.7	4.2	33,500	25	18.5	10.5	7.5
Segment 4									
DC4-1	just south of curve in channel by #18	sed: T sw: T	7.84	4.6	35,500	27	17.2	11	8
DC4-2	west of black storage tank by #14	sed: T sw: T	7.68	4.2	35,000	27	18.5	13	10
DC4-3[d]	at #10 by Union Carbide pipe bridge	sed: T sw: T	7.77	3.5	40,000	31	18.7	16	13
DC4-4[d]	west of petroleum towers by #6	sed: T sw: T	7.96	3.8	39,500	30.5	17.1	13	10
DC4-5[d] and DC4-6[b,c]	just south of Union Carbide refinery and approximately 0.2 miles north of Henry Ford Bridge at #2	sed:T,DP sw: T,DP	7.92	5.0	39,000	30	16.2	11	8
East Bank of Dominguez Channel at Torrance Lateral									
BDCE-1	directly down from storm drain, mid-way to waterline, downstream of TL	sed: T	--	--	--	--	--	2	--
BDCE-2	directly across from mouth of TL	sed: T	--	--	--	--	--	1.5	--
BDCE-3	upstream of TL, between storm drain and powerline tower	sed: T	--	--	--	--	--	1.5	--
West Bank of Dominguez Channel at Torrance Lateral									
BDCW-1	across DC from BDCE-1, between bridge and storm drain	sed: T	--	--	--	--	--	12-15	--
BDCW-2	just downstream from mouth of TL	sed: T	--	--	--	--	--	6-7	--

Table 2-2
Dominguez Channel Sampling
Montrose Superfund Site
April 12-15, 1994

Sample Location	Location Description	Samples Collected	Field Measurements						
			pH	D.O. (mg/l)	Conductivity (µmhos/cm)	Salinity (o/oo)	Temp. (°C)	Water Depth (feet)	Water Sample Depth[a] (feet)
BDCW-3	directly across from BDCE-3, 2/3 way from roadblock to end of pavement	sed: T	--	--	--	--	--	NR	--

Notes:
[a]Surface water samples were collected three feet above the bottom of the channel.
[b]Sample location for duplicate sediment sample.
[c]Sample location for duplicate surface water sample.
[d]Collected sediment intertidal because no sediment found in mid-channel.

--	=	Not applicable
#	=	Channel marker number
D.O.	=	Dissolved oxygen
DP	=	Duplicate sample collected
NR	=	Not recorded
QC	=	Laboratory QC sample collected
sed	=	Sediment
sw	=	Surface water
T	=	Target (or original) sample collected
Temp.	=	Temperature

located at New Hampshire Ave. north of 210th St. Each location surveyed is summarized below and shown in Figure A-2. Locations where samples were collected are presented in Table 2-3.

Catch Basin 1: Covered with a grate. Surface water was not present in sufficient volumes to collect a sample, and no sediment was observed.

Manhole 2: Uppermost manhole located at Kenwood Ave. and 204th. There was not enough surface water present to sample and no sediment visible.

Manhole 3: Located on Kenwood Ave. south of 204th. There was no surface water or sediment present.

Manhole 4: Located at 20531 Kenwood Ave. Surface water was collected using Sample Location KD-3(sw). There was no sediment visible.

Manhole 5: Located at 20703 Kenwood Ave. There was no surface water observed. Sediment was collected using Sample Location KD-1(sed).

Manhole 6: Located on the corner of Kenwood Ave at the intersection with Torrance Blvd. This manhole had a pressurized manhole cover. Surface water that appeared to originate at a grocery store was observed flowing from a storm drain feeding into the manhole. This location was not sampled because water entering the storm drain would not have been representative of Montrose-related contamination. (Note that Manhole 5 and Manhole 7 locations upstream and downstream of Manhole 6 had no surface water and the sample of water entering at Manhole 6 would have reflected grocery store wash-down, not Montrose site activities.)

Manhole 7: Located on Torrance Blvd. across the street from Manhole 6. The drain appeared dry with only a small amount of dampness. There was not enough surface water or sediment present to sample.

Table 2-3
Kenwood Drain Sampling
Montrose Superfund Site
April 11, 1994

Sample Location	Location Description	Samples Collected	Field Measurements					
			pH	Dissolved Oxygen (mg/l)	Conductivity (µmhos/cm)	Temperature (°C)	Sediment Depth (inches)	Water Depth (inches)
KD-1[a] and KD-6[b]	Manhole 9: between 209th and 210th on Royal Blvd.	sw: T,DP	7.95	9.53	820	21	--	2-3
KD-1[a]	Manhole 5: located at 20703 Kenwood Ave.	sed: T	--	--	--	--	1	--
KD-2 and KD-6[b]	Manhole 11: located at outlet to Torrance Lateral	sed: T,DP sw: T	NR	NR	NR	NR	NR	NR
KD-3	Manhole 4: located at 20531 Kenwood Ave.	sw: T	NR	NR	NR	NR	NR	NR

Notes:
[a]Sample Location KD-1 was used at two distinct physical locations; surface water was collected at one location and sediment at another.
[b]The KD-6 surface water sample is a duplicate for KD-1, whereas KD-6 sediment sample was a duplicate for KD-2.

-- = Not applicable.
DP = Duplicate sample collected
NR = Not recorded
sed = Sediment
sw = Surface water
T = Target sample collected

Manhole 8: Located between 209th St. and 210th St. The drain was dry with no surface water or sediment present. Trash, concrete and rocks were observed in the bottom of the manhole.

Manhole 9: Located between 209th St. and 210th St. on Royal Blvd. Surface water was present and collected using Sample Location KD-1(sw) with and KD-6(sw dup) as a duplicate. There was no sediment present.

Manhole 10: Located east of Manhole 9 and Royal Blvd., between 209th St. and 210th St. Debris, rocks, and concrete had accumulated on the bottom. There was not enough water present to sample, and sediment was not present.

Manhole 11: Outlet to the Torrance Lateral located between 209th St. and 210th St. at New Hampshire Ave. Water level was approximately one inch. Algae and sediment were present on the sides of the channel. Surface water and sediment samples, plus a sediment duplicate were collected using Sample Location KD-2(sw/sed) and KD-6(sed dup).

Unfiltered surface water samples were collected at each sample location for analyses of pesticides, PCBs, metals, cyanide, TDS, and TSS. In addition, samples were collected for analyses of semi-volatiles and volatiles at Station Location KD-1 (with KD-6 as a duplicate). These samples were collected without being filtered so they would characterize the total amount of Montrose-related contaminants in the water. As noted in the next section, both filtered and unfiltered samples were collected in the Consolidated Slip for evaluation of dissolved versus suspended contaminants in the water column.

Sediment samples were collected at each sample location for analyses of pesticides, PCBs, metals, cyanide, TOC, and grain size. In addition, samples were collected for analyses of semi-volatiles and volatiles at Station Location KD-1.

Deviations From The Sampling Plan. Only three surface water and two sediment samples (plus one duplicate sample for each media) were collected in the Kenwood Drain due to lack of adequate volumes to sample.

2.1.3 Consolidated Slip

The Consolidated Slip was sampled on April 12, 1994. Five sampling locations were selected in the Consolidated Slip (Figure A-1). Sample Location CS-1 was located at the upper end of the slip, CS-2 was located in the mid-point of the slip, CS-3 was located at the lower end of the slip, CS-4 was located in the intertidal zone at the upper east side of the slip, and CS-5 was located in the intertidal zone at the lower east side of the slip. The locations sampled are presented in Table 2-4.

Surface water and sediment samples were collected at each sampling location. Surface water samples included both filtered and unfiltered water for each analytical suite. Surface water samples were collected for analysis of semi-volatiles, pesticides, PCBs, metals, cyanide, TDS, and TSS. Samples for volatile analyses were collected at Sample Location CS-1 (with CS-6 as a duplicate).

Sediment samples were collected at all locations for analyses of semi-volatiles, pesticides, PCBs, metals, cyanide, TOC, and grain size. Samples for volatile analyses were collected at Sample Location CS-1 (with CS-6 as a duplicate).

Deviations From The Sampling Plan. Sediment deposits in the Consolidated Slip were not surveyed using the fathometer because readings taken in the Dominguez Channel indicated that interferences were occurring due to garbage, boat motions, and other unknown factors.

Sample locations in the Consolidated Slip consisted of two intertidal locations and three subtidal locations rather than three intertidal and two subtidal locations as was listed in the

Table 2-4
Consolidated Slip Sampling
Montrose Superfund Site
April 12-15, 1994

Sample Location	Location Description	Samples Collected	Field Measurements						
			pH	D.O. (mg/l)	Cond. (µmhos/cm)	Salinity (o/oo)	Temp. (°C)	Secchi Depth (feet)	Water Depth (feet)
CS-1 and CS-6[a]	upper end of channel just south of Henry Ford Bridge	sed: T,DP sw: T,QC	8.13	7.2	40,000	28.5	17.6	NR	14
CS-2	mid channel (north/south and east/west)	sed: T sw: T	7.63	NR	42,000	NR	20	12.5	28
CS-3	lower end of slip in mid channel	sed: T sw: T	7.98	3.8	43,000	NR	21	12	28.5
CS-4	intertidal zone at upper end of slip	sed: T sw: T	8.05	6.91	39,900	29	21	NR	3
CS-5	intertidal zone at lower end of slip	sed: T sw: T	7.85	4.2	44,000	31	20.3	NR	1

Notes:
[a]The CS-6 Sample Location is a duplicate sediment sample to CS-1.

Cond. = Conductivity
D.O. = Dissolved oxygen
DP = Duplicate sample collected
NR = Not recorded
QC = Laboratory QC sample collected
sed = Sediment
sw = Surface water
T = Target sample collected
Temp. = Temperature

sampling plan (Table 4-1). This change was made for two reasons: 1) only two distinct intertidal locations were present in the slip and 2) three sampling locations down the main channel of the slip would provide a better characterization of potential contaminant migration than the two proposed in the sampling plan.

2.1.4 Normandie Avenue/Jones Ditch

The Normandie Avenue/Jones Ditch was sampled on April 12, 1994. The ditch was surveyed and divided into 5 segments of equal length (Figure A-3). The total length of the ditch was 460 feet, and each segment was 92 feet. All segments were sampled for sediment with the exception of Segment 3, because no sediment was present in that segment. Sediment samples were collected for analyses of pesticides, PCBs, metals, cyanide, PCBs, TOC, and grain size. The locations sampled in each segment are presented in Table 2-5.

Surface water samples were not collected in the ditch because surface water was not expected to be present and was, therefore, not included in the sampling plan.

Deviations From The Sampling Plan. The sampling approach was changed from that described in the sampling plan because the sediment had accumulated in sporadic patches along the ditch. If the random approach described in the sampling plan had been followed, the most probable number of samples would have been two. Therefore, a stratified sampling approach was used to maximize the number of samples collected. Four samples were collected, one in each segment except for Segment 3 (which did not have any sediment deposits).

2.1.5 Torrance Lateral

The Torrance Lateral was sampled from April 13 through April 15, 1994. The lateral has a lined portion (TLL) and an unlined portion (TLU). The lined portion of the drain extends

Table 2-5
Normandie Avenue/Jones Ditch Sampling
Montrose Superfund Site
April 12, 1994

Segment	Sample Location	Location Description	Samples Collected	Sediment Deposit Measurements			
				Length (feet)	Width (feet)	Depth (inches)	Characteristics
1	ND-1 and ND-6[a]	3 feet 11 inches from southern edge of deposit	sed:T,DP	40	10	2.25	silty clay, sandy, with dark color
2	ND-2	44 feet north of border between Segment 1 and 2	sed: T	23	2-3	2	silty sand, 100% moisture, algae on top, cobbles on bottom
3	--	--	--	--	--	--	--
4	ND-4	4 feet south of border between Segment 4 and 5	sed: T	37	1	3	dry, fine silty sand, light brown color
5	ND-5	19 feet south of end of ditch	sed: T	92	NR	1-2	dry, fine silty sand, light brown color

Notes:
[a]Sample ND-6 is a duplicate sediment sample to ND-1.

-- = No samples collected
DP = Duplicate sample collected
NR = Not recorded
sed = Sediment
T = Target sample collected

throughout most of its length ending on the upstream side of the I-405 overpass. The remainder of the drain from the I-405 overpass to the confluence with the Dominguez Channel is unlined. The lined and unlined portions of the Torrance Lateral and descriptions of sample locations are shown in Figure A-4. Sample locations are described below and in Table 2-6.

Sampling in TLL was conducted using the alternate approach listed in the sampling plan because sediment deposits were not continuous down the drainage, and standing water was present only in the downstream end of TLL. This portion of TLL that had standing surface water and sediment had a total length of 1600 feet. This was divided into five segments (each 320 feet long) moving from downstream to upstream. Sediment and surface water were collected in each segment (see photos 29-33).

Sampling in the unlined segment (TLU) was conducted using the alternate approach listed in the sampling plan. The TLU was 354 feet long and was divided into six segments (each approximately 60 feet long) moving from downstream to upstream. Sample locations were chosen using randomly generated numbers. Two random numbers were chosen to determine the distance length-wise and width-wise from the downstream end of each segment. When sediment was not available at the designated location, the sampling point was shifted to the nearest sediment deposits with adequate volumes for sampling.

Surface water samples collected at each location in TLL and TLU were analyzed for pesticides, PCBs, metals, cyanide, TDS, and TSS. Surface water samples were collected for analyses of volatiles and semi-volatiles at Sample Locations TLL-1 and TLU-1 (with TLU-7 as a duplicate).

Sediment samples were collected for analyses of pesticides, PCBs, metals, cyanide, TOC, and grain size at all sample locations in TLL and TLU. Samples were collected for analyses of volatiles and semi-volatiles at Sample Locations TLL-1 (with TLL-6 as a duplicate) and TLU-1 (with TLU-7 as a duplicate).

Table 2-6
Torrance Lateral Sampling
Montrose Superfund Site
April 13-15, 1994

Sample Location	Location Description	Samples Collected	Field Measurements					
			pH	Dissolved Oxygen (mg/l)	Conductivity (µmhos/cm)	Temp. (°C)	Sediment Depth (inches)	Water Depth (inches)
Lined Segment								
TLL-1 and TLL-6[a]	42 feet from the upstream end of TLU and the I-405 overpass	sed:T,DP sw: T	9.17	13.2	10,000	23	6	8-16
TLL-2	sediment collected 7 feet from wall	sed: T sw: T	9.44	14.2	13,000	26	4-5	5.5
TLL-3	23'7" from south side of wall	sed: T sw: T	9.58	11.6	9,000	26	6.5	5
TLL-4	sediment collected 31'7" from wall, surface water collected 20'5" from wall	sed: T sw: T	10.22	7.2	1,700	26	4	2.5
TLL-5	moved 35 feet west of randomly generated sample site	sed: T sw: T	10.25	7.4	1,600	25	3	3.75
TLL-6[b]	1800 feet upstream from TLL-5	sw: T	10.64	8.8	1,500	24	--	2.75
TLL-7	1800 feet upstream from TLL-6	sed: T sw: T	10.21	8.4	1,350	25.8	18-24	2.5
TLL-8	1800 feet upstream of TLL-7	sed: T sw: T	10.34	11	1,400	24	0.04-36	1.5
TLL-9	1800 feet upstream from TLL-8	sw: T	10.8	8.4	1,400	27	NR	1.5
Unlined Segment								
TLU-1 and TLU-7[c]	35 feet from bank, 6 feet from low water bridge on the Dominguez Channel access road	sed:T,DP sw: T,DP	8.04	13	20,000	18	6	NR
TLU-2	17 feet upstream from confluence with Dominguez Channel	sed: T sw: T	8.6	14.8	7,500	19	2	NR
TLU-3	16 feet from the bank, parallel to 6th pillar of I-405 overpass	sed: T sw: T	8.7	15.4	6,000	19	1.5	NR
TLU-4	21'9" from bank, parallel to 9th pillar of I-405 overpass	sed: T sw: T	8.66	15.4	2,500	20	4	NR
TLU-5	18 feet from bank, just upstream from rock dam	sed: T sw: T	7.83	8.4	1,900	18	0.49	NR

Table 2-6
Torrance Lateral Sampling
Montrose Superfund Site
April 13-15, 1994

Sample Location	Location Description	Samples Collected	Field Measurements					
			pH	Dissolved Oxygen (mg/l)	Conductivity (µmhos/cm)	Temp. (°C)	Sediment Depth (inches)	Water Depth (inches)
TLU-6	50.5 feet upstream from end of fifth segment (containing TLU-5)	sed: T sw: T	8.27	9.8	1,610	18.2	8.5	20
TLU-8	42 feet upstream from start of sediment bar	sed: T	--	--	--	--	0.56	--
TLU-9	12 feet from end of sandbar, 100 feet to lined portion (TLL)	sed: T	--	--	--	--	0.12	--

Notes:
[a]TLL-6 sediment was a duplicate sample collected in the same location at TLL-1.
[b]TLL-6 water was an additional sample collected upstream of segment 5.
[c]TLU-7 was a duplicate surface water and sediment sample to TLU-1.

--	=	Not applicable
DP	=	Duplicate sample collected
NR	=	Not recorded
QC	=	Laboratory QC sample collected
sed	=	Sediment
sw	=	Surface water
T	=	Target sample collected
Temp.	=	Temperature

Deviations From The Sampling Plan. Four additional surface water and two additional sediment samples were collected in TLL to further characterize the segment. The additional surface water samples (TLL-6, TLL-7, TLL-8, and TLL-9) were collected approximately every 1800 feet moving upstream from TLL-5. The additional sediment samples (TLL-7 and TLL-8) were collected by sampling sediment that had accumulated in occasional deposits ("sediment bars" - see photos 35 and 36) within the TLL portion of the Torrance Lateral. The length of each sediment bar was measured and a randomly chosen number was used to determine the distance from the beginning of the bar to the sampling location. Samples were collected at the mid-point of each sediment bar's width.

Two additional sediment samples were collected in TLU. The two samples (TLU-8 and TLU-9) were collected by sampling sediment bars along the bank above the water level. The length of each bar was measured and a randomly chosen number was used to determine the distance from the beginning of the sediment bar to the sampling location.

2.2 Biota Survey and Sample Collection

2.2.1 Bird Survey of the Surface Water Drainage Pathway

A bird survey was conducted on April 11, 1994 along the banks of the Dominguez Channel, around the mouth of the Torrance Lateral, and at either end of the Consolidated Slip. The survey was conducted by automobile for approximately five hours. Results of the survey are presented in Table 2-7.

2.2.2 Aquatic Biota Sample Collection

Aquatic biota were collected in the Dominguez Channel, Consolidated Slip, and at the mouth of the Torrance Lateral as it flowed into the Dominguez Channel. Only those species with adequate sample volume for chemical analyses were retained and submitted to the laboratories. Biota samples were analyzed for volatile and semi-volatile organics,

Table 2-7
Bird Survey of the Dominguez Channel and the Consolidated Slip
Montrose Superfund Site
April 11, 1994

Species	Count	Species	Count
Dominguez Channel - Segment 1			
Black Phoebe	1	Mockingbird	1
Black-bellied Plover	6	Redwing Blackbird	1
Black-necked Stilt	4	Ruddy Duck	1
Coot	3	Snowy Egret	4
Cormorant	6	Spotted Sandpiper	2
Cowbird	1	Starling	2
Dunlin	1	Swallow (cliff)	32
Great Egret	4	Swallow (barn)	2
Green-backed Heron	1	Western Kingbird	3
Killdeer	12	Whimbrel	1
Least Sandpiper	27	Willet	9
Long-billed Dowitcher	28	Yellowlegs	7
Mallard	18		
Dominguez Channel - Segment 2			
Cormorant	2	Sandpiper	1
Kildeer	1	Snowy Egret	2
Least Sandpiper	3	Spotted Sandpiper	2
Pied-billed Grebe	3	Willet	1
Dominguez Channel - Segment 3			
Cormorant	12	Swallow (barn)	3
Great Egret	1	Willet	1
Sandpiper	1		
Dominguez Channel - Segment 4			
Cormorant	51	Red-breasted Merganser	1
Crow	1	Swallow (barn)	6
Gull	4	Willet	3
Killdeer	1		
Dominguez Channel at Torrance Lateral			
Black Phoebe	1	Mallard	6
Black-necked Stilt	1	Ruddy Duck	1
Dowitcher	6	Sandpiper	1
Dunlin	1	Spotted Sandpiper	4
Great Egret	1	Swallow (mixed barn and cliff)	40

Table 2-7
Bird Survey of the Dominguez Channel and the Consolidated Slip
Montrose Superfund Site
April 11, 1994

Species	Count	Species	Count
Killdeer	1	Willet	2
Consolidated Slip			
Cormorant	5	Snowy Egret	8
Ring-billed Gull	12	Western Grebe	7

pesticides, PCBs, and metals. Samples retained for chemical analyses are presented in Table 2-8. Species occurrence and collection are described below.

Dominguez Channel. Topsmelt were observed in the channel along Segments 1 and 2 during the initial sediment survey on April 11. Two gill nets were set across the channel on April 13; the first net was set between channel marker #47 and #48 and the second net was set by channel marker #56. The nets were deployed for 7.5 hours. No fish were caught, only trash bags, leaves, algae, and garbage.

Based on the lack of success, it was suggested that using the beach seine or the otter trawl net would be a more successful approach. On April 15 and 16, samplers attempted to beach seine above the mouth of the Torrance Lateral using the boat to take the seine out into the channel. Of the four seining attempts, only one fish and large amounts of algae were collected.

In addition to the beach seine, samplers used the otter trawl in several sections of the channel (April 15 and 16). Trawling was conducted between channel markers #53 and #55, between #50 and #52, and between #32 and #34. No fish were caught in any of the attempts (only leaves and algae).

On April 16, 1994, crabs and mussels were collected in each segment of the Dominguez Channel. The segment, channel markers, and species collected are as follows:

- Segment 1, #66, mussels (no crabs found)
- Segment 2, #39, mussels (no crabs found)
- Segment 3, #28-29, crabs
- Segment 4, #2-3, crabs

Torrance Lateral. On April 14, 1994, the transition zone between the lined and unlined portions of the Torrance Lateral was sampled for fish using a beach seine. Mosquitofish were collected in sufficient volumes for chemical analyses.

Table 2-8
Biological Sampling
Montrose Superfund Site
April 12-15, 1994

Sample ID[a]	Location Description	Samples Collected	Species	Analyses
Consolidated Slip				
CS-1 and CS-2[b]	upper end of slip by Henry Ford Bridge	bio: T,DP	Topsmelt (*Atherinops affinis*)	wholebody
CS-3	mid-section of slip	bio: T	Topsmelt (*Atherinops affinis*)	wholebody
CS-4	mid-section of slip	bio: T	Black surfperch (*Embiotoca jacksoni*)	filet
CS-5	mid-section of slip	bio: T	Black surfperch (*Embiotoca jacksoni*)	filet
CS-6	mid-section of slip	bio: T	Black surfperch (*Embiotoca jacksoni*)	filet
Dominguez Channel				
DC-1	Segment 1, near channel marker #66	bio: T	Bay mussel (*Mytilus* sp.)	whole
DC-1egg	Segment 1	bio: T	Mallard egg (*Anas platyrhynchos*)	whole egg
DC-2	Segment 2, on bridge piling near #39	bio: T	Bay mussel (*Mytilus* sp.)	whole
DC-4	Segment 4, between #2 and #3	bio: T	Bay mussel (*Mytilus* sp.)	whole
DC3-1	both sides of channel from #28 to #29	bio: T	Shore crabs (*Hemigrapsus oregonensis*)	whole
DC4-1	both sides of channel from #2 to #3	bio: T	Shore crabs (*Hemigrapsus oregonensis*)	whole
Torrance Lateral at the Dominguez Channel				
TLDC-1 and TLDC-2[c]	at mouth of Torrance Lateral (TL) as it flows into the Dominguez Channel (DC)	bio: T,DP	Topsmelt (*Atherinops affinis*)	wholebody
TLDC-3	at mouth of TL as flows into DC	bio: T	Topsmelt (*Atherinops affinis*)	wholebody
TLDC-4	at mouth of TL as flows into DC	bio: T	Topsmelt (*Atherinops affinis*)	wholebody
Torrance Lateral - Lined Segment				
TLL-1A and TLL-1F[d]	above transition zone of TLL to TLU	bio: T,DP	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1B	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1C	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1D	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1E	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1G	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1H	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLL-1I	above transition zone of TLL to TLU	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
Torrance Lateral - Unlined Segment				
TLU-1	pool above sed/sw location TLU-6	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody
TLU-2	pool above sed/sw location TLU-6	bio: T	Mosquitofish (*Gambusia affinis*)	wholebody

Notes:
[a]Sample ID used for biota does not correspond to sample location codes used for surface water and sediment samples.
[b]Duplicate sample for CS-1.
[c]Duplicate sample for TLDC-1.
[d]Duplicate sample for TLL-1A.

bio = Biota
DP = Duplicate sample collected
T = Target sample collected

Gill nets were placed across the mouth of the Torrance Lateral as it flowed into the Dominguez Channel on April 16, 1994. The nets were deployed for four hours and topsmelt were collected in sufficient volumes for chemical analyses.

Consolidated Slip. Two gill nets were set in the slip on April 12, 1994. The nets were deployed at two locations. The first net was set at the upper end of the slip by the Henry Ford Bridge, and the second was set in the mid-section of the slip on the west side by the lumber loading docks. The nets were set for 6.75 to 7.5 hours. Six topsmelt were collected from the first net, and three topsmelt and three surf perch were collected from the second net.

Crabs were collected from the intertidal zone at CS-4. Biota (including small rock crabs, isopods, mussels, limpets, barnacles, and tube worms) were observed at CS-5 intertidal zone. However, multiple-species composite samples were not proposed and not enough of any one species was observed to provide adequate biomass for a sample. Thus, no intertidal invertebrates were analyzed from CS-5.

3.0 Summary of Analytical Results

Results of chemical analyses for the samples collected in the drainage channels for the Montrose Superfund Site are presented in Appendix D. The analytical data have been validated, and results have been qualified for quantitative or qualitative use on a chemical- and sample-specific basis. A general summary of the results based on quantitative and qualitative use for each media is presented below. Detailed data interpretation has not been conducted in this field report, because it will be conducted as part of the human health and ecological risk assessments.

3.1 Quantitative Results

3.1.1 Surface Water

A limited number of organics (primarily pesticides) as well as various metals were detected in surface water (Table 3-1). All detected organic chemicals were found in the samples from the Kenwood Drain. Concentrations of metals generally decreased moving from the Kenwood Drain down into the Torrance Lateral and into the Dominguez Channel, with the exception of mercury which was detected at similar concentrations throughout the stormwater pathway.

3.1.2 Sediment

Chemicals detected in sediment consisted primarily of pesticides and metals, with a few semi-volatile organics (Table 3-2). Concentrations of metals were relatively consistent throughout the drainage pathways. Pesticide concentrations were also relatively consistent throughout the drainage pathway with the exception of DDT and its breakdown products. These were detected at much higher concentrations in the Normandie Ave./Jones Ditch and Kenwood Drain than in samples collected further downstream. In addition, more pesticides

Table 3-1
Summary of Detected Chemicals - Quantitative
Surface Water
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]								
		KD	TLL	TLU	DC1	DC2	DC3	DC4	CS-U (Unfiltered)	CS-F (Filtered)
Inorganics (µg/L)										
Aluminum	200	562 - 9,700	627	676	289	--	--	--	--	249
Arsenic	10.0	15.4	--	--	--	--	--	--	--	--
Copper	25.0	35.7 - 96.4	25.5 - 29.2	28.1	--	--	--	--	--	--
Cyanide	10.0	31.5	--	--	--	--	--	--	--	--
Iron	100	359 - 10,100	122 - 915	102 - 1,050	248 - 650	220 - 272	205 - 237	162 - 199	107 - 180	--
Lead	3.0	3.3 - 59.9	3.2 - 11.4	3.0 - 15.1	3.3	--	--	--	--	--
Manganese	15.0	110 - 692	15.6 - 167	28.7 - 117	91.8 - 135	58.5 - 79.1	43.6 - 62.2	31.3 - 32.6	21.2 - 29.6	23.6 - 31.4
Mercury	0.20	--	0.21 - 0.66	0.21	0.21 - 0.65	0.21 - 1.0	0.39 - 0.89	0.37	0.2 - 1.3	0.32
Nickel	40.0	53.6	--	--	--	--	--	--	--	--
Zinc	20.0	41.9 - 521	24.7 - 137	23.5 - 60.5	42.3 - 68	28.1 - 40	27.5 - 30.7	24.7 - 25.0	60.5 - 109	21.4 - 84.3

Table 3-1
Summary of Detected Chemicals - Quantitative
Surface Water
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]								
		KD	TLL	TLU	DC1	DC2	DC3	DC4	CS-U (Unfiltered)	CS-F (Filtered)
Organics (µg/L)										
2,4'-DDD	0.10	0.2	--	--	--	--	--	--	--	--
2,4'-DDE	0.10	0.1	--	--	--	--	--	--	--	--
2,4'-DDT	0.10	0.3	--	--	--	--	--	--	--	--
4,4'-DDD	0.10	0.4	--	--	--	--	--	--	--	--
4,4'-DDE	0.10	0.7	--	--	--	--	--	--	--	--
4,4'-DDT	0.10	0.1 - 0.6	--	--	--	--	--	--	--	--
BHC-beta	0.05	0.08 - 0.3	--	--	--	--	--	--	--	--
General Chemistry (mg/L)										
Total Dissolved Solids	20.0	551 - 951	837 - 10,700	1,280 - 13,300	10,300 - 19,700	23,400 - 34,600	24,100 - 26,800	29,500 - 33,200	30,300 - 38,900	--
Total Suspended Solids	10.0	257	13 - 19	--	--	--	--	--	--	--

Table 3-1
Summary of Detected Chemicals - Quantitative
Surface Water
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]								
		KD	TLL	TLU	DC1	DC2	DC3	DC4	CS-U (Unfiltered)	CS-F (Filtered)

[a]DL = Detection Limit (Contract Required Detection Limit for inorganics; Contract Required Quantitation Limit for organics). Achieved detection limit sometimes varied among samples because of interference or other factors, but results for each sample are given in Attachment D.
[b]Minimum and maximum detected concentration listed for each Sample Location Group. A single entry indicates that the chemical was either detected only once or there was only one detected value that has been qualified for quantitative use. All samples unfiltered except as noted for Consolidated Slip. The Sample Location Group includes all samples collected within the indicated drainage pathway. Drainage pathways are listed from upstream to downstream (left to right).

--	=	Not detected, not analyzed for, or not validated for quantitative use (See Table 3-4)
CS-F	=	Consolidated Slip - Filtered Samples
CS-U	=	Consolidated Slip - Unfiltered Samples
DC1	=	Dominguez Channel, Segment 1
DC2	=	Dominguez Channel, Segment 2
DC3	=	Dominguez Channel, Segment 3
DC4	=	Dominguez Channel, Segment 4
KD	=	Kenwood Drain
TLL	=	Torrance Lateral, Lined Portion
TLU	=	Torrance Lateral, Unlined Portion

Table 3-2
Summary of Detected Chemicals - Quantitative
Sediment
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]										
		ND	KD	TLL	TLU	DC1	BDCE	BDCW	DC2	DC3	DC4	CS
Inorganics (mg/kg)												
Aluminum	40.0	6,180 - 20,200	3,640 - 5,360	2,550 - 10,000	2,870 - 16,900	3,340 - 16,300	9,620 - 14,400	9,720 - 15,700	11,900 - 21,200	14,900 - 22,800	5,080 - 22,200	11,800 - 27,200
Arsenic	2.0	4.0 - 10.2	2.9 - 6.2	2.9 - 7.3	2.8 - 11.3	3.3 - 8.6	7.5 - 8.2	8.2 - 10.1	6.5 - 10.3	7.8 - 12.0	5.3 - 17.9	8.2 - 15.3
Barium	40.0	70.6 - 234	58.7 - 131	51.4 - 198	58.6 - 187	58.1 - 119	99.9 - 110	92.3 - 135	86 - 213	101 - 151	144 - 321	125 - 600
Cadmium	1.0	1.4 - 1.7	2.1 - 2.4	1.6 - 2.7	1.5 - 4.5	1.5 - 2.3	1.7 - 2.3	2.8 - 4.2	1.6 - 2.9	2.2 - 4.7	3.4	1.8 - 2.8
Chromium	2.0	12.9 - 33.7	13.8 - 28.0	30.5 - 906	27.4 - 88.8	9.9 - 77.9	42.7 - 145	92.7 - 248	47.7 - 253	60.5 - 219	19.3 - 282	61.3 - 261
Cobalt	10.0	12.5 - 15.7	--	--	22.3	--	-	--	--	--	--	--
Copper	5.0	26.1 - 76.9	40.2 - 54.3	43 - 334	43 - 223	25 - 252	74.1 - 156	128 - 162	81.6 - 131	106 - 164	25.5 - 139	75.9 - 338
Iron	20.0	9,620 - 22,800	6,940 - 9,760	8,440 - 17,400	5,990 - 25,700	6,710 - 25,100	18,200 - 22,200	17,600 - 24,400	18,200 - 30,200	23,000 - 31,600	8,660 - 29,900	17,900 - 40,000
Lead	0.60	34.1 - 103	73.8 - 252	41.2 - 235	41.4 - 290	82.3 - 474	97.2 - 248	215 - 438	119 - 142	132 - 470	28.2 - 381	93.4 - 295
Manganese	3.0	201 - 600	109 - 132	243 - 592	205 - 532	101 - 220	159 - 189	206 - 231	158 - 263	184 - 251	96.6 - 323	193 - 329

Table 3-2
Summary of Detected Chemicals - Quantitative
Sediment
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]										
		ND	KD	TLL	TLU	DC1	BDCE	BDCW	DC2	DC3	DC4	CS
Mercury	0.10	0.12 - 0.29	--	0.32 - 0.35	0.14 - 0.48	0.16 - 0.27	0.19 - 0.29	0.3 - 0.4	0.19 - 0.31	0.18 - 0.42	0.41 - 1.1	0.29 - 1.4
Nickel	8.0	11.9 - 25.5	14.9 - 64.9	10.9 - 29.8	9.4 - 49.1	20.6 - 36.8	23.1 - 31.7	33 - 41.9	24.5 - 30.3	25.7 - 46.2	27 - 42.6	18.5 - 38.3
Selenium	1.0	0.46	--	--	--	--	--	--	--	--	--	--
Silver	2.0	--	--	--	--	3.3	--	--	--	--	--	5.5
Vanadium	10.0	23.1 - 57.5	12.7 - 15.7	12.8 - 33.5	12.8 - 51.0	23.6 - 50.0	37.4 - 47.5	41.5 - 49.2	40.3 - 60.4	45.4 - 66.9	16.4 - 71.9	37.1 - 79.5
Zinc	4.0	174 - 431	195 - 458	211 - 806	110 - 1,040	138 - 548	373 - 488	604 - 887	365 - 624	511 - 808	94.1 - 683	203 - 542
Organics (µg/kg)												
2,4'-DDD	3.0	--	480 - 890	8 - 16	5 - 42	38 - 45	15 - 30	23	45	17 - 44	23 - 26	15 - 120
2,4'-DDE	3.0	--	--	6	--	18	6 - 13	7	--	8 - 12	11	6 - 41
2,4'-DDT	3.0	6,900 - 14,000	600	5 - 6	16 - 21	30 - 160	11 - 16	8 - 100	160	6 - 18	9	92
4,4'-DDD	3.0	7,500	1,700 - 3,300	31 - 97	8 - 75	32 - 160	38 - 75	62 - 870	58 - 130	49 - 120	7 - 88	28 - 330
4,4'-DDE	3.0	11,000 - 30,000	970 - 3,500	27 - 79	6 - 78	6 - 120	62 - 68	59 - 110	67 - 140	54 - 140	11 - 77	27 - 260
4,4'-DDT	3.0	45,000 - 100,000	1,800 - 3,400	16 - 56	44 - 53	6 - 200	7 - 33	12 - 2,400	34 - 520	4 - 76	6 - 62	11 - 62

Table 3-2
Summary of Detected Chemicals - Quantitative
Sediment
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]										
		ND	KD	TLL	TLU	DC1	BDCE	BDCW	DC2	DC3	DC4	CS
Aldrin	2.0	--	--	14	--	--	--	--	--	--	--	5
BHC-alpha	2.0	--	--	3	--	--	--	--	--	--	--	7
BHC-beta	2.0	--	--	12	--	--	--	--	--	--	--	--
BHC-delta	2.0	--	--	--	4	61	--	--	--	4	--	3 - 7
BHC-gamma	2.0	--	--	--	--	--	--	--	--	--	--	5 - 7
Bis (2-ethylhexyl) phthalate	330	--	940	--	470	--	--	--	--	--	--	5,300 - 8,400
Chlordane-alpha	2.0	--	--	4 - 15	2 - 12	5 - 34	14 - 18	22	21	13 - 24	2 - 17	3 - 190
Chlordane-gamma	2.0	--	--	8 - 24	4 - 13	6 - 46	15 - 17	21	14 - 27	17 - 34	3 - 23	6 - 180
Chrysene	330	--	--	--	--	--	--	--	--	--	--	1,100
Dieldrin	3.0	--	--	--	6	17	--	7	--	--	--	7 - 12
Endrin	3.0	--	--	5	--	10	--	--	--	--	--	6
Endrin aldehyde	3.0	--	--	--	--	--	6	--	--	9	--	6 - 10
Endrin ketone	3.0	--	--	6	--	6	--	--	--	--	--	11
Endosulfan I	2.0	--	--	5	--	--	--	--	--	--	--	5
Endosulfan II	3.0	--	--	--	--	--	--	--	--	--	--	21
Fluoranthene	330	--	--	--	--	--	--	--	--	--	--	1,200

Table 3-2
Summary of Detected Chemicals - Quantitative
Sediment
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]										
		ND	KD	TLL	TLU	DC1	BDCE	BDCW	DC2	DC3	DC4	CS
Heptachlor	2.0	--	--	14	--	--	--	--	--	--	--	12
Heptachlor epoxide	2.0	--	--	4	--	--	--	--	--	--	--	--
Pyrene	330	--	--	--	--	--	--	--	--	--	--	1,600
General Chemistry (mg/kg)												
Total Organic Carbon	26.9	10,400 - 21,700	6,110 - 19,200	8,140 - 30,500	2,920 - 46,200	5,500 - 40,500	25,100 - 34,000	27,400 - 34,600	22,500 - 58,000	24,000 - 58,200	4,760 - 46,100	10,200 - 47,700

[a]DL = Detection Limit (Contract Required Detection Limit for inorganics; Contract Required Quantitation Limit for organics). Achieved detection limit sometimes varied among samples because of interference or other factors, but results for each sample are given in Attachment D.
[b]Minimum and maximum detected concentration listed for each Sample Location Group. A single entry indicates that the chemical was either detected only once or there was only one detected value that has been qualified for quantitative use. The Sample Location Group includes all samples collected within the indicated drainage pathway. Drainage pathways are listed from upstream to downstream (left to right).

-- = Not detected, not analyzed for, or not validated for quantitative use (See Table 3-5)
CS = Consolidated Slip
BDCE = East Bank of Dominguez Channel
BDCW = West Bank of Dominguez Channel
DC1 = Dominguez Channel, Segment 1
DC2 = Dominguez Channel, Segment 2
DC3 = Dominguez Channel, Segment 3
DC4 = Dominguez Channel, Segment 4
KD = Kenwood Drain
ND = Normandie Avenue/Jones Ditch
TLL = Torrance Lateral, Lined Portion
TLU = Torrance Lateral, Unlined Portion

were detected in the Consolidated Slip than in other drainages, indicating that the slip may serve as a sink for chemicals transported downstream during storm events or through tidal action.

3.1.3 Biota

Chemicals detected in biota samples consisted of metals, semi-volatile organics, and one pesticide (Table 3-3). Metals detected include aluminum, lead, mercury, selenium, and zinc, however a trend in concentration based on location in the drainage pathway is not evident. Semi-volatiles were detected primarily in upstream or downstream locations, with only a few detects in samples collected from locations in the middle of the drainage pathway.

The only pesticide detected in biota samples was 4,4'-DDE. Biota samples that had accumulated DDE were collected in the upstream portions of the Torrance Lateral and Dominguez Channel, and in the Consolidated Slip.

3.2 Qualitative Results

Many of the results were validated for qualitative use only ("L" qualifier). These results fell below the Contract Required Quantitation Limit (organics) or between the Method Detection Limit or Instrument Detection Limit and the Contract Required Detection Limit (inorganics), and therefore have been estimated. The estimated values are considered qualitatively acceptable. A summary of the chemicals that have been validated for qualitative use only is presented below and the chemicals are listed in Tables 3-4, 3-5, and 3-6.

3.2.1 Surface Water

Chemical results for surface water that have been validated for qualitative use consist primarily of metals (Table 3-4). These results were from all drainages sampled, and

Table 3-3
Summary of Detected Chemicals - Quantitative
Biota
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]							
		TLL	TLU	DC1	TLDC	DC2	DC3	DC4	CS
Inorganics (mg/kg)									
Aluminum	40.0	51.4 - 71.2			46.3 - 81.9	44.3	61.7	39.7 - 76.9	85.5 - 97.0
Cadmium	1.0		1.0 - 1.4	1.1		1.2			
Chromium	2.0	2.7							
Copper	5.0				5.8 - 9.4		24.2	29.0	19.4 - 30.2
Iron	20.0	70.1 - 223	43.5 - 81.3	38.9[c] - 67.3	86.7 - 152	109	107	60.2 - 198	47.7 - 239
Lead	0.60	0.58 - 1.8	1.0 - 1.1	0.58	0.62 - 1.2	0.9	1.7	1.2 - 2.5	1.6 - 4.2
Manganese	3.0	7.7 - 14.0	4.2 - 8.3	7.3	4.2 - 6.0	6.9	32.2	4.9 - 21.0	3.2 - 28.6
Mercury	0.10								0.1
Selenium	1.0		1.0	1.0 - 1.1[c]		1.2			
Zinc	4.0	37.2 - 45.4	12.8 - 19.7	14.3 - 18.4[c]	56.0 - 61.5	16.0	29.2	26.8 - 42.2	4.7 - 42.1
Organics (µg/kg)									
2-Butanone	10.0	68 - 15,000						110 - 340	50 - 250
4,4'-DDE	10.0	68 - 110		1,300[c]	120 - 230				33 - 240
4-Methylphenol	330	5,800 - 17,000							
Acetone	10.0	980 - 16,000	680 - 890	970	3,500 - 8,000	650	7,700	13,000	6,100 - 140,000
Bis(2-ethylhexyl)-phthalate	330	1,500 - 46,000							17,000
Di-n-butylphthalate	330	1,100			1,100 - 1,400			1,000	1,400 - 2,500

Table 3-3
Summary of Detected Chemicals - Quantitative
Biota
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Range of Detected Concentrations for Sample Location Group[b]							
		TLL	TLU	DC1	TLDC	DC2	DC3	DC4	CS
Methylene chloride	10.0							140	170
Phenol	330						6,900		

[a]DL = Detection Limit (Contract Required Detection Limit for inorganics; Contract Required Quantitation Limit for organics). Achieved detection limit sometimes varied among samples because of interference or other factors, but results for each sample are given in Attachment D.
[b]Minimum and maximum detected concentration listed for each Sample Location Group. A single entry indicates that the chemical was either detected only once or there was only one detected value that has been validated for quantitative use. Sample Location Group includes all samples collected within the indicated drainage pathway. Drainage pathways are listed from upstream to downstream (left to right).
[c]Values are from a duck egg collected along Dominguez Channel.

-- = Not detected, not analyzed for, or not validated for quantitative use (See Table 3-6)
CS = Consolidated Slip
DC1 = Dominguez Channel, Segment 1
DC2 = Dominguez Channel, Segment 2
DC3 = Dominguez Channel, Segment 3
DC4 = Dominguez Channel, Segment 4
TLDC = Torrance Lateral at the Dominguez Channel
TLL = Torrance Lateral, Lined Portion
TLU = Torrance Lateral, Unlined Portion

Table 3-4
Summary of Detected Chemicals - Qualitative
Surface Water
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Sample Location Group[b]								
		KD	TLL	TLU	DC1	DC2	DC3	DC4	CS-U (unfiltered)	CS-F (filtered)
Inorganics (µg/L)										
Aluminum	16.5					X	X	X	X	
Antimony	10.8			X		X	X	X		
Arsenic	1.5		X	X	X	X	X	X	X	
Barium	3.1	X	X	X	X	X	X	X	X	X
Cadmium	1.0	X	X		X	X				
Chromium	4.4	X	X		X	X	X	X	X	
Cobalt	2.3	X								
Copper	3.1				X	X	X	X	X	X
Iron	4.8									X
Lead	1.5						X	X		X
Nickel	4.5		X	X						
Selenium	2.1	X	X	X					X	
Thallium	2.2				X	X			X	X
Vanadium	2.6	X	X	X	X	X	X	X	X	X
Organics (µg/L)										
BHC-alpha	0.05	X								
BHC-beta	0.05	X								
Bromodichloromethane	10.0	X								
Diethylphthalate	10.0									X

Table 3-4
Summary of Detected Chemicals - Qualitative
Surface Water
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Sample Location Group[b]								
		KD	TLL	TLU	DC1	DC2	DC3	DC4	CS-U (unfiltered)	CS-F (filtered)

[a]DL = Detection Limit (Instrument Detection Limit for inorganics; Contract Required Detection Limit for organics). Achieved detection limit sometimes varied among samples because of interference or other factors, but results for each sample are given in Attachment D.

[b]Sample Location Group includes all samples collected within the indicated drainage pathway. Drainage pathways are listed from upstream to downstream (left to right).

CS-F = Consolidated Slip - Filtered Samples
CS-U = Consolidated Slip - Unfiltered Samples
DC1 = Dominguez Channel, Segment 1
DC2 = Dominguez Channel, Segment 2
DC3 = Dominguez Channel, Segment 3
DC4 = Dominguez Channel, Segment 4
KD = Kenwood Drain
TLL = Torrance Lateral, Lined Portion
TLU = Torrance Lateral, Unlined Portion

indicate that low concentrations of most metals are present in the surface water. A few pesticides and semi-volatile organics were also detected in the Kenwood Drain and Consolidated Slip at low concentrations.

3.2.2 Sediment

Chemical results for sediment that have been validated for qualitative use consist of metals, pesticides, and volatile and semi-volatile organics (Table 3-5). The metals included antimony, beryllium, mercury, and selenium; and were detected in most of the drainages sampled.

A few pesticides were also detected in low concentrations (DDD, DDE, dieldrin, endrin, endrin ketone, and endosulfan II) in both upstream and downstream locations.

The volatile and semi-volatile organics with qualitative results appear to be located primarily in the Kenwood Drain, Torrance Lateral - Unlined Segment, and the Consolidated Slip. However these were the only portions of the drainage pathway in which samples were analyzed for volatile and semi-volatile organics. In addition, it must be noted that only one sample within each selected drain (plus a duplicate) was analyzed for volatile and semi-volatile organics.

3.2.3 Biota

Chemicals detected in biota that have been validated for qualitative use include metals and pesticides, and a few volatile and semi-volatile organics (Table 3-6). Metals were detected in all drainage pathways sampled, whereas pesticides were found more frequently in the Torrance Lateral - Lined Segment, Torrance Lateral at the confluence with the Dominguez Channel, and in the Consolidated Slip.

Table 3-5
Summary of Detected Chemicals - Qualitative
Sediment
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Sample Location Group[b]										
		ND	KD	TLL	TLU	DC1	BDCE	BDCW	DC2	DC3	DC4	CS
Inorganics (mg/kg)												
Antimony	2.2				X		X	X		X	X	X
Beryllium	0.16	X		X	X		X			X	X	X
Cobalt	0.46		X	X		X	X	X	X	X	X	X
Mercury	0.05		X									
Selenium	0.42					X			X			X
Silver	0.60	X	X	X	X		X	X	X	X	X	
Organics (µg/kg)												
2,4'-DDD	3.0	X										
2,4'-DDE	3.0	X	X		X							
2-Butanone	10.0											X
2-Methylnaphthalene	330											X
Acenaphthylene	330				X							
Anthracene	330		X									X
Benzene	10.0				X							
Benzo(a)anthracene	330		X		X							X
Benzo(a)pyrene	330		X		X							X
Benzo(b)fluoranthene	330		X		X							X
Benzo(g,h,i)perylene	330		X		X							X
Benzo(k)fluoranthene	330		X		X							X
Butylbenzylphthalate	330		X									X
Carbazole	330		X									X
Chrysene	330		X		X							X
Dieldrin	3.0									X		
Di-n-butylphthalate	330		X		X							X
Di-n-octylphthalate	330		X									X
Endosulfan II	3.0						X				X	

Table 3-5
Summary of Detected Chemicals - Qualitative
Sediment
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Sample Location Group[b]										
		ND	KD	TLL	TLU	DC1	BDCE	BDCW	DC2	DC3	DC4	CS
Endrin	3.0						X				X	
Endrin ketone	3.0										X	
Fluoranthene	330		X		X							X
Indeno(1,2,3-cd) pyrene	330		X		X							X
Phenanthrene	330		X									X
Pyrene	330		X		X							X
Toluene	10.0				X							

[a]DL = Detection Limit (Method Detection Limit for inorganics; Contract Required Detection Limit for organics). Achieved detection limit sometimes varied among samples because of interference or other factors, but results for each sample are given in Attachment D.

[b]Sample Location Group includes all samples collected within the indicated drainage pathway. Drainage pathways are listed from upstream to downstream (left to right).

CS = Consolidated Slip
BDCE = East Bank of Dominguez Channel
BDCW = West Bank of Dominguez Channel
DC1 = Dominguez Channel, Segment 1
DC2 = Dominguez Channel, Segment 2
DC3 = Dominguez Channel, Segment 3
DC4 = Dominguez Channel, Segment 4
KD = Kenwood Drain
ND = Normandie Avenue/Jones Ditch
TLL = Torrance Lateral, Lined Portion
TLU = Torrance Lateral, Unlined Portion

Table 3-6
Summary of Detected Chemicals - Qualitative
Biota
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Sample Location Group[b]							
		TLL	TLU	DC1	TLDC	DC2	DC3	DC4	CS
Inorganics (mg/kg)									
Aluminum	8.0		X	X					
Antimony	5.0				X			X	
Arsenic	0.40		X	X	X	X	X	X	X
Barium	0.40	X	X	X	X	X	X	X	X
Cadmium	0.40	X			X			X	X
Chromium	0.40		X		X		X	X	X
Cobalt	0.60							X	
Copper	0.80	X	X	X		X			
Mercury	0.04	X			X				
Selenium	0.40	X			X				X
Vanadium	0.80	X			X			X	
Organics (µg/kg)									
2,4'-DDD	10.0	X			X				X
2,4'-DDT	10.0				X				
2-Butanone	10.0				X	X			
4,4'-DDD	10.0	X	X	X	X				X
4,4'-DDE	10.0		X			X	X	X	
4,4'-DDT	10.0	X		X					X
BHC-gamma	5.0				X				
Bis(2-ethylhexyl)phthalate	330		X					X	
Chlordane-alpha	5.0	X			X				X
Chlordane-gamma	5.0								X
Di-n-butylphthalate	330		X				X		
Endosulfan II	10.0				X				X

Table 3-6
Summary of Detected Chemicals - Qualitative
Biota
Montrose Superfund Site
April 11-15, 1994

Chemical	DL[a]	Sample Location Group[b]							
		TLL	TLU	DC1	TLDC	DC2	DC3	DC4	CS
Endrin	10.0				X				
Heptachlor epoxide	5.0	X							
Methoxychlor	50.0				X				
Methylene chloride	10.0	X	X	X		X	X		
Toluene	10.0	X				X			
Xylene (meta- and para-)	10.0	X						X	

[a]DL = Detection Limit (Method Detection Limit for inorganics; Contract Required Quantitation Limit for organics). Achieved detection limit sometimes varied among samples because of interference or other factors, but results for each sample are given in Attachment D.
[b]Sample Location Group includes all samples collected within the indicated drainage pathway. Drainage pathways are listed from upstream to downstream (left to right).

CS = Consolidated Slip
DC1 = Dominguez Channel, Segment 1
DC2 = Dominguez Channel, Segment 2
DC3 = Dominguez Channel, Segment 3
DC4 = Dominguez Channel, Segment 4
TLDC = Torrance Lateral at the Dominguez Channel
TLL = Torrance Lateral, Lined Portion
TLU = Torrance Lateral, Unlined Portion

4.0 References

CH2M HILL. 1993. Sampling and Analysis Plan For Sediment, Surface Water, and Biological Sampling. Montrose Superfund Site, Los Angeles, California. June.

Attachment A
Maps and Photographs of Sampling Locations

Attachment A

Maps and Photographs of Sampling Locations

Maps of Sampling Locations

Sampling locations for the Dominguez Channel, Consolidated Slip, Kenwood Drain, and the Torrance Lateral are shown or described in the following figures:

- Figure A-1: Sampling Locations in the Dominguez Channel and the Consolidated Slip
- Figure A-2: Sampling Locations in the Kenwood Drain
- Figure A-3: Sampling Locations in the Torrance Lateral

Photographs of Sampling Locations

Survey and sampling locations are listed by date and drainage in Table A-1, which is followed by the photographs.

Table A-1
Photograph List
Surface Water and Sediment Field Effort
Montrose Superfund Site
April 11-16, 1994

Photo No.[a]	Date	Description
Dominguez Channel Sediment Survey		
1	4-11-94	Dominguez Channel at marker #62.
2	4-11-94	Dominguez Channel at marker #62 looking up channel.
3	4-11-94	Dominguez Channel at marker #62 looking down channel.
4	4-11-94	Dominguez Channel at marker #48 looking up channel.
5	4-11-94	Dominguez Channel at marker #48 looking down channel.
6	4-11-94	Dominguez Channel at marker #42 looking down channel.
7	4-11-94	Dominguez Channel at marker #35 looking up channel.
8	4-11-94	Dominguez Channel at marker #35 looking down channel.
9	4-11-94	Dominguez Channel at marker #32 looking up channel.
10	4-11-94	Dominguez Channel at marker #32 looking down channel.
Kenwood Drain		
11	4-11-94	Catch basin 1 at uppermost end. Not enough water to sample and no sediment present.
12	4-11-94	Manhole 4 located at 20531 Kenwood Ave.; surface water sample location KD-3.
13	4-11-94	Bruce Macler/EPA and Brain Mossberg/LADPW removing cover of Manhole 4.
14	4-11-94	Vertical view of Manhole 4, with sediment on bottom.
15	4-11-94	Manhole 5 located at 20703 Kenwood Ave.; sediment sample location KD-1.
16	4-11-94	Marjorie Castleberry/CH2M HILL and Susan Scanlon/CH2M HILL collecting sediment samples at KD-1 (Manhole 5).
17	4-11-94	Manhole 7 on Torrance Blvd.; (L-R) Marjorie Castleberry/CH2M HILL, Susan Scanlon/CH2M HILL, Bruce Macler/EPA, and Susan Keydel/CH2M HILL checking manhole for presence of surface water and sediment.
18	4-11-94	Manhole 8 between 209th and 210th Sts. Marjorie Castleberry/CH2M HILL and Susan Scanlon/CH2M HILL investigating manhole, Herad Emadi/McLaren Hart and Brian Mossberg/LADPW looking on.
Consolidated Slip		
19,20, 21	4-12-94	Harry Ohlendorf/CH2M HILL and Trudy Pulley/CH2M HILL deploying gill net across the mouth of the Dominguez Channel at the upper end of the slip.
22	4-12-94	Upstream end of slip by Henry Ford Bridge with intertidal zone on right.
23	4-12-94	Consolidated Slip mid channel by lumber loading docks, sample location CS-2.
24	4-12-94	Consolidated Slip at lower end of channel; sample location CS-3.
25	4-12-94	Consolidated Slip at bottom end of channel in the intertidal zone; sample location CS-5

Table A-1
Photograph List
Surface Water and Sediment Field Effort
Montrose Superfund Site
April 11-16, 1994

Photo No.[a]	Date	Description
26	4-12-94	Earl Byron/CH2M HILL collecting crabs at CS-5.
27	4-12-94	Earl Byron/CH2M HILL and Trudy Pulley/CH2M HILL collecting surface water samples at sample location CS-1 with Kieth Lee/McLaren Hart looking on.
28	4-12-94	Susan Keydel/CH2M HILL filtering surface water samples from Consolidated Slip.
Torrance Lateral - Lined Segment		
29	4-13-94	Torrance Lateral upstream from unlined/lined transition; sample location TLL-1.
30	4-13-94	Sample location TLL-2.
31	4-13-94	Sample location TLL-3; Gary Santolo/CH2M HILL sampling.
32	4-13-94	Sample location TLL-4; sediment bar.
33	4-13-94	Sample location TLL-5; small sediment bar with vegetation.
34	4-13-94	Sample location TLL-6.
35	4-13-94	Sample location TLL-7; small sediment island with vegetation on right side of picture.
36	4-13-94	Sample location TLL-8; furthest upstream sediment location.
Dominguez Channel Sampling		
37	4-14-94	Sample location DC2-3 (channel marker #45) looking down channel.
38	4-14-94	Sample location DC2-4 (channel marker #42) looking up channel.
39	4-14-94	Sample location DC2-5 (channel marker #40) looking up channel.
40	4-14-94	Sample location DC3-1 (channel marker #39) looking down channel towards the I-405 overpass.
41	4-14-94	Sample location DC3-2 (channel marker #35) looking down channel at ARCO refinery.
42	4-14-94	Sample location DC3-3 (channel marker #31) looking up channel at curve within ARCO boundary.
43	4-14-94	Sample location DC3-4 (channel marker #28) looking up channel at the Sepulveda overpass.
44	4-14-94	Sample location DC3-5 (channel marker #24) looking up channel at refinery.
45	4-14-94	Sample location DC4-1 (channel marker #18) looking up channel.
46	4-15-94	Sample location DC4-2 (channel marker #14) looking down channel.
47	4-15-94	Sample location DC4-3 (channel marker #10) looking up channel.
48	4-15-94	Sample location DC4-4 (channel marker #6) looking up channel.
49	4-15-94	Sample location DC4-5 (channel marker #2) looking up channel towards Union Carbide refinery.

Table A-1
Photograph List
Surface Water and Sediment Field Effort
Montrose Superfund Site
April 11-16, 1994

Photo No.[a]	Date	Description
50	4-15-94	Teenagers collecting and eating mussels from the Dominguez Channel between sample locations DC4-4 and DC4-3.
51,52	4-15-94	Beach seining for fish at the confluence of the Torrance Lateral (to the left) and the Dominguez Channel (to the right).

[a]In the process of ordering photographs by day for the two sampling teams, photograph numbers have been changed from those listed in the field log books.

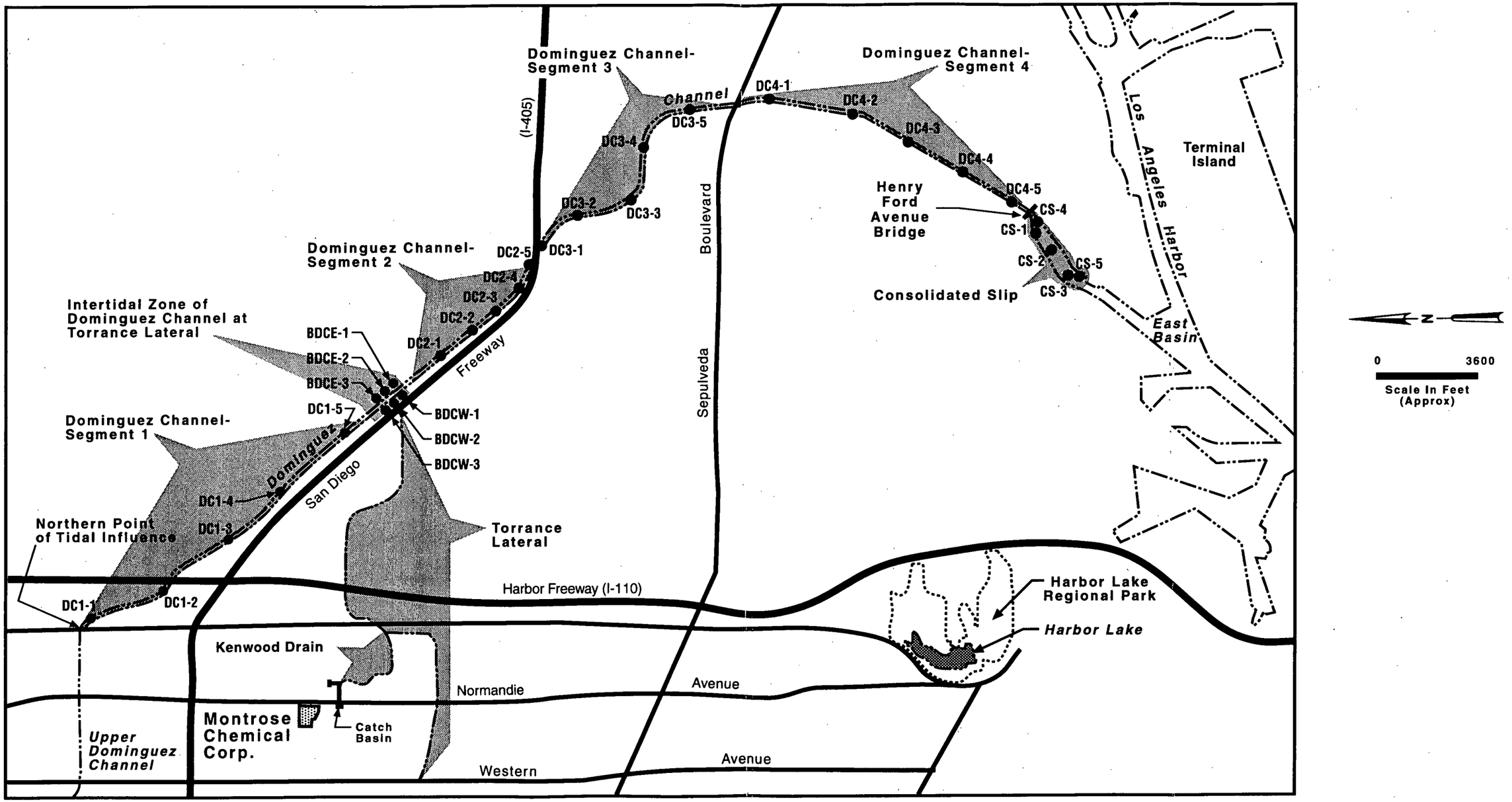


FIGURE A-1
SAMPLING LOCATIONS IN THE DOMINGUEZ CHANNEL AND CONSOLIDATED SLIP
MONTROSE SUPERFUND SITE

CH2M HILL

BAE69132.04.03 2/28/95 pm

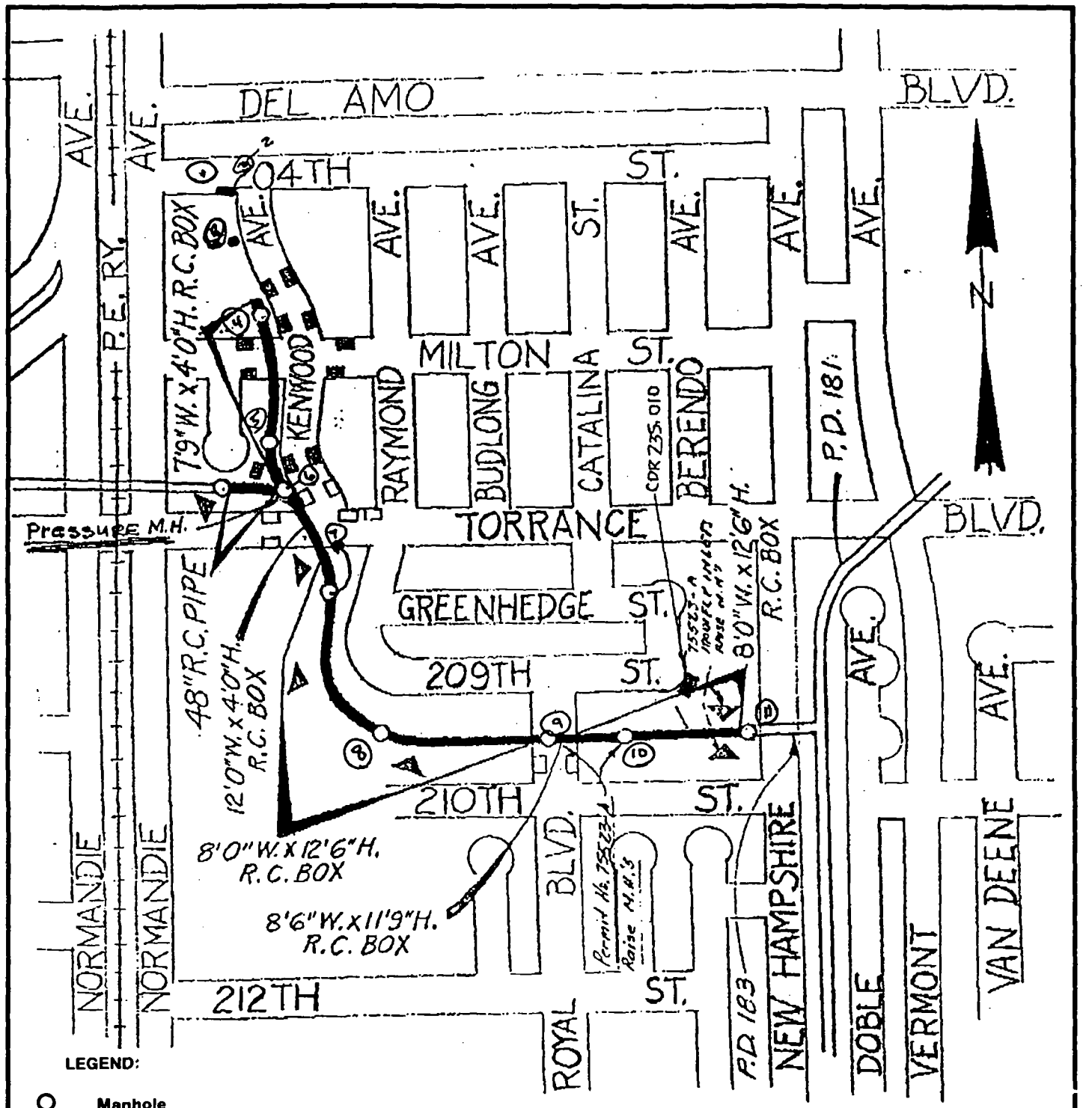


FIGURE A-2
SAMPLING LOCATIONS
IN THE KENWOOD DRAIN
MONTROSE SUPERFUND SITE

CH2M HILL

BAE69132.04.03

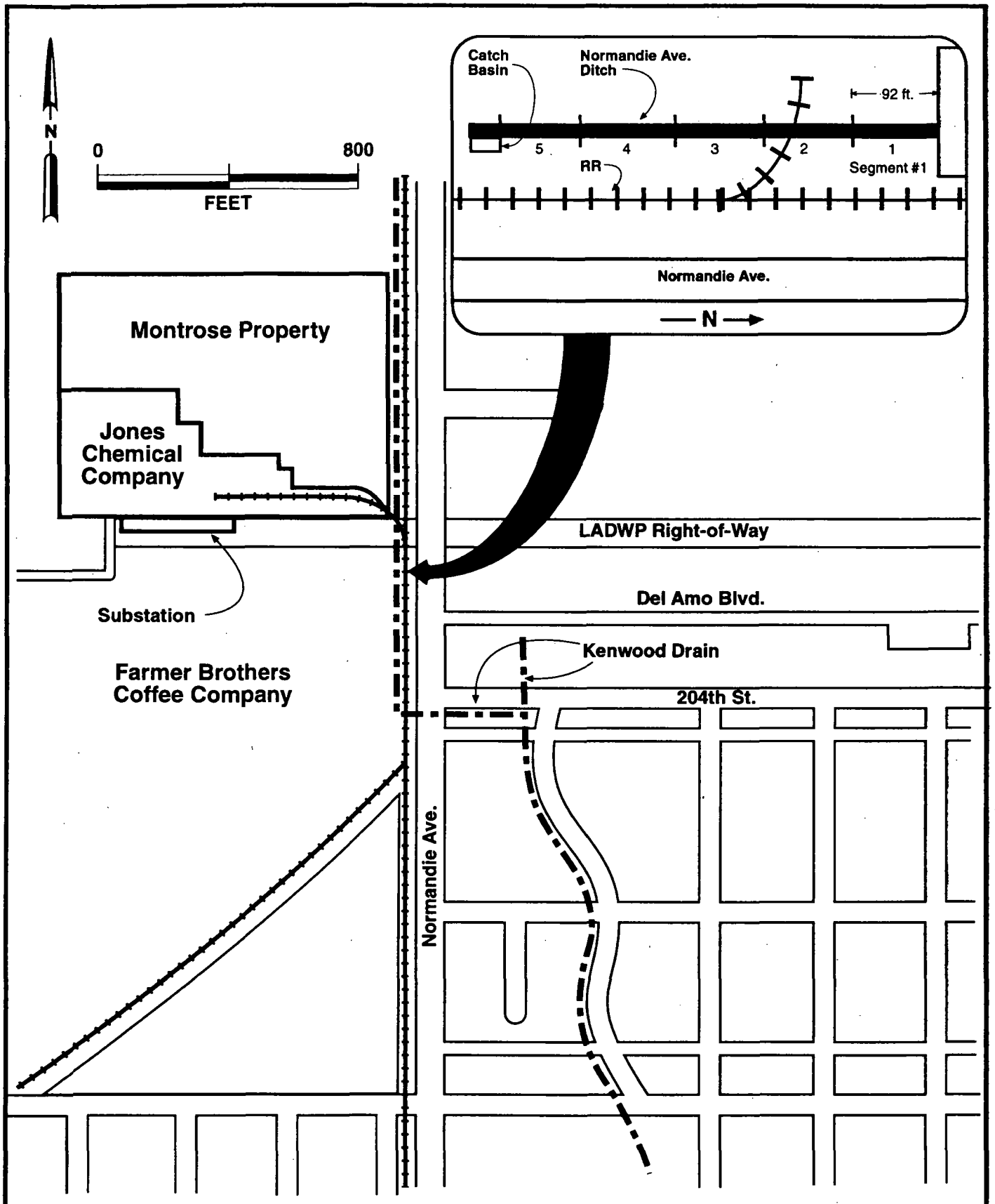


Figure A-3
Sediment Sample Locations in the Normandie Avenue Ditch
MONTROSE SUPERFUND SITE

CH2MHILL

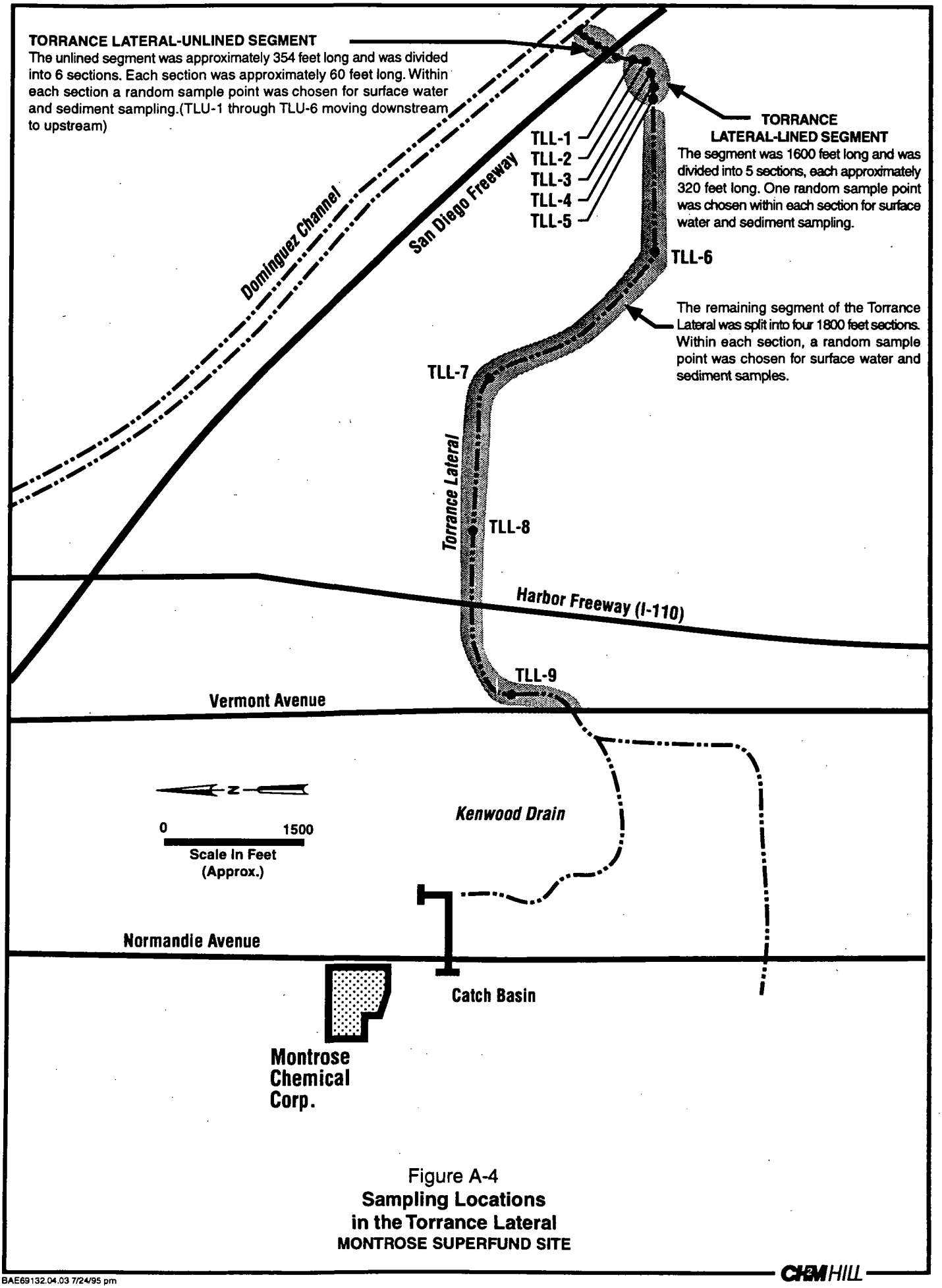


Figure A-4
Sampling Locations in the Torrance Lateral
MONTROSE SUPERFUND SITE

BAE69132.04.03 7/24/95 pm

CH2MHILL

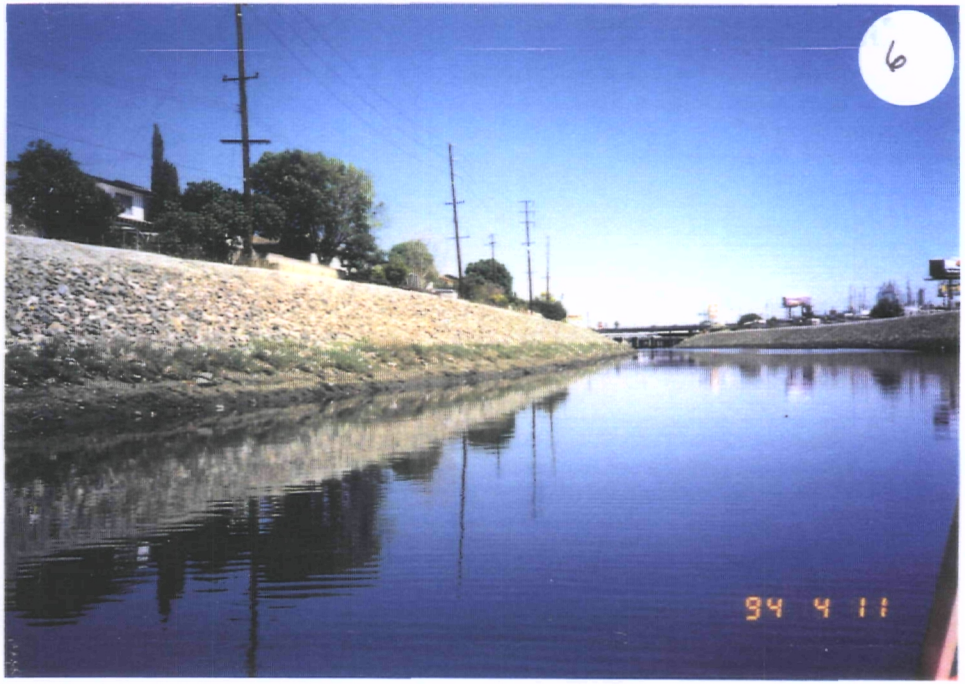
1
94 4 11

2
94 4

3
94 4 11

4

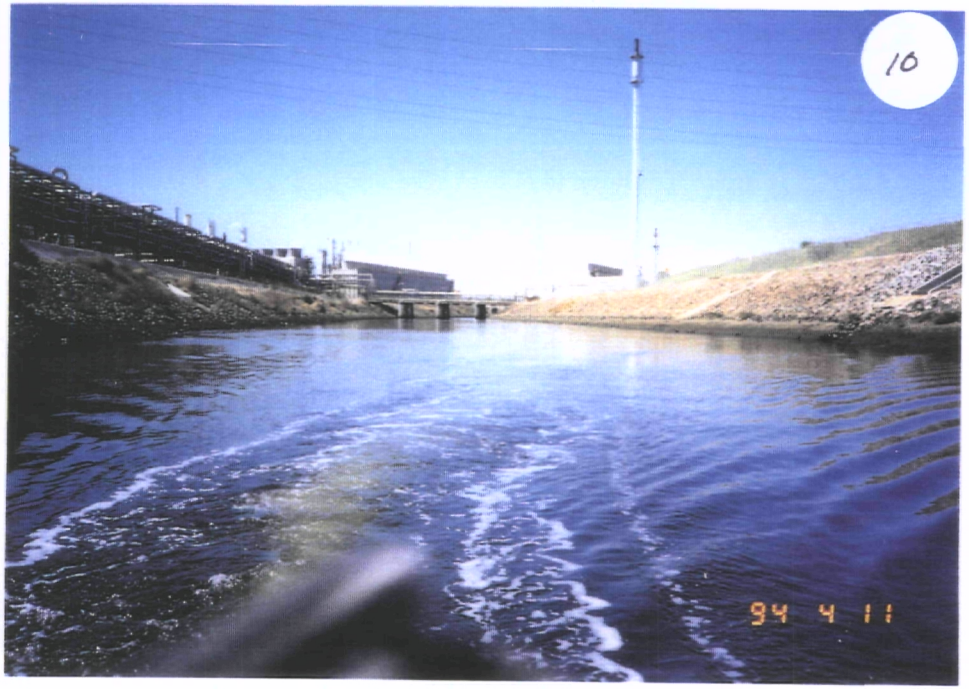
5
94 4 11


6
94 4 11

7
94 4 11

8
94 4 11

9
94 4 11


10
94 4 11

11
1202
4 11'94

12
4.11'94

13

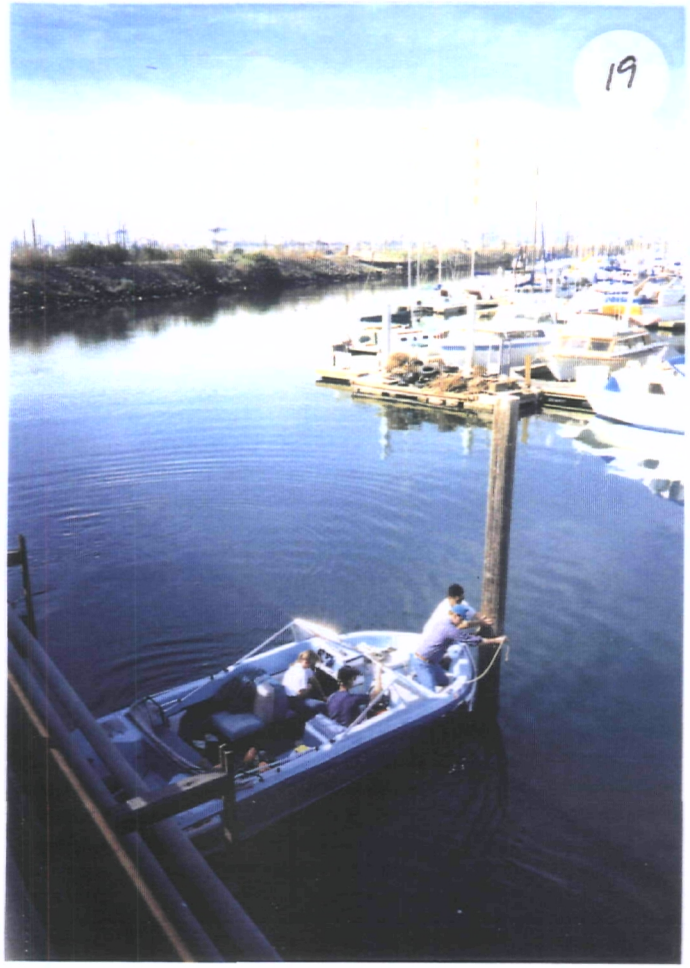
14

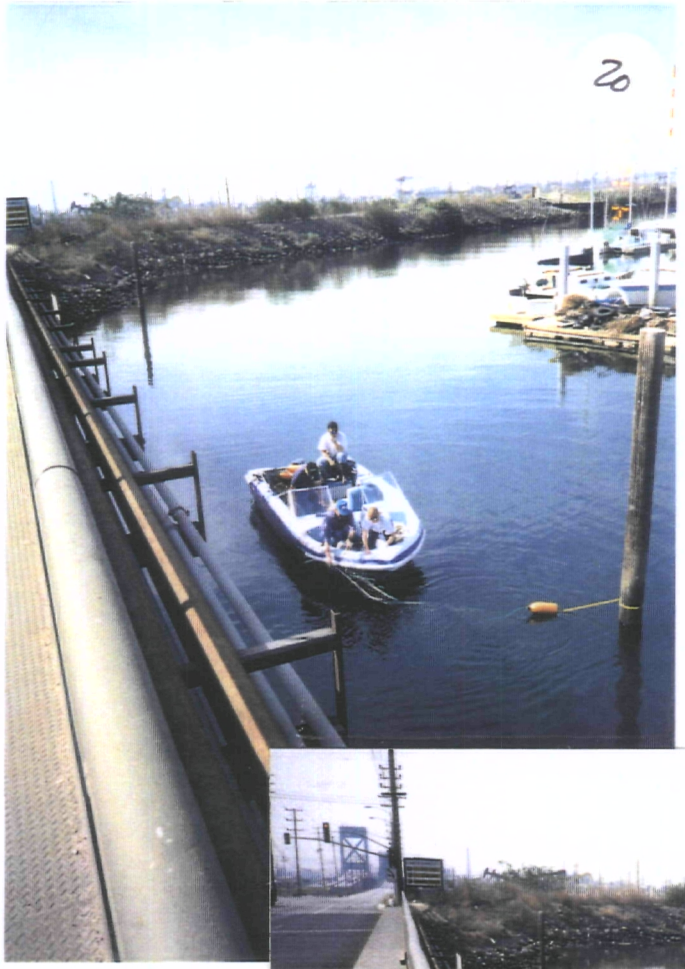
15

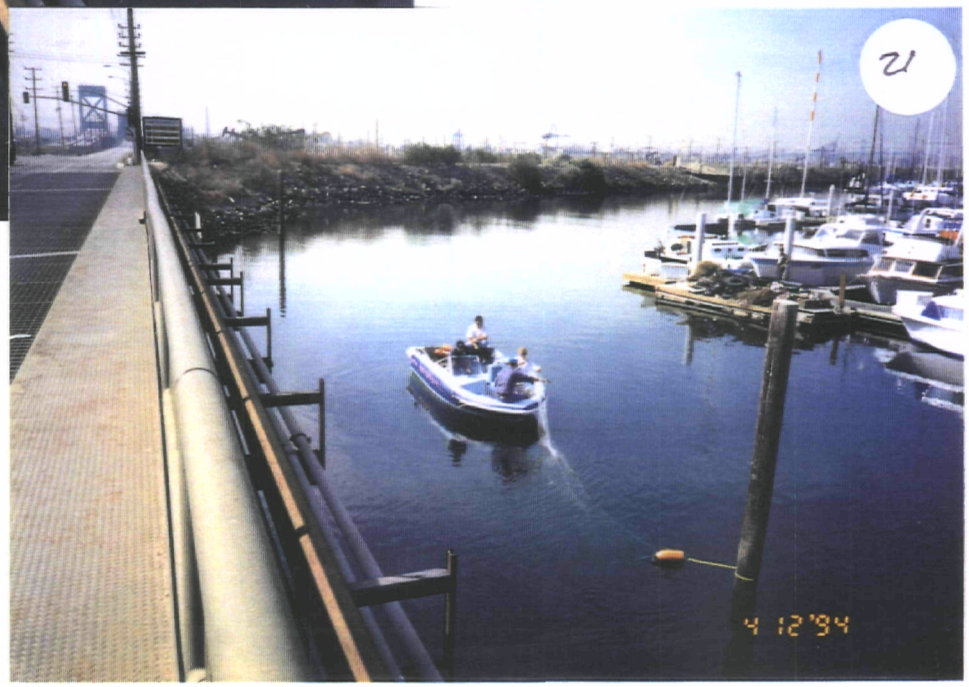
16
4 1 '94

17
4 1 '94

18
4 1 '94


19


20


21
4 12'94

22
94 4 12

23
94 4 12

24
94 4 12

25
94 4 12

26

27
94 4 12

28

29
4 13'94

30
4 13'94

31
4 13'94

32
4 13'94

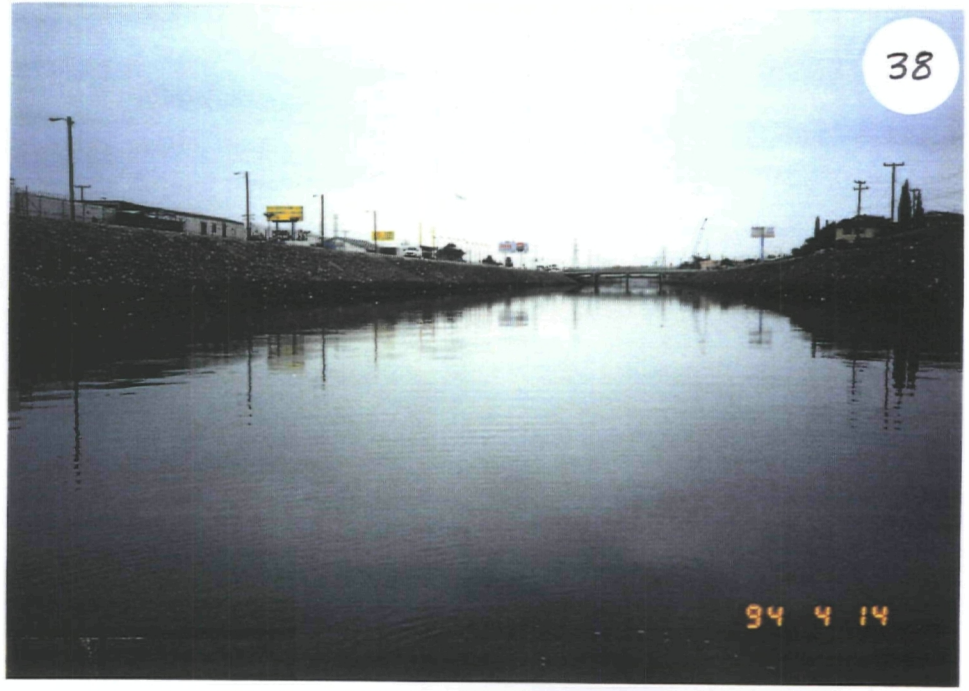
33
4 13'94

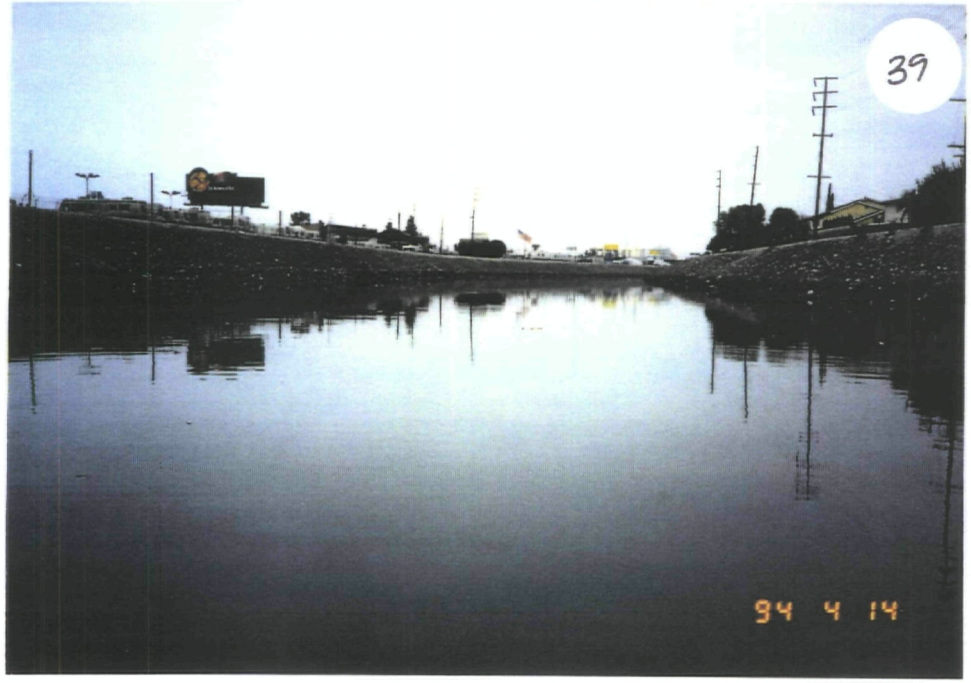
34
4 13'94

35
4 13'94

36
4 13'94

37
94 4 14


38
94 4 14

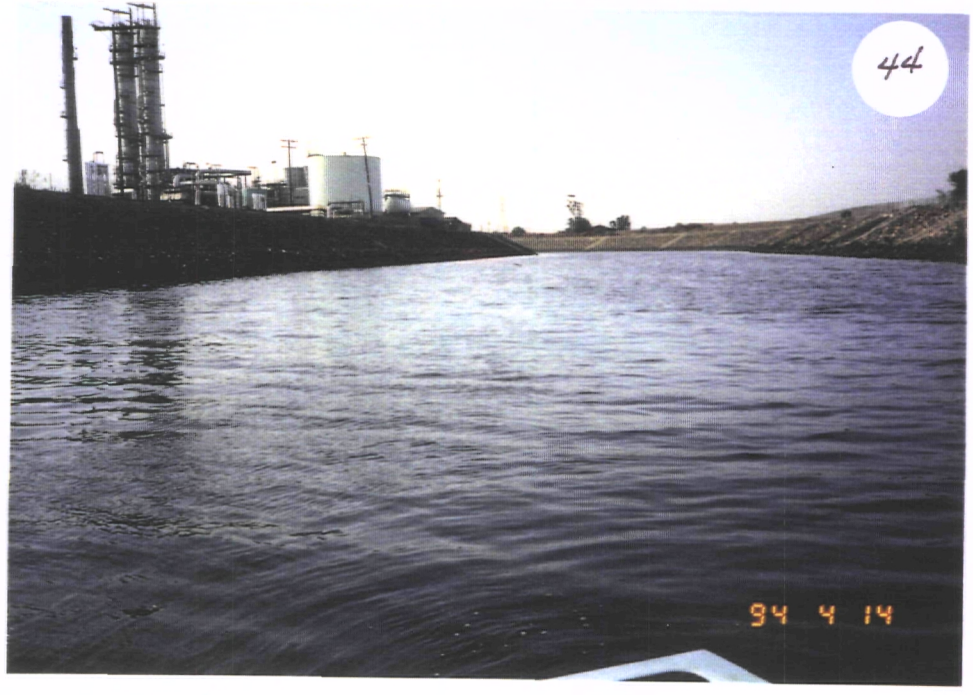

39
94 4 14

40

41
94 4 14

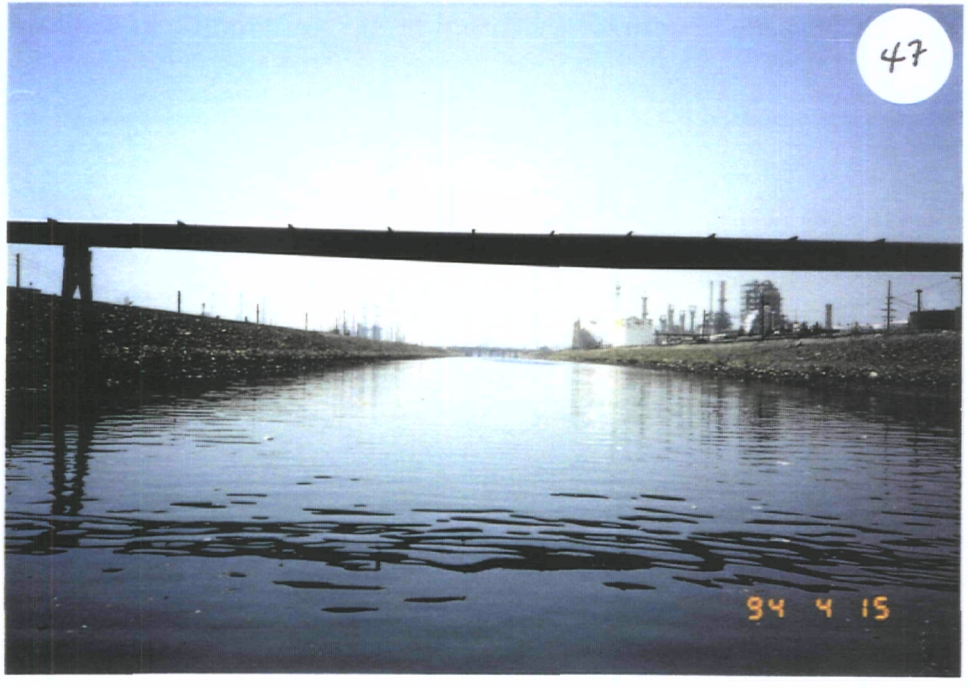
42
94 4 14

43
94 4 14


44
94 4 14

45
94 4 14

46
94 4 15


47
94 4 15

48
94 4 15

49
94 4 15

50
94 4 15

51
94 4 15

52
94 4 15

Attachment B
Chain of Custody Forms

Attachment B

Chain of Custody Forms

Chain of custody forms for the Montrose Superfund Site field sampling effort that was conducted from April 11 through April 16, 1994 are presented by sample date and analytical laboratory.

United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing Chain of Custody

[redacted] 3[redacted]-Y-[redacted]

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-11-94	Fed. Express

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	9020240471

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	Ceimic Corporation 10 Dean Knauss Drive Narragansett, RI 02887 ATTN: Miguel Muzzio

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID:

3. Purpose*

Lead	Early Action		Long-Term Action
[X] SF	[ ] CLEM	[ ] SI	[ ] FS
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD
[ ] ST	[ ] REM	[ ] RI	[ ] RA
[ ] FED		[ ] OIL	[ ] O&M
		[ ] UST	[ ] NPLD

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval — = Not a QC Sample
SYA803	5	L	C	6	TOC	1-4oz	KD-1	4-11-94 1011	MC	—
SYA804	5	L	C	6	TOC	1-4oz	KD-2	4-11-94 1415	[illegible]	—
SYA808	5	L	C	6	TOC	1-4oz	KD-6	4-11-94 1400	[illegible]	D(SYA804)

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1	~~SYA803~~	[illegible] Mayone Costelberry	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-11-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38332

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-11-94	Fed. Express

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020240456

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

5. Ship To: Southwest Labs of Oklahoma
1700 West Albany Suite C
Broken Arrow, OK 74012
ATTN: Harry Bory

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
YQ169	1	L	G		1	~~N~~6			2-40ml, 2-1L	KD-1	4/11/94 1130	SS	—	—
YQ170	1	L	G		1	~~N~~6			2-40ml, 2-1L	KD-6	4/11/94 1230	SS	—	D(YQ169)
YQ173	5	L	C		6	6			4-4oz, 2-8oz	KD-1	4/11/94 1011	MC	—	—

Shipment for Case complete? (Y/N) N

Page 1 of 1

Sample used for a spike and/or duplicate: YQ173

Additional Sampler Signatures: Mayone Castlebury

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.11.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

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C[redacted] Ret[redacted] SMO [redacted]

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EPA — Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody — SAS No.: 8351-Y-02

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-11-94	Fed Express

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902024048 2

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	Southwest Research Institute 6220 Culebra Road San Antonio, TX 78238 ATTN: Jo Ann Boyd

Site Name	3. Purpose*	
Montrose	Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	

City, State	Site Spill ID
Torrance, CA	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preser-vative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA862	S	L	C	6	Grain Size	1-80z	KD-1	4/1.94 1011	MC	—
SYA863	S	L	C	6	Grain Size	1-80z	KD-2	4/1.94 1415	SMC	—
SYA867	S	L	C	6	Grain Size	1-80z	KD-6	4.1.94 1400	SMC	D(SYA863)

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
Y	1 of 1		Susan Scanlon Marjorie Castleberry	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.11.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

A21-012-7 REV. 3/93

38333

3

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (If applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-11-94	Fed. Express

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902024046O

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner & Sherman Labs, Inc.
300 Second Ave.
Waltham MA 02254
ATTN: Antonia Benney

Site Name: Montrose

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

City, State: Torrance, CA

Site Spill ID

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis: CN VOA	E: Total Metals BNA	E: Metals CN Pest/ PCB	E: High only ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN534	1	L	G	5	5	2			1-1L, 1-1L	KD-1	4/11/94 1130	SS	—	—
MYN539	1	L	G		5	2			1-1L, 1-1L	KD-6	4/11/94 1230	SS	—	D(MYN534)
MYN542	5	L	C				6		2-80z	KD-1	4/11/94 1011	MC	—	—
MYN543	5	L	C				6		1-80z	KD-2	4/11/94 1415	SPL	—	—
MYN547	5	L	C				6		1-80z	KD-6	4/11/94 1400	SPL	—	D(MYN543)
MYN536	1	L	G		5	2			1-1L, 1-1L	KD-3	4/11/94 1535	SPL	—	—
MYN535	1	L	G		5	2			1-1L, 1-1L	KD-2	4/11/94 1415	SPL	—	—
									5 = NaOH					

Shipment for Case complete? (Y/N)

Page 1 of 1

Sample used for a spike and/or duplicate: MYN542

Additional Sampler Signatures: Susan Scanlon, Marjorie A. Kelsey

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.11.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)

☐ Declined

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[redacted] ed Sta[redacted]vironm[redacted] Protec[redacted]ency
Contract Labo[redacted]ory Program

[redacted] Packing [redacted] Chain of Custody [redacted]

R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-11-94	Fed Express

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	9020240493
Non-Superfund Program	Sampler Signature: Susan Scanlon	5. Ship To: USEPA Region 9 Laboratory, 1301 South 46th St. Bldg 201, Richmond, CA 94804, ATTN: Sample Custodian
Site Name: Montrose	3. Purpose*	
City, State: Torrance, CA	Site Spill ID	

3. Purpose*: Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA929	5	L	C	6	Pesticides	2-8oz	KD-1	4-11-94 1011	MC	—
SYA930	5	L	C	6	Pesticides	1-8oz	KD-2	4-11-94 1415	SAL	—
SYA934	5	L	C	6	Pesticides	1-8oz	KD-6	4-11-94 1400	SAL	D(SYA930)
SYA921	1	L	G	6	TDS & TSS	1-1L	KD-1	4-11-94 1130	SAL	—
SYA926	1	L	G	6	TDS & TSS	1-1L	KD-6	4-11-94 1230	SAL	D(SYA921)
SYA922	1	L	G	6	TDS & TSS	1-1L	KD-2	4-11-94 1415	SAL	—
SYA923	1	L	G	6	TDS & TSS	1-1L	KD-3	4-11-94 1535	SAL	—

Pest? yes

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1	SYA929	Nayone Castleberry	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-11-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A2-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Gold - Lab Copy for Return to Region; Yellow - SMO Copy; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38331

EPA United States Environmental Protection Agency
Contract Laboratory Program

Specia ialytical Services
Packing List/Chain of Custody

SAS No. 8357-Y-02SS 01

Case No.

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-12-94	FEDERAL EXPRESS

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902024044 5

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: CEIMIC CORPORATION
10 DEAN KNAUSS DRIVE
NARRAGANSETT, RI 02887
ATTN: MIGUEL MUZZIO

Site Name: MONTROSE

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

City, State: TORRANCE CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preser-vative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval — = Not a QC Sample)
SYA 817	5	L	C	6	TOC	1-403	CS-3	4/12/94 1345	TP	—
SYA 816	5	L	C	6	TOC	1-403	CS-2	4/12/94 1320	TP	—
SYA 809	5	L	C	6	TOC	1-403	ND-1	4/12/94 0945	GS	—
SYA 814	5	L	C	6	TOC	1-403	ND-6	4/12/94 0950	GS	D (SYA 809)
SYA 810	5	L	C	6	TOC	1-403	ND-2	4/12/94 1015	GS	—
SYA 812	5	L	C	6	TOC	1-403	ND-4	4/12/94 1035	GS	—
SYA 813	5	L	C	6	TOC	1-403	ND-5	4/12/94 1045	GS	—

Shipment for SAS Complete? (Y/N) Y

Page 1 of 1

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: Trudy Fuller / Gary Santoro

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-12-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Gold - Lab Copy for Return to Region; Yellow - SMO Copy; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38334

EPA Organic Traffic Report & Chain of Custody Record

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-12-94	FED-EX

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902024041 2

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: SOUTHWEST LABS OF OK.
1700 WEST ALBANY, SUITE C
BROKEN ARROW OK
74012
ATTN: HARRY BORG

Site Name: MONTROSE

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

City, State: TORRANCE CA

Site Spill ID:

6. Preservative (Enter In Column D)
1. HCl
2. HNO3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. Sample Description (Enter In Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis VOA	E BNA	E Pest/ PCB	E High only ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
YQ179	4	L	G		1	6			2-40ml, 2-1L	EQ-P1	4/12/94 1125	SK		B
YQ180	4	L	G		1	6			2-40ml, 2-1L	EQ-V1	4/12/94 1007	SK		B
YQ181	4	L	G		58X	6			2-1L	EQ-PF1	4/12/94 1240	SK		B
YQ182	8	L	G	1	X				2-40ml	TB-2	4/12/94 0000	SS		B
YQ175	4	L	G		1	6			2-40ml, 2-1L	FB-1	4/12/94 1100	GS		B

Shipment for Case complete? (Y/N)

Page 1 of 1

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: Sue Keydel / Gary Santoro

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.12.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-12-94	FED-EX

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902024042 3

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner + Sherman Labs, Inc
300 Second Avenue
WALTHAM MA 02254
ATTN: ANTONIA BENNEY

Site Name: MONTROSE

City, State: TORRANCE, CA

Site Spill ID:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter In Column D)
1. HCl
2. HNO_3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

5 = NaOH

7. Sample Description (Enter In Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis: Metals ~~VOA~~	E RAS Analysis: CN ~~BNA~~	E RAS Analysis: Dissolved Metals ~~Pest/ PCB~~	E RAS Analysis: Dissolved CN High only ~~ARO/ TOX~~	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN561	4	L	G		2	5			1-1L, 1-1L	EQ-P1	4/12/94 1125	SK		B
MYN562	4	L	G		2	5			1-1L, 1-1L	EQ-V1	4/12/94 1007	SK		B
MYN563	4	L	G		2	5	2		1-1L, 1-1L, ~~1-1L~~	EQ-PF1	4/12/94 1240	SK		B
MYN647	4	L	G	2			X		1-1L	EQ-PF1	4/12/94 1240	SK		B
MYN557	1	L	G		2	~~5B~~			1-1L, 1-1L	CS-2U	4/12/94 1205	TP		—
MYN558	1	L	G		2	~~5B~~			1-1L, 1-1L	CS-3U	4/12/94 1240	TP		—
MYN505	1	L	G					5	1-1L	CS-2F	4/12/94 ~~1420~~ 1430	SK		—
MYN566	1	L	G					5	1-1L	CS-3F	4/12/94 1400	SK		—
MYN670	1	L	G	2			X		1-1L	CS-3F	4/12/94 1400	SK		—
MYN669	1	L	G	2			X		1-1L	CS-2F	4/12/94 1420	SK		—

Shipment for Case complete? (Y/N): N

Page 1 of 3

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: Sue Keyzer / Trudy Fuller

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/12/94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION: Bl[redacted]gion [redacted] Pin[redacted]D Co[redacted]hite -[redacted]Copy [redacted]turn [redacted]on [redacted] - La[redacted]
Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Orga[illegible] Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (If applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-12-94	Fed-Ex

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902024042 3

Non-Superfund Program:

Sampler Signature: Susa Scanla

5. Ship To: TMA/Skinner & Sherman Labs, Inc
300 Second Ave
Waltham MA 02254
ATTN: Antonia Benney

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved 5 = NaOH

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis: Metals+CN VOA	E: Metals BNA	E: CN Pest/ PCB	E: High only ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN572	5	L	C	6	X				1-803	CS-3	4/12/94 1345	TP		—
MYN571	5	L	C	6	X				1-803	CS-2	4/12/94 1320	TP		—
MYN559	1	L	G			2	5		1-1L, 1-1L	CS-4U	4/12/94 1515	TP		—
MYN560	1	L	G			2	5		1-1L, 1-1L	CS-5U	4/12/94 1450	TP		—
MYN555	4	L	G			2	5		1-1L, 1-1L	EQ-T2	4/12/94 1115	GS		B
MYN548	4	L	G			2	5		1-1L, 1-1L	FB-1	4/12/94 1100	GS		B
MYN549	5	L	C	6	X				1-803	ND-1	4/12/94 0945	GS		—
MYN554	5	L	C	6	X				1-803	ND-6	4/12/94 0950	GS		D(MYN549)
MYN550	5	L	C	6	X				1-803	ND-2	4/12/94 1015	GS		—
MYN552	5	L	C	6	X				1-803	ND-4	4/12/94 1035	GS		—

Shipment for Case complete? (Y/N): Y

Page 1 of 2 3

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: Judy Santolo / Polly

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/12/94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)

☐ Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
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Org-1

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CHAZM HILL	4-12-94	Fed-Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902024042 3

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	TMA/Skinner & Sherman Labs Inc 300 Second Ave Waltham MA 02254 ATTN: Antonia Benney

Site Name	City, State	Site Spill ID
Montrose	Torrance, CA	

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (Specify)
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals: Total	Metals: Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN553	5	L	C	6	X		X					1-803	MD-5	4/12/94 1045	GS		—

Shipment for Case complete? (Y/N)	Page 1 of 3	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
	3		Amy Santolo	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/12/94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
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Split Samples ☐ Accepted (Signature)
☐ Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

long-1

EPA United States Environmental Protection Agency
Contract Laboratory Program

Spe[redacted]ical [redacted]vic[redacted]
Packing List/Chain of Custody

[redacted] No. [redacted] Cas[redacted] R94S12

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4.12.94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020240401

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID:

3. Purpose*: Lead [X] SF [ ] PRP [ ] ST [ ] FED; Early Action [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To: USEPA Region 9 Lab, 1301 South 46th St. Bldg 201, Richmond, CA 94804

ATTN: Sample Custodian

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA948	4	L	G	6	Pesticides	2-1L	EQ-P1	4/12/94 1125	SK	R
SYA949	4	L	G	6	Pesticides	2-1L	EQ-V1	4/12/94 1007	SK	R
SYA950	4	L	G	6	Pesticides	2-1L	EQ-PF1	4/12/94 1240	SK	R
SYA945	1	L	G	6	Pesticides, TDS/TSS	2-1L, 1-1L	CS-3U	4/12/94 1240	TP	—
SYA944	1	L	G	6	Pesticides, TDS/TSS	2-1L, 1-1L	CS-2U	4/12/94 1205	TP	—
SYA953	1	L	G	6	Filtered Pesticides	2-1L	CS-3F	4/12/94 1400	SK	—
SYA952	1	L	G	6	Filtered Pesticides	2-1L	CS-2F	4/12/94 1420	SK	—
SYA959	5	L	~~G~~ C	6	Pesticides	1-8oz	CS-3	4/12/94 1345	TP	—
SYA958	5	L	~~G~~ C	6	Pesticides	1-8oz	CS-2	4/12/94 1320	TP	—
~~SYA947~~	~~1~~	~~L~~	~~G~~	~~6~~	~~Pesticides, TDS/TSS~~	~~2-1L, 1-1L~~	~~CS-5U~~	~~4/12/94 1450~~	~~TP~~	~~—~~ SB

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of ___		Fuekendal / Trudy Pulley	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.12.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A91-012-7 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38345

11

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special alytical Services
Packing List/Chain of Custody

SAS No.

Case No. R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4.12.94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902024040 1

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: USEPA Region 9 Lab
1301 South 46th St. Bldg 201
Richmond, CA 94804
ATTN:

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA946	1	L	G	6	Pesticides, TDS/TSS	2-1L, 1-1L	4.12.94/515	CS-54	TP	—
SYA942	4	L	G	6	Pesticides	2-1L	EQ-T2	4.12.94 1115	GS	R
SYA935	4	L	G	6	Pesticides	2-1L	FB-1	4.12.94 1100	GS	B
SYA936	5	L	C	6	Pesticides	1-8oz	ND-1	4.12.94 0945	GS	—
SYA941	5	L	C	6	Pesticides	1-8oz	ND-6	4.12.94 0930	GS	D (SYA936)
SYA940	5	L	C	6	Pesticides	1-8oz	ND-5	4.12.94 1045	GS	—
SYA939	5	L	C	6	Pesticides	1-8oz	ND-4	4.12.94 1035	GS	—
SYA937	5	L	C	6	Pesticides	1-8oz	ND-2	4.12.94 1015	GS	—
SYA947	1	L	G	6	Pesticides, TDS/TSS	2-1L, 1-1L	CS-54	4.12.94 145	TP	—

Shipment for SAS Complete? (Y/N)	Page ___ of ___	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
			Trudy Pully Gary Santolo	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.12.94 / 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

CAS No. 8357-Y-01

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023948 0

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
[ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST
Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To
Ceimic Corporation
10 Dean Knauss Drive
Narragansett, RI 02882
ATTN: Miguel Muzzio

City, State: Torrance, CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA818	5	L	C	6	TOC	1-40z	CS-4	4.12.94 1510	EB	—
SYA819	5	L	C	6	TOC	1-40z	CS-5	4.12.94 1545	EB	—
SYA820	5	L	C	6	TOC	1-40z	CS-6	4.12.94 1910	EB	D (SYA815)
SYA815	5	L	C	6	TOC	1-40z	CS-1	4.12.94 1910	EB	—
SYA822	5	L	C	6	TOC	1-40z	DC1-2	4.13.94 1225	EB	—
SYA821	5	L	C	6	TOC	1-40z	DC1-1	4/13/94 1110	EB	—

Shipment for SAS Complete? (Y/N)

Page 1 of 1

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: Earl Byron

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A-1-0-2-7 REV. 3/93

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38339

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Orga Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023 9513

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: Southwest Labs of OK, 1700 W. Albany Suite C, Broken Arrow, OK 74012, ATTN: Harry Borg

Site Name: Montrose

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

City, State: Torrance, CA

Site Spill ID

6. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis VOA	E BNA	E Pest/ PCB	E High only ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
YQ178	1	L	G		1	6			4-40ml, 4-1L	CS-1U	4.12.94 1810	EB		—
YQ187	1	L	G	6		X			2-1L	CS-6U	4.12.94 1810	EB		D (YQ178)
YQ185	5	L	C	6	X	X			2-4oz, 1-8oz	CS-1	4.12.94 1910	EB		—
YQ186	5	L	C	6	X	X			2-4oz, 1-8oz	CS-6	4.12.94 1910	EB		D (YQ185)
YQ183	1	L	G	6		X			2-1L	CS-1F	4.12.94 1900	EB		—

Shipment for Case complete? (Y/N)

Page 1 of 1

Sample used for a spike and/or duplicate: YQ178

Additional Sampler Signatures: Earl Borg

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)

☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special [illegible] Services
Packing List/Chain of Custody

[illegible] S No. 8357-Y-02 | Ca[illegible]

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023949 1

Non-Superfund Program	Sampler Signature
	Susan Scanlon

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID:

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

5. Ship To
Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238
ATTN: Jo Ann Boyd

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preser-vative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA878	5	L	C	6	Grain Size	1-802	CS-5	4.12.94 1545	EB	—
SYA881	5	L	C	6	Grain Size	1-802	DC1-2	4/13/94 1225	EB	—
SYA880	5	L	C	6	Grain Size	1-802	DC1-1	4/13/94 1110	EB	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	2 of 2		Earl Byron	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-13-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

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***SEE REVERSE FOR PURPOSE CODE DEFINITIONS**

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.: 8357-Y-02

Case No.:

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 9020239491

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: Southwest Research Institute, 6220 Culebra Road, San Antonio, TX 78238

ATTN: Jo Ann Boyd

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID:

3. Purpose*: Lead [X] SF [ ] PRP [ ] ST [ ] FED; Early Action [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil 7. Waste 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NAHSO_4$ 4. H_2SO_4 5. NAOH 6. Ice only 7. Other (Specify In Column D) N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 875	5	L	C	6	Grain Size	1-8oz	CS-2	4/12/94 1320	TP	—
SYA 876	5	L	C	6	Grain Size	1-8oz	CS-3	4/12/94 1345	TP	—
SYA 872	5	L	C	6	Grain Size	1-8oz	ND-5	4/12/94 1045	GS	—
SYA 869	5	L	C	6	Grain Size	1-8oz	ND-2	4/12/94 1015	GS	—
SYA 873	5	L	C	6	Grain Size	1-8oz	ND-6	4/12/94 0950	GS	D(SYA 868)
SYA 871	5	L	C	6	Grain Size	1-8oz	ND-4	4/12/94 1035	GS	—
SYA 868	5	L	C	6	Grain Size	1-8oz	ND-1	4/12/94 0945	GS	—
SYA 877	5	L	C	6	Grain Size	1-8oz	CS-4	4.12.94 1510	TP	—
SYA 879	5	L	C	6	Grain Size	1-8oz	CS-6	4.12.94 1910	TP	D(SYA 874)
SYA 874	5	L	C	6	Grain Size	1-8oz	CS-1	4.12.94 1910	TP	—

Shipment for SAS Complete? (Y/N): N

Page 1 of 2

Sample(s) to be Used for Laboratory QC:

Additional Sampler Signatures: Trudy Pulley / Gary Santolo

Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-13-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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38340

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.: 9	Sampling Co.: CH2M HILL	4. Date Shipped: 4-13-94	Carrier: Fed Ex
Regional Information		Sampler (Name): Susan Scanlon		Airbill Number: 902023952 4	
Non-Superfund Program		Sampler Signature: Susan Scanlon		5. Ship To: TNA / Skinner & Sherman, 300 Second Ave, Waltham MA 02254, ATTN: Antonia Benney	
Site Name: Montrose		3. Type of Activity: Lead SF [X], PRP [ ], ST [ ], FED [ ]; Pre-Remedial PA [ ], SSI [ ], LSI [ ]; Remedial RIFS [X], RD [ ], RA [ ], O&M [ ], NPLD [ ]; Removal CLEM [ ], REMA [ ], REM [ ], OIL [ ], UST [ ]			
City, State: Torrance CA	Site Spill ID				

6. Preservative (Enter in Column D): 1. HCl; 2. HNO_3; 3. NaOH; 4. H_2SO_4; 5. $K_2CR_2O_7$; 6. Ice only; 7. Other (Specify); N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water; 2. Ground Water; 3. Leachate; 4. Rinsate; 5. Soil/Sediment; 6. Oil (High only); 7. Waste (High only); 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Metals Cyanide	Low Conc. only Nitrate/ Nitrite	Low Conc. only Fluoride	High only pH	High only Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC
MYN574	5	L	C	6	X		X					1-8oz	CS-5	4/12/94 1545	EB		—
MYN575	5	L	C	6	X		X					1-8oz	CS-6	4/12/94 1910	EB		D (MYN570)
MYN570	5	L	C	6	X		X					1-8oz	CS-1	4/12/94 1910	EB		—
MYN613	1	L	G		2		3					HL, 1-L	CS-6U	4/12/94 1810	EB		D(MYN556)
MYN576	1	L	G		2		3					2-1L, 2-1L	DC1-1	4/13/94 1110	EB		—
MYN577	1	L	G		2		3					1-1L, 1-1L	DC1-2	4/13/94 1224	EB		—
MYN589	5	L	C	6	X		X					2-8oz	DC1-1	4/13/94 1110	EB		—
MYN590	5	L	C	6	X		X					1-8oz	DC1-2	4/13/94 1225	EB		—

Shipment for Case complete? (Y/N): Y

Page 1 of 2

Sample used for a spike and/or duplicate: MYN576, MYN589

Additional Sampler Signatures: Earl Bz

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: [ ] Accepted (Signature) [ ] Declined

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Inorg-1

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902023952 4

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner & Sherman
300 Second Ave
Waltham MA 02254
ATTN: Antonia Benney

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (Specify)
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC
MYN672	1	L	G	2		X						1-1L	CS-5F	4.12.94 1640	EB		—
MYN568	1	L	G	3			X					1-1L	CS-5F	4.12.94 1640	EB		—
MYN671	1	L	G	2		X						1-1L	CS-4F	4.12.94 1630	EB		—
MYN567	1	L	G	3			X					1-1L	CS-4F	4.12.94 1630	EB		—
MYN668	1	L	G	2		X						1-1L	CS-1F	4.12.94 1900	EB		—
MYN564	1	L	G	3			X					1-1L	CS-1F	4.12.94 1900	EB		—
MYN556	1	L	G		2		3					2-1L, 2-1L	CS-1U	4.12.94 1810	EB		—
MYN673	1	L	G	2		X						1-1L	CS-6F	4.12.94 1920	EB		D (MYN668)
MYN569	1	L	G	3			X					1-1L	CS-6F	4.12.94 1920	EB		D (MYN564)
MYN573	5	L	SC	6	X		X					1-8oz	CS-4	4.12.94 1510	EB		—

Shipment for Case complete? (Y/N): N

Page 1 of 2

Sample used for a spike and/or duplicate: MYN556

Additional Sampler Signatures: Earl Baker

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

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Green [redacted] Pink [redacted] Copy [redacted] White - [redacted] Yellow [redacted] Lab [redacted]

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA United Environmental Protection Agency
Contract Laboratory Program

Sp[redacted]a' [redacted]ytic[redacted]erv[redacted]
Packing List/Chain of Custody

[redacted]AS N[redacted] [redacted]

C[redacted]o. [redacted]
R 94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020239502

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
[ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST
Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To
USEPA Region 9 Lab.
1301 South 46th St. Bldg 201
Richmond, CA 94804
ATTN: Sample Custodian

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval — = Not a QC Sample)
SYB054	8	L	G	6	VOA, SVOA, Pest, Metals	1 bag	CS-1	4/12/94 1800	EB	—
SYB055	8	L	G	6	VOA, SVOA, Pest, Metals	1 bag	CS-2	4/12/94 1800	EB	D(SYB054)
SYB056	8	L	G	6	VOA, SVOA, Pest, Metals	1 bag	CS-3	4/12/94 1800	EB	—
SYB057	8	L	G	6	VOA, SVOA, Pest, Metals	1 bag, filet analysis	CS-4	4/12/94 1800	EB	—
SYB058	8	L	G	6	VOA, SVOA, Pest, Metals	1 bag, filet analysis	CS-5	4/12/94 1800	EB	—
SYB059	8	L	G	6	VOA, SVOA, Pest, Metals	1 bag, filet analysis	CS-6	4/12/94 1800	EB	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	2 of 2	SYB054	Earl Byron	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Gold - Lab Copy for Return to Region; Yellow - SMO Copy; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.:

Case No.: R9451c

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023950 2

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
Long-Term Action: [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To
USEPA Region 9 Laboratory
1301 South 46th St. Bldg 201
Richmond, CA 94804
ATTN: Sample Custodian

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample
SYA956	1	L	G	6	Pesticides	2-1L	CS-6F	4.12.94 1920	EB	D(SYA951)
SYA943	1	L	G	6	Pesticides, TSS & TDS	~~2-1L~~ 4-1L, 2-1L	CS-1U	4.12.94 1810	EB	—
SYB000	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	CS-6U	4.12.94 1810	EB	D(SYA943)
SYA960	5	L	C	6	Pesticides	1-803	CS-4	4.12.94 1510	EB	—
SYA961	5	L	C	6	Pesticides	1-803	CS-5	4.12.94 1545	EB	—
SYA957	5	L	C	6	Pesticides	1-803	CS-1	4.12.94 1910	EB	—
SYA962	5	L	C	6	Pesticides	1-803	CS-6	4.12.94 1910	EB	D(SYA957)
SYA955	1 5	L	G C	6	Pesticides	2-1L	CS-5F	4/12/94 1640	EB	—
SYA954	1 5	L	G C	6	Pesticides	2-1L	CS-4F	4/12/94 1630	EB	—
SYA951	1 8	L	G	6	Pesticides	2-1L	CS-1F	4/12/94 1900	EB	—

Shipment for SAS Complete? (Y/N): Y

Page 1 of 2

Sample(s) to be Used for Laboratory QC: SYA943

Additional Sampler Signatures: Earl Byron

Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-01-2-7 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38341

EPA United States Environmental Protection Agency
Contract Laboratory Program

Sp[redacted]tica[redacted]rvi[redacted] Packing List/Chain of Custody

[redacted]S No[redacted] Cas[redacted] R94S12

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-13-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020239502

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
[ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST
Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To
USEPA Region 9 Lab
1301 South 46th St Bldg 201
Richmond CA 94804
ATTN: Sample Custodian

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. H[illegible]
2. H[illegible]O3
3. N[illegible]HSO4
4. H[illegible]SO4
5. NAOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 964	1	L	G	6	Pesticides, TDS & TSS	2-1L Z 1-1L	DC1-2	4/13/94 1224	EB	—
SYA 963	1	L	G	6	Pesticides, TDS & TSS	4-1L, 2-1L	DC1-1	4/13/94 1110	EB	—
SYA 976	5	L	C	6	Pesticides	~~2-8oz~~ 2-8oz	DC1-1	4/13/94 1110	EB	—
SYA 977	5	L	C	6	Pesticides	1-8oz	DC1-2	4/13/94 1225	EB	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1	SYA963, SYA976	Earl Byron	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.13.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38337

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.: 8357-Y-01

Case No.:

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		444-94	CH2M HILL	4-14-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023961L

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

5. Ship To: Ceimic Corp. 10 Dean Knauss Dr. Narragansett RI 02882 ATTN: Miguel Muzzio

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank, S = Spike, D = Duplicate, R = Rinsate, PE = Perform. Eval., — = Not a QC Sample)
SYA 830	5	L	C	6	TOC	1-4oz	DC2-4	4/14/94 1210	TP	—
SYA 831	5	L	C	6	TOC	1-4oz	DC2-5	4/14/94 1250	TP	—
SYA 826	5	L	C	6	TOC	1-4oz	DC1-6	4/13/94 1435	TP	D(SYA 824)
SYA 823	5	L	C	6	TOC	1-4oz	DC1-3	4/13/94 1335	TP	—
SYA 824	5	L	C	6	TOC	1-4oz	DC1-4	4/13/94 1435	TP	—

Shipment for SAS Complete? (Y/N)

Page: 2 of 2

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: Trudy Palber

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/14/94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38354

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

S No 8357-Y-01

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020239616

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance CA

Site Spill ID

3. Purpose*: Lead [X] SF [ ] PRP [ ] ST [ ] FED; Early Action [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To: Ceimic Corp. 10 Dean Knauss Dr. Narragansett RI 02882
ATTN: Miguel Muzzio

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 835	5	L	C	6	TOC	1-4oz	TLL-4	4/13/94 1155	GS	—
SYA 836	5	L	C	6	TOC	1-4oz	TLL-5	4/13/94 1215	GS	—
SYA 834	5	L	C	6	TOC	1-4oz	TLL-3	4/13/94 1120	GS	—
SYA 832	5	L	C	6	TOC	1-4oz	TLL-1	4/13/94 1010	GS	—
SYA 837	5	L	C	6	TOC	1-4oz	TLL-6	4/13/94 1015	GS	D(SYA 832)
SYA 833	5	L	C	6	TOC	1-4oz	TLL-2	4/13/94 1055	GS	—
SYA 827	5	L	C	6	TOC	1-4oz	DC2-1	4/13/94 1650	TP	—
SYA 825	5	L	C	6	TOC	1-4oz	DC1-5	4/13/94 1540	TP	—
SYA 828	5	L	C	6	TOC	1-4oz	DC2-2	4/14/94 1035	TP	—
SYA 829	5	L	C	6	TOC	1-4oz	DC2-3	4/14/94 1135	TP	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1		Gary Santolo / Trevor Pulley	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.14.94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Orga. Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020239631

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance CA

Site Spill ID

3. Type of Activity

Lead		Pre-Remedial		Remedial		Removal	
SF	X			RIFS	X	CLEM	
PRP		PA		RD		REMA	
ST		SSI		RA		REM	
FED		LSI		O&M		OIL	
				NPLD		UST	

5. Ship To: Southwest Labs of OK
1700 W. Albany Suite C
Broken Arrow, OK 74012
ATTN: Harry Borg

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
YQ171	4	L	G		1	6			2-40ml 2-1L	EQ-D1	4/13/94 1920	MC		B
YQ172	4	L	G		1	6			2-40ml 2-1L	EQ-T1	4/13/94 1600	MC		B
YQ195	8	L	G	1	X				2-40ml	TB-3	4/13/94 0000	SS		B
YQ194	8	L	G	1	X				2-40ml	TB-4	4/14/94 0000	SS		B
									8 = Travel Blank					

Shipment for Case complete? (Y/N) Y

Page 1 of 1

Sample used for a spike and/or duplicate

Additional Sampler Signatures: Marjorie Castleberry

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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[redacted] REVER[redacted] R ADDITIONAL STANDARD INSTRUCTIONS [redacted]

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

CAS No. Y357-Y-02

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M Hill	4-14-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023960 5

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose*

Lead	Early Action		Long-Term Action	
☒ SF	☐ CLEM	☐ SI	☐ FS	
☐ PRP	☐ PA	☐ ESI	☐ RD	
☐ ST	☐ REM	☐ RI	☐ RA	
☐ FED		☐ OIL	☐ O&M	
		☐ UST	☐ NPLD	

City, State: Torrance CA

Site Spill ID

5. Ship To: Southwest Research Inst
6220 Culebra Rd
San Antonio, TX 78238
ATTN: Jo Ann Boyd

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA889	5	L	C	6	Grain Size	1-8oz	DC2-4	4/14/94 1210	TP	—
SYA890	5	L	C	6	Grain Size	1-8oz	DC2-5	4/14/94 1250	TP	—
SYA885	5	L	C	6	Grain Size	1-8oz	DC1-6	4/13/94 1435	TP	D(SYA887)
SYA883	5	L	C	6	Grain Size	1-8oz	DC1-4	4/13/94 1435	TP	—
SYA882	5	L	C	6	Grain Size	1-8oz	DC1-3	4/13/94 1335	TP	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	2 of 2		Trudy Pulla	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.14.94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38349

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.: 8357-Y-02

Case No.:

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023960 5

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: Southwest Research Inst
6220 Culebra Rd
San Antonio, TX 78238
ATTN: JoAnn Boyd

Site Name: Montrose

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
[ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST
Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

City, State: TorranceCA

Site Spill ID:

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank, S = Spike, D = Duplicate, R = Rinsate, PE = Perform. Eval., — = Not a QC Sample)
SYA 844	5	L	C	6	Grain Size	1-8oz	TL-4	4/13/94 1155	GS	—
SYA 895	5	L	C	6	Grain Size	1-8oz	TL-5	4/13/94 1215	GS	—
SYA 893	5	L	C	6	Grain Size	1-8oz	TL-3	4/13/94 1120	GS	—
SYA 891	5	L	C	6	Grain Size	1-8oz	TL-1	4/13/94 1010	GS	—
SYA 892	5	L	C	6	Grain Size	1-8oz	TL-2	4/13/94 1055	GS	—
SYA 896	5	L	C	6	Grain Size	1-8oz	TL-6	4/13/94 1015	GS	D (SYA 891)
SYA 886	5	L	C	6	Grain Size	1-8oz	DC2-1	4/13/94 1650	TP	—
SYA 884	5	L	C	6	Grain Size	1-8oz	DC1-5	4/13/94 1540	TP	—
SYA 888	5	L	C	6	Grain Size	1-8oz	DC2-3	4/14/94 1135	TP	—
SYA 887	5	L	C	6	Grain Size	1-8oz	DC2-2	4/14/94 1035	TP	—

Shipment for SAS Complete? (Y/N)

Page: 1 of 2

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: Gary Sandoval Trent Pulley

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Yellow - SMO Copy; Gold - Lab Copy for Return to Region; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38343

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.: 9	Sampling Co.: CH2M HILL	4. Date Shipped: 4-14-94	Carrier: Fed Ex
Regional Information		Sampler (Name): Susan Scanlon		Airbill Number: 902023964 2	
Non-Superfund Program		Sampler Signature: Susan Scanlon		5. Ship To: TMA/Skinner & Sherman 300 Second Ave Waltham MA 02254	
Site Name: Montrose		3. Type of Activity: Lead / Pre-Remedial — SF [X], PRP [ ], ST [ ], FED [ ]; PA [ ], SSI [ ], LSI [ ]; Remedial — RIFS [X], RD [ ], RA [ ], O&M [ ], NPLD [ ]; Removal — CLEM [ ], REMA [ ], REM [ ], OIL [ ], UST [ ]		ATTN: Antonia Benner	
City, State: Torrance CA	Site Spill ID				

6. Preservative (Enter in Column D): 1. HCl; 2. HNO_3; 3. NaOH; 4. H_2SO_4; 5. $K_2CR_2O_7$; 6. Ice only; 7. Other (Specify); N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water; 2. Ground Water; 3. Leachate; 4. Rinsate; 5. Soil/Sediment; 6. Oil (High only); 7. Waste (High only); 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp/ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Metals Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN584	1	L	G		2		3					1-1L 1-1L	DC2-4	4/14/94 1210	TP		—
MYN585	1	L	G		2		3					1-1L 1-1L	DC2-5	4/14/94 1250	TP		—
MYN598	5	L	C	6	X		X					1-802	DC2-4	4/14/94 1210	TP		—
MYN599	5	L	C	6	X		X					1-802	DC2-5	4/14/94 1250	TP		—
MYN587	4	L	G		2		3					1-1L 1-1L	EQ-V2	4/13/94 1600	SK		B
MYN579	1	L	G		2		3					1-1L 1-1L	DC1-4	4/13/94 1435	TP		—
MYN578	1	L	G		2		3					1-1L 1-1L	DC1-3	4/13/94 1335	TP		—
MYN594	5	L	C	6	X		X					1-802	DC1-6	4/13/94 1435	TP		D(MYN592)
MYN592	5	L	C	6	X		X					1-802	DC1-4	4/13/94 1435	TP		—
MYN591	5	L	C	6	X		X					1-802	DC1-3	4/13/94 1335	TP		—

Shipment for Case complete? (Y/N)	Page 1 of 2	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
			Trudy Fully	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: [ ] Accepted (Signature) [ ] Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION: Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

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Inorg-1

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902023 9642

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner & Sherman
300 Second Ave
Waltham MA 02254
ATTN: Antonia Berney

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (Specify)
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Metals Cyanide	Low Conc. only Nitrate/ Nitrite	Low Conc. only Fluoride	High only pH	High only Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC
MYN593	5	L	C	6	X		X					1-8oz	DC1-5	4/13/94 1540	TP		—
MYN595	5	L	C	6	X		X					1-8oz	DC2-1	4/13/94 1650	TP		—
MYN596	5	L	C	6	X		X					1-8oz	DC2-2	4/14/94 1035	TP		—
MYN597	5	L	C	6	X		X					1-8oz	DC2-3	4/14/94 1135	TP		— 582
MYN586	1	L	G		2		3					1-1L, 1-1L	DC2-6	4/14/94 1035	TP		DCMYN ~~595~~ 581 ~~582~~
MYN581	1	L	G		2		3					1-1L 1-1L	DC2-1	4/13/94 1650	TP		—
MYN583	1	L	G		2		3					1-1L 1-1L	DC2-3	4/14/94 1135	TP		—
MYN582	1	L	G		2		3					1-1L 1-1L	DC2-2	4/14/94 1035	TP		—
MYN580	1	L	G		2		3					1-1L 1-1L	DC1-5	4/13/94 1540	TP		—
~~MYN588~~	~~4~~	~~L~~	~~G~~		2		3					~~1-1L 1-1L~~	~~EQ-82~~				

Shipment for Case complete? (Y/N)

Page 1 of 2

Sample used for a spike and/or duplicate

Additional Sampler Signatures: Trudy Pulley

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy [illegible] return

Split Samples ☐ Accepted (Signature)
☐ Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902023642

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner & Sherman Labs, 300 Second Ave, Waltham MA 02254, ATTN: Antonia Berney

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D): 1. HCl, 2. HNO_3, 3. NaOH, 4. H_2SO_4, 5. $K_2CR_2O_7$, 6. Ice only, 7. Other (Specify), N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water, 2. Ground Water, 3. Leachate, 4. Rinsate, 5. Soil/Sediment, 6. Oil (High only), 7. Waste (High only), 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Metals Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN608	1	L	G		2		3					1-1L, 1-1L	TLL-3	4/13/94 1105	HO		—
MYN606	1	L	G		2		3					1-1L, 1-1L	TLL-1	4/13/94 0940	GS		—
MYN604	5	L	C	6	X		X					1-8oz	TLL-5	4/13/94 1215	GS		—
MYN602	5	L	C	6	X		X					1-8oz	TLL-3	4/13/94 1120	GS		—
MYN611	1	L	G		2		3					1-1L, 1-1L	EQ-03	4/13/94 2000	MC		B
MYN612	1	L	G		2		3					1-1L, 1-1L	EQ-T3	4/13/94 1945	MC		B
MYN600	5	L	C	6	X		X					1-8oz	TLL-1	4/13/94 1010	GS		—
MYN601	5	L	C	6	X		X					1-8oz	TLL-2	4/13/94 1050	GS		—
MYN605	5	L	C	6	X		X					1-8oz	TLL-4	4/13/94 1015	GS		D(MYN600)

Shipment for Case complete? (Y/N):

Page 1 of 2

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: Dan Scanlon

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable)

Case No. 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL		Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020239642

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

City, State: Torrance, CA

Site Spill ID

3. Type of Activity

	Lead	Pre-Remedial		Remedial		Removal
SF	X		RIFS	X	CLEM	
PRP		PA	RD		REMA	
ST		SSI	RA		REM	
FED		LSI	O&M		OIL	
			NPLD		UST	

5. Ship To: TMA/Skinner & Sherman Labs
300 Second Ave
Waltham MA 02254
ATTN: Antonia Benney

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (Specify)
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN541	4	L	G		2		3					1-1L, 1-1L	EQ-T1	4-13-94 1600	MC		B
MYN540	4	L	G		2		3					1-1L, 1-1L	EQ-D1	4/13/94 1920	MC		B
MYN656	1	L	G		2		3					1-1L, 1-1L	TLL-8	4/13/94 1545	HO		—
MYN657	1	L	G		2		3					1-1L, 1-1L	TLL-9	4/13/94 1615	HO		—
MYN654	1	L	G		2		3					1-1L, 1-1L	TLL-6	4/13/94 1245	HO		—
MYN655	1	L	G		2		3					1-1L, 1-1L	TLL-7	4/13/94 1305	HO		—
MYN609	1	L	G		2		3					1-1L, 1-1L	TLL-4	4/13/94 1130	HO		—
MYN610	1	L	G		2		3					1-1L, 1-1L	TLL-5	4/13/94 1205	HO		—
MYN603	5	L	C	6	X		X					1-8oz	TLL-4	4/13/94 1155	GS		—
MYN607	1	L	G		2		3					1-1L, 1-1L	TLL-2	4/13/94 1040	HO		—

Shipment for Case complete? (Y/N) Y

Page 1 of 2

Sample used for a spike and/or duplicate

Additional Sampler Signatures: Margarie Castleberg / Harry Obendorf

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
[redacted] Green [redacted] ion C[redacted] Pink [redacted] Copy [redacted] ite - [redacted] opy f[redacted] n to [redacted] n Ye[redacted] Lab [redacted]
Copy for Return to SMO

30

Inorg-1

EPA — United States Environmental Protection Agency, Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

[redacted] No. [redacted] Case R94S12

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023 9620

Non-Superfund Program	Sampler Signature
	Susan Scanlon

Site Name	3. Purpose*	5. Ship To
Montrose	Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	USEPA Region 9 Lab 1301 S. 46th St Bldg 201 Richmond CA 94804 ATTN: Sample Custodian

City, State	Site Spill ID
Torrance CA	

6. Matrix (Enter in Column A): 1. Surface Water; 2. Ground Water; 3. Leachate; 4. Field QC; 5. Soil/Sediment; 6. Oil; 7. Waste; 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl; 2. HNO_3; 3. $NAHSO_4$; 4. H_2SO_4; 5. NAOH; 6. Ice only; 7. Other (Specify In Column D); N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 987	5	L	C	6	Pesticides	1-802	TLC-1	4/13/94 1010	GS	—
SYA 980	5	L	C	6	Pesticides	1-802	DC1-5	4/13/94 1540	TP	—
SYA 982	5	L	C	6	Pesticides	1-802	DC2-1	4/13/94 1650	TP	—
SYA 983	5	L	C	6	Pesticides	1-802	DC2-2	4/14/94 1035	TP	—
SYA 984	5	L	C	6	Pesticides	1-802	DC2-3	4/14/94 1135	TP	—
SYA 973	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC2-6	4/14/94 1035	TP	D (SYA 968)
SYA 968	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC2-1	4/14/94 ~~1648~~ 1558	TP	—
SYA 969	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC2-2	4/14/94 1035	TP	—
SYA 970	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC2-3	4/14/94 1135	TP	—
SYA 967	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC1-5	4/13/94 1540	TP	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
Y	1 of 1		Dan Santolo / Trudy Kelly	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/14/94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Gold - Lab Copy for Return to Region; Yellow - SMO Copy; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38348

United States Environmental Protection Agency
Contract Laboratory Program

Special alytical Services
Packing List/Chain of Custody

SAS No.

Case No. R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023962O

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: USEPA Region 9 Lab
1301 S. 46th St. Bldg 201
Richmond CA 94804
ATTN: Sample Custodian

Site Name: Montrose

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)	
SYA928	4	L	G	6	Pesticides	2-1L	EQ-T1	4/13/94 1600	MC	R	
SYA927	4	L	G	6	Pesticides	2-1L	EQ-D1	4/13/94 1920	MC	R	
SYB046	1	L	G	6	Pesticides, TDS&TSS	2-1L, 1-1L	TLL-9	4/13/94 1615	HO	—	
SYB045	1	L	G	6	Pesticides, TDS&TSS	2-1L, 1-1L	TLL-8	4/13/94 1545	HO	—	
SYB043	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLL-6	4/13/94 1245	HO	—	
SYB044	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLL-7	4/13/94 1305	HO	—	
~~SYA996~~	~~1~~	~~L~~	~~G~~	~~6~~	~~Pesticides, TDS & TSS~~	~~2-1L, 1-1L~~	~~TLL-4~~	~~4/13/94 1130~~	~~HO~~	—	S3
~~SYA997~~	~~1~~	~~L~~	~~G~~	~~6~~	~~Pesticides, TDS&TSS~~	~~2-1L, 1-1L~~	~~TLL-5~~	~~4/13/94 1205~~	~~HO~~	—	S3
SYA990	5	L	C	6	Pesticides	1-80z	TLL-4	4/13/94 1155	GS	—	
SYA994	1	L	G	6	Pesticides TDS&TSS	2-1L, 1-1L	TLL-2	4/13/94 1040	HO	—	

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1		Maryanne Castleberry	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38344

United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

SAS No. [redacted] | Case No. R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023962O

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	USEPA Region 9 Lab 1301 S. 46th St Bldg 201 Richmond CA 94804 ATTN: Sample Custodian

Site Name	3. Purpose*	
Montrose	Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	

City, State	Site Spill ID
Torrance CA	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 996	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLL-4	4/13/94 1130	HO	—
SYA 997	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLL-5	4/13/94 1205	HO	—
SYA 995	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLL-3	4/13/94 1105	HO	—
SYA 993	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLL-1	4/13/94 0940	GS	—
SYA 991	5	L	C	6	Pesticides	1-8oz	TLL-5	4/13/94 1215	GS	—
SYA 989	5	L	C	6	Pesticides	1-8oz	TLL-3	4/13/94 1120	GS	—
SYA 999	1	L	G	6	Pesticides	2-1L	EQ-T3	4/13/94 1945	MC	R
SYA 998	1	L	G	6	Pesticides	2-1L	EQ-D3	4/13/94 2000	MC	R
SYA 988	5	L	C	6	Pesticides	1-8oz	TLL-2	4/13/94 1055	GS	—
SYA 992	5	L	C	6	Pesticides	1-8oz	TLL-6	4/13/94 1015	GS	D(SYA 987)

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1		Gary Gabelo / Maryanne Castleberry	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-14-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38346

EPA — Special Analytical Services Packing List/Chain of Custody

United States Environmental Protection Agency
Contract Laboratory Program

SAS No.: R94S12

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023 9620

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	EPA Reg. 9 Lab 1301 S. 46 St Bldg 201 Richmond CA 94804

Site Name	3. Purpose*	ATTN:
Montrose	Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; Long-Term Action: [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	Sample Custodian

City, State	Site Spill ID
Torrance CA	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 972	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC2-5	4/14/94 1250	TP	—
SYA 971	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC2-4	4/14/94 1210	TP	—
SYA 986	5	L	C	6	Pesticides	1-8oz	DC2-5	4/14/94 1250	TP	—
SYA 985	5	L	C	6	Pesticides	1-8oz	DC2-4	4/14/94 1210	TP	—
SYA 964	1	L	G	6	Pesticides, TDS & TSS	2-1L 1-1L	DC1-4	4/14/94 1435	TP	—
SD ~~SYA 824~~	5									

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1		Trudy Pulley	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.14.94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38350

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EPA [redacted]ited S[redacted]nviro[redacted] Prote[redacted]gency[redacted]
Contract Laboratory Program

[redacted] Packing L[redacted]/Chain of Custody

R94ST2

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-14-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	9020239620
Non-Superfund Program	Sampler Signature: Susan Scanlon	5. Ship To: EPA Reg. 9 Lab, 1301 S. 46 St Bldg 201, Richmond CA 94804, ATTN: Sample Custodian
Site Name: Montrose	3. Purpose* (Lead: [X] SF, [ ] PRP, [ ] ST, [ ] FED; Early Action: [ ] CLEM, [ ] PA, [ ] REM; Long-Term Action: [ ] SI, [ ] ESI, [ ] RI, [ ] OIL, [ ] UST, [ ] FS, [ ] RD, [ ] RA, [ ] O&M, [ ] NPLD)	
City, State: Torrance CA	Site Spill ID	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 965	1	L	G	6	Pesticides, TDS & TSS	2-1L 1-1L	DC1-3	4/13/94 1335	TP	—
SYA 974	4	L	G	6	Pesticides	2-1L	EQ-V2	4/13/94 1600	SK	~~B~~ SS R SK
SYA 981	5	L	C	6	Pesticides	1-8oz	DC1-6	4/13/94 1435	TP	D ~~(SYA 976)~~ SK SYA 979
SYA 979	5	L	C	6	Pesticides	1-8oz	DC1-4	4/13/94 1435	TP	
SYA 978	5	L	C	6	Pesticides	1-8oz	DC1-3	4/13/94 1335	TP	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1		Trudy Pulley / Sue Kegdel	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.14.94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Gold - Lab Copy for Return to Region; Yellow - SMO Copy; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38351

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.: 8357-Y-01

Case No.:

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanla

Airbill Number: 902023 9653

Non-Superfund Program

Sampler Signature: Susan Scanla

Site Name: Montrose

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

5. Ship To: Ceimic Corp. 10 Dean Knauss Dr Narragansett RI 02882 ATTN: Miguel Muzzio

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA842	S	L	C	6	TOC	1-402	TLU-5	4/15/94 1020	HO	—
SYA843	S	L	C	6	TOC	1-402	TLU-6	4/15/94 1110	HO	—

Shipment for SAS Complete? (Y/N) Y

Page 3 of 3

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: Harry Ohlendorf

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanla	4-15-94 1715				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-0127 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38327

EPA — Contract Laboratory Program

Special Analytical Services Packing List / Chain of Custody

8357-Y-01

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023965 3

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	Ceimic Corp 10 Dean Knauss Dr Narragansett RI 02882 ATTN: Miguel Muzzio

Site Name	3. Purpose*	Long-Term Action
Montrose	Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	

City, State	Site Spill ID
Torrance CA	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA850	5	L	C	6	TOC	1-4oz	DCH-1	4/14/94 1820	TP	—
SYA845	5	L	C	6	TOC	1-4oz	DC3-1	4/14/94 1415	TP	—
SYA846	5	L	C	6	TOC	1-4oz	DC3-2	4/14/94 1555	TP	—
SYA849	5	L	C	6	TOC	1-4oz	DC3-5	4/14/94 1750	TP	—
SYA838	5	L	C	6	TOC	1-4oz	TLH-1	4/14/94 11:10	TP	
SYA ~~858~~ 857	5	L	C	6	TOC	1-4oz	TLH-7	4/14/94 11:25	TP	D(SYA838)
SYA ~~848~~ 844	5	L	C	6	TOC	1-4oz	DC3-4	4/14/94 1720	TP	—
SYA 854	5	L	C	6	TOC	1-4oz	DC4-5	4/15/94 1015	TP	—
SYA 853	5	L	C	6	TOC	1-4oz	DC4-4	4/15/94 1055	TP	—
SYA 855	5	L	C	6	TOC	1-4oz	DC4-6	4/15/94 1015	TP	D(SYA854)

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 3		T. Palby	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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38352

EPA United States Environmental Protection Agency Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.: 8357-Y-01

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	FedEx

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023965 3

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	Ceimic Corp 10 Dean Knauss Dr. Naragansett RI 02882 ATTN: Miguel Muzzio

Site Name	3. Purpose*	
Montrose	Lead: (X) SF, PRP, ST, FED; Early Action: CLEM, PA, REM; SI, ESI, RI, OIL, UST; Long-Term Action: FS, RD, RA, O&M, NPLD	

City, State	Site Spill ID
Torrance CA	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA847	S	L	C	6	TOC	1-402	DC3-3	4/14/94 1625	TP	—
SYA840	S	L	C	6	TOC	~~TLU-3~~ 1-402	TLU-3	4/14/94 1405	HO	—
SYA841	S	L	C	6	TOC	1-402	TLU-4	4/14/94 1515	HO	—
SYA839	S	L	C	6	TOC	1-402	TLU-2	4/14/94 1355	HO	—
SYA851	S	L	C	6	TOC	1-402	DC4-2	4/15/94 1300	TP	—
SYA852	S	L	C	6	TOC	1-402	DC4-3	4/15/94 1225	TP	—
SYA858	S	L	C	6	TOC	1-402	TLU-7	4/15/94 1230	HO	—
SYA859	S	L	C	6	TOC	1-402	TLU-8	4/15/94 1250	HO	—
SYA857	S	L	C	6	TOC	1-402	TLU-9	4/15/94 1140	HO	—
SYA856	S	L	C	6	TOC	1-402	TLU-8	4/15/94 1130	HO	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
(N)	2 of 3		T. Pullin, H. Ohlendorf	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.15.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

EPA Form 9110-3 REV. 3/93

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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38355

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 21871

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023968 6

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	Southwest Labs of OK 1700 W. Albany Suite C Broken Arrow. OK 74012 ATTN: Harry Borg

Site Name	City, State	Site Spill ID
Montrose	Torrance CA	

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. Sample Description (Enter In Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)
8 = Trip Blank

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis VOA	E BNA	E Pest/ PCB	E High only ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC
YQ190	5	L	C	6	X	X			2x40z 1x80z	TLU-1	4/14/94 11:10	~~PP~~ HO		—
YQ191	5	L	C	6	X	X			2x40z 1x80z	TLU-7	4/14/94 11:25	~~PP~~ HO		D(YQ190)
YQ189	1	L	G		1	6			2-40ml 2-1L	TLU-7	4/14/94 1050	HO		D(YQ188)
YQ188	1	L	G		1	6			2-40ml 2-1L	TLU-1	4/14/94 1015	HO		—
YQ197	4	L	G	1	X				2-40ml	EQ-V4	4/15/94 1345	SK		B
YQ196	4	L	G	1	X				2-40ml	TB-5	4/15/94 0000	SK		B
YQ192	4	L	G		1	6			2-40ml 2-1L	EQ-04	4/15/94 1445	HO		B
YQ193	4	L	G		1	6			2-40ml 2-1L	EQ-T4	4/15/94 1430	HO		B

Shipment for Case complete? (Y/N)	Page 1 of 1	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
			Lisa Leydel / Harry Ohlendorf	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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EPA — Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

8357-402

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scarla

Airbill Number: 9020239664

Non-Superfund Program

Sampler Signature: Susan Scarla

5. Ship To: Southwest Research

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Purpose*

Lead: [X] SF [ ] PRP [ ] ST [ ] FED

Early Action: [ ] CLEM [ ] PA [ ] REM

[ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST

Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

ATTN: JoAm Boyd

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA915	5	L	C	6	Grain Size	1-8oz	TLU-8	4/15/94 1130	HO	—
SYA918	5	L	C	6	Grain Size	1-8oz	TLL-8	4/15/94 1250	HO	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	3 of 3		H. Ohlendorf	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scarla	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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EPA United [redacted] Environ[redacted]al Pro[redacted] Agenc[redacted]
Contract Laboratory Program

Special [redacted]alytical Servi[redacted]
Packing L[redacted] Chain of Custody

8357-Y-02

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023966 4
Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	Southwest Research Inst.
Site Name: Montrose	3. Purpose* Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	6220 Culebra Rd
City, State: Torrance CA	Site Spill ID	San Antonio TX 78238
		ATTN: do Ann Boyd

6. Matrix (Enter in Column A): 1. Surface Water; 2. Ground Water; 3. Leachate; 4. Field QC; 5. Soil/Sediment; 6. Oil; 7. Waste; 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl; 2. HNO3; 3. $NAHSO_4$; 4. H_2SO_4; 5. NAOH; 6. Ice only; 7. Other (Specify In Column D); N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preser-vative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA914	5	L	C	6	Grain Size	1-8oz	DC4-6	4/15/94 1015	TP	D(SYA 913)
SYA913	5	L	C	6	Grain Size	1-8oz	DC4-5	4/15/94 1015	TP	—
SYA912	5	L	C	6	Grain Size	1-8oz	DC4-4	4/15/94 1055	TP	—
SYA899	5	L	C	6	Grain Size	1-8oz	TL4-3	4/15/94 1425	HO	—
SYA910	5	L	C	6	Grain Size	1-8oz	DC4-2	4/15/94 1300	TP	—
SYA911	5	L	C	6	Grain Size	1-8oz	DC4-3	4/15/94 1225	TP	—
SYA902	5	L	C	6	Grain Size	1-8oz	TL4-6	4/15/94 1110	HO	—
SYA901	5	L	C	6	Grn Size	1-8oz	TL4-5	4/15/94 1020	HO	—
SYA917	5	L	C	6	Grn Size	1-8oz	TL4-7	4/15/94 1230	HO	—
SYA916	5	L	C	6	Grn Size	1-8oz	TL4-9	4/15/94 1140	HO	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	2 of 3		T. Fuller H. Holmdahl	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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38324

EPA United States Environmental Protection Agency Contract Laboratory Program

Special Analytical Services Packing List / Chain of Custody

SAS No.: 8357-Y-02

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M Hill	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023966 4

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose* — Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

City, State: Torrance CA

Site Spill ID

5. Ship To: Southwest Research Inst. 6220 Culebra Road San Antonio, TX 78238 ATTN: Jo Ann Boyd

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil 7. Waste 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NAHSO_4$ 4. H_2SO_4 5. NAOH 6. Ice only 7. Other (Specify In Column D) N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA909	5	L	C	6	Grain Size	1-8oz	DC4-1	4/14/94 1820	TP	—
SYA904	5	L	C	6	Grain Size	1-8oz	DC3-1	4/14/94 1415	TP	—
SYA905	5	L	C	6	Grain Size	1-8oz	DC3-2	4/14/94 1555	TP	—
SYA908	5	L	C	6	Grain Size	1-8oz	DC3-5	4/14/94 1750	TP	—
SYA897	5	L	C	6	Grain Size	1-8oz	TLU-1	4/14/94 11:10	TP	—
SYA903	5	L	C	6	Grain Size	1-8oz	TLU-7	4/14/94 11:25	TP	D(B SYA903) 897
SYA906	5	L	C	6	Grain Size	1-8oz	DC3-3	4/14/94 1625	TP	—
SYA898	5	L	C	6	Grain Size	~~TLU-2~~ 1-8oz	TLU-2	4/14/94 1355	HO	—
SYA900	5	L	C	6	Grain Size	1-8oz	TLU-4	4/14/94 1515	HO	—
SYA907	5	L	C	6	Grain Size	1-8oz	DC3-4	4/14/94 1720	TP	—

Shipment for SAS Complete? (Y/N): Y

Page: 1 of 3

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: T. Fuller M. Ohlendorf

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/15/94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

EPA 9110-2 REV. 3/93

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EPA Form 9110-3

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

38353

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 2879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4.15.94	FedEx

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlon	902023 9690

Non-Superfund Program	Sampler Signature
	Susan Scanlon

Site Name	City, State	Site Spill ID
Montrose	Torrance CA	

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

5. Ship To
T/MA/Skinner & Sherman
300 2nd Ave
Waltham MA 02254
ATTN: Antonia Benney

6. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (Specify)
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only Nitrate/ Nitrite	Low Conc. only Fluoride	High only pH	High only Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC
MYN628	4	L	G		2		3					HL HL	EQ-D4	4/15/94 1445	HO		B
MYN629	4	L	G		2		3					HL HL	EQ-T4	4/15/94 1430	HO		B
MYN636	1	L	G		2		3					HL HL	DC4-2	4/15/94 1300	TP		—
MYN637	1	L	G		2		3					HL HL	DC4-3	4/15/94 1225	TP		—
MYN649	5	L	C	6	X		X					1-802	DC4-2	4/15/94 1300	TP		—
MYN650	5	L	C	6	X		X					1-802	DC4-3	4/15/94 1225	TP		—
MYN618	1	L	G		2		3					HL HL	TLL-5	4/15/94 1010	HO		—
MYN619	1	L	G		2		3					HL HL	TLL-6	4/15/94 1100	HO		—

Shipment for Case complete? (Y/N)	Page 2 of 2	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
Y			T. Pullen / Harry Ohlendorf	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.15.94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

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hcrg-1

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	AECOM Hill	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023969 0

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner & Sherman
300 2nd Ave
Waltham MA 02254
ATTN: Antonia Benney

Site Name: Montrose

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

City, State: Torrance CA

Site Spill ID

6. Preservative (Enter in Column D): 1. HCl; 2. HNO_3; 3. NaOH; 4. H_2SO_4; 5. $K_2CR_2O_7$; 6. Ice only; 7. Other (Specify); N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water; 2. Ground Water; 3. Leachate; 4. Rinsate; 5. Soil/Sediment; 6. Oil (High only); 7. Waste (High only); 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
MYN633	1	L	G		2		3					1-1L 1-1L	DC3-4	4/14/94 1720	TP		—
MYN632	1	L	G		2		3					1-1L 1-1L	DC3-3	4/14/94 1625	TP		—
MYN616	1	L	G		2		3					1-1L 1-1L	TLU-3	4/14/94 1415	HO		—
MYN615	1	L	G		2		3					1-1L 1-1L	TLU-2	4/14/94 1345	HO		—
MYN617	1	L	G		2		3					1-1L 1-1L	TLU-4	4/14/94 1510	HO		—
~~MYN624~~	~~5~~	~~L~~	~~C~~	~~6~~	~~X~~		~~X~~					~~1-802~~	~~TLU-4~~	~~4/14/94 1515~~	~~HO~~		— SB
MYN622	5	L	C	6	X		X					1-802	TLU-2	4/14/94 1355	HO		— 1639
MYN640	1	L	G		2		3					1-1L 1-1L	DC4-6	4/15/94 1015	TP		D(MYN~~638~~)SK
MYN638	1	L	G		2		3					1-1L 1-1L	DC4-4	4/15/94 1055	TP		—
MYN639	1	L	G		2		3					1-1L 1-1L	DC4-5	4/15/94 1015	TP		—

Shipment for Case complete? (Y/N): Y

Page 1 of 2

Sample used for a spike and/or duplicate

Additional Sampler Signatures: T. Pulley, H. Ollendorf

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

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Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Inorg-1

EPA — Inorganic Traffic Report & Chain of Custody Record

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902023960

Non-Superfund Program:

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Type of Activity — Lead / Pre-Remedial / Remedial / Removal

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

5. Ship To: TMA/Skinner & Sherman, 300 Second Ave., Waltham MA 02254, ATTN: Antonia Benrey

City, State: Torrance CA

Site Spill ID:

6. Preservative (Enter in Column D): 1. HCl 2. HNO_3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (Specify) N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Low Conc. only Cyanide	Low Conc. only Nitrate/ Nitrite	Low Conc. only Fluoride	High only pH	High only Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN620	1	L	G		2		3					HL 1-1L	TLU-7	4/14/94 1050	HO		D(MYN614)
MYN614	1	L	G		2		3					HL 1-1L	TLU-1	4/14/94 1015	HO		—
MYN588	4	L	G		2		3					1-1L 1-1L	EQ-P2	4/15/94 1700	SK		B
MYN641	4	L	G		2		3					HL 1-1L	EQ-V3	4/14/94 1910	GS		B
MYN642	4	L	G		2		3					1-1L 1-1L	EQ-P3	4/14/94 1900	GS		B
MYN537	4	L	G		2		3					HL 1-1L	EQ-P4	4/15/94 1325	SK		B
MYN546	4	L	G		2		3					1-1L 1-1L	EQ-V4	4/15/94 1345	SK		B
MYN645	5	L	C	6	X		X					1-802	DC3-3	4/14/94 1625	TP		—
MYN646	5	L	C	6	X		X					1-802	DC3-4	4/14/94 1720	TP		—
MYN623	5	L	C	6	X		X					1-802	TLU-3	4/14/94 1425	HO		—

Shipment for Case complete? (Y/N): Y

Page 2 of 2

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: T. Pulley, G. Santos

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.: 9	Sampling Co.: CH2M HILL	4. Date Shipped: 4-15-94	Carrier: Fed Ex
Regional Information		Sampler (Name): Susan Scanlon		Airbill Number: 902023960 90	
Non-Superfund Program		Sampler Signature: Susan Scanlon		5. Ship To: TMA/Skinner & Sherman 300 Second Ave Waltham MA 02254 ATTN: Antonia Benney	
Site Name: Montrose		3. Type of Activity: Lead SF [X] PRP [ ] ST [ ] FED [ ]; Pre-Remedial PA [ ] SSI [ ] LSI [ ]; Remedial RIFS [X] RD [ ] RA [ ] O&M [ ] NPLD [ ]; Removal CLEM [ ] REMA [ ] REM [ ] OIL [ ] UST [ ]			
City, State: Torrance CA	Site Spill ID				

6. Preservative (Enter in Column D): 1. HCl; 2. HNO_3; 3. NaOH; 4. H_2SO_4; 5. $K_2CR_2O_7$; 6. Ice only; 7. Other (Specify); N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water; 2. Ground Water; 3. Leachate; 4. Rinsate; 5. Soil/Sediment; 6. Oil (High only); 7. Waste (High only); 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
MYN648	5	L	C	6	X		X					1-8oz	DC4-1	4/14/94 1870	TP		—
MYN643	5	L	C	6	X		X					2-8oz	DC3-1	4/14/94 1415	TP		—
MYN644	5	L	C	6	X		X					1-8oz	DC3-2	4/14/94 1555	TP		—
MYN647	5	L	C	6	X		X					1-8oz	DC3-5	4/14/94 1750	TP		—
MYN630	1	L	G		2		3					3-1L 2-1L	DC3-1	4/14/94 1415	TP		—
MYN631	1	L	G		2		3					1-1L 1-1L	DC3-2	4/14/94 1555	TP		—
MYN634	1	L	G		2		3					1-1L 1-1L	DC3-5	4/14/94 1750	TP		—
MYN635	1	L	G		2		3					1-1L 1-1L	DC4-1	4/14/94 1820	TP		—
MYN621	5	L	G	6	X		X					1-8oz	TLU-1	4/14/94 11:10	TP		—
MYN627	5	L	G	6	X		X					1-8oz	TLU-7	4/14/94 11:25	TP		D(MYN621)

Shipment for Case complete? (Y/N): Y

Page 1 of 2

Sample used for a spike and/or duplicate: MYN643, MYN630

Additional Sampler Signatures: Trudy Pullen

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1745				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: [ ] Accepted (Signature) [ ] Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

S No. | Case: R94S12

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 9020239675

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: USEPA Region 9 Lab, 1301 South 46th St Bldg 201, Richmond CA 94804
ATTN: ~~510 41~~ Sample Custodian

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Purpose*: Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil 7. Waste 8. Other (Specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NAHSO_4$ 4. H_2SO_4 5. NAOH 6. Ice only 7. Other (Specify In Column D) N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYB034	5	L	C	6	Pesticides	1-8oz	DC4-1	4/14/94 1820	TP	—
SYB029	5	L	C	6	Pesticides	2-8oz	DC3-1	4/14/94 1415	TP	—
SYB033	5	L	C	6	Pesticides	1-8oz	DC3-5	4/14/94 1750	TP	—
SYB022	1	L	G	6	Pesticides, TDS & TSS	~~DC~~ 2-1L, 1-1L	DC3-5	4/14/94 1750	TP	—
SYB018	1	L	G	6	Pesticides, TDS & TSS	~~2-1~~ 4-1L, 2-1L	DC3-1	4/14/94 1415	TP	—
SYB019	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC3-2	4/14/94 1555	TP	—
SYB023	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	DC4-1	4/14/94 1820	TP	—
SYB008	5	L	C	6	Pesticides	1-8oz	TLU-1	4/14/94 1110	HO	—
SYB014	5	L	C	6	Pesticides	1-8oz	TLU-7	4/14/94 1125	HO	D(SYB008)
SYB030	5	L	C	6	Pesticides	1-8oz	DC3-2	4/14/94 1555	TP	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1	SYB029, SYB018	Trudy Pulley	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.14.94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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38347

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.:

Case No.: R94S12

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4.15.94	FED-EX

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023967 5

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: MONTROSE

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
Long-Term Action: [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST
[ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To:
US EPA REGION 9 LAB
1301 S. 46th St., Bld 201
RICHMOND, CA 94804
ATTN: SAMPLE CUSTODIAN

City, State: TORRANCE, CA

Site Spill ID:

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from label/s)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample
SYB001	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLU-1	4/14/94 1015	HO	—
SYB007	1	L	G	6	Pesticides, TDS & TSS	2-1L, 1-1L	TLU-7	4/14/94 1050	HO	D (SYB001)
SYA975	4	L	G	6	Pesticides	2-1L	EQ-B2	4/13/94 1700	SK	R
SYB047	4	L	G	6	Pesticides	2-1L	EQ-U3	4/14/94 1910	GS	R
SYB048	4	L	G	6	Pesticides	2-1L	EQ-P3	4/14/94 1900	GS	R
SYB040	4	L	G	6	Pesticides	~~EQ-P4~~ 2-1L	EQ-P4	4/15/94 1320	SK	R
SYA938	4	L	G	6	Pesticides	2-1L	EQ-U4	4/15/94 1345	SK	R
SYB037	5	L	C	6	Pest.	1-8oz	DC4-4	4/15/94 1055	TP	—
SYB038	5	L	C	6	Pest.	1-8oz	DC4-5	4/15/94 1015	TP	—
SYB039	5	L	C	6	Pest.	1-8oz	DC4-6	4/15/94 1015	TP	D (SYB038)

Shipment for SAS Complete? (Y/N)

Page: 1 of 1

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: H. Ohlendorf G. Santolo

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/15/94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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38301

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

S No. [redacted] Ca[redacted] R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023 9675

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose*
Lead: [x] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
[ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST
Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To: EPA Region 9 Lab
1301 S. 46 st Bl2 201
Richmond CA 94804
ATTN: Sample Custodian

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYB021	1	L	G	6	Pestiades TDS & TSS	2-1L 1-1L	DC3-4	4/14/94 1720	TP	—
SYB003	1	L	G	6	Pestiades TDS & TSS	2-1L 1-1L	TLU-3	4/14/94 1415	TP	—
SYB002	1	L	G	6	Pestiades TDS & TSS	2-1L 1-1L	TLU-2	4/14/94 1345	HO	—
SYB017	4	L	G	6	Pestiades	2-1L	EQ-T4	4/15/94 1430	HO	R
SYB016	4	L	G	6	Pestiades	2-1L	EQ-D4	4/15/94 1445	HO	R
SYB025	1	L	G	6	Pestiades TDS & TSS	2-1L 1-1L	DC4-3	4/15/94 1225	TP	—
SYB024	1	L	G	6	Pestiades, TDS & TSS	2-1L 1-1L	DC4-2	4/15/94 1300	TP	—
SYB035	5	L	C	6	Pestiades	1-8oz	DC4-2	4/15/94 1300	TP	—
SYB036	5	L	C	6	Pestiades	1-8oz	DC4-3	4/15/94 1225	TP	—

Shipment for SAS Complete? (Y/N)

Page 1 of 1

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: T. Pulley H. Allendorf

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/15/94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

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38326

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.:

Case No.: R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-15-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023967 5

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: USEPA Region 9 Lab
1301 S 46th St. Bldg 201
Richmond CA 94804
ATTN: Sample Custodian

Site Name: Montrose

3. Purpose*

Lead	Early Action		Long-Term Action	
[x] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

City, State: Torrance CA

Site Spill ID:

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYB032	5	L	C	6	Pesticides	1-8oz	DC3-4	4/14/94 1720	TP	—
SYB031	5	L	C	6	Pesticides	1-8oz	DC3-3	4/14/94 1625	TP	—
SYB009	5	L	C	6	Pesticides	1-8oz	TLU-2	4/14/94 1355	HO	—
SYB010	5	L	C	6	Pesticides	1-8oz	TLU-3	4/14/94 1425	HO	—
SYB011	5	L	C	6	Pesticides	1-8oz	TLU-4	4/14/94 1515	HO	— SYB027 (DUP of SYB023)
SYB028	1	L	G	6	Pesticides, TDS&TSS	2-1L, 1-1L	DC4-6	4/15/94 1015	TP	
SYB026	1	L	G	6	Pesticides, TDS&TSS	2-1L 1-1L	DC4-4	4/15/94 1055	TP	—
SYB027	1	L	G	6	Pesticides, TDS&TSS	2-1L 1-1L	DC4-5	4/15/94 1015	TP	—
SYB004	1	L	G	6	Pesticides, TDS&TSS	2-1L 1-1L	TLU-4	4/14/94 1510	HO	—
SYB020	1	L	G	6	Pesticides, TDS&TSS	2-1L 1-1L	DC3-3	4/14/94 1625	TP	—

Shipment for SAS Complete? (Y/N): N

Page: 1 of 1

Sample(s) to be Used for Laboratory QC:

Additional Sampler Signatures: T. Pulley / Hans Ohlendorf

Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-15-94 1830				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

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38325

EPA United States Environmental Protection Agency
Contract Laboratory Program

[redacted] Spe[redacted] / [redacted]ical [redacted]vic[redacted] Packing List/Chain of Custody

[redacted] No. 8357-Y-01 | [redacted] Cas[redacted]

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-18-94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023975C

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose*
Lead: [X] SF [ ] PRP [ ] ST [ ] FED
Early Action: [ ] CLEM [ ] PA [ ] REM
Long-Term Action: [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To: Ceimic Corporation
10 Dean Knauss Dr.
Narragansett RI 02882
ATTN: Miguel Muzzio

City, State: Torrance CA

Site Spill/ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 860	5	L	C	6	TOC	1-4oz	BDCE-1	4/16/94 0950	GS	—
SYA 861	5	L	C	6	TOC	1-4oz	BDCE-2	4/16/94 1010	GS	—
SYA 805	5	L	C	6	TOC	1-4oz	BDCE-3	4/16/94 1030	GS	—
SYA 806	5	L	C	6	TOC	1-4oz	BDCW-1	4/16/94 1105	GS	—
SYA 807	5	L	C	6	TOC	1-4oz	BDCW-2	4/16/94 1110	GS	—
SYA 811	5	L	C	6	TOC	1-4oz	BDCW-3	4/16/94 1150	GS	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 1		G Santolo	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-18-94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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A21-012-7-REV. 3/93

SI

38303

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special A ytical Services Packing List/Chain of Custody

SAS No.: 8357-Y-02

Case No.:

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-18-94	FED EX

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023 9760

Non-Superfund Program

Sampler Signature: Susan Scanlon

Site Name: Montrose

3. Purpose* — Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; Long-Term Action: [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

5. Ship To: SOUTHWEST RESEARCH INST
6220 CULEBRA RD
SAN ANTONIO TX 78238
ATTN: Jo ANN BOYD

City, State: Torrance CA

Site Spill ID:

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) / Other	B Conc. Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) / Other	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA 919	S	L	C	6	Grain Size	1-8oz	BDCE-1	4/16/94 0950	GS	—
SYA 920	S	L	C	6	Grain Size	1-8oz	BDCE-2	4/16/94 1040	GS	—
SYA 864	S	L	C	6	Grain Size	1-8oz	BDCE-3	4/16/94 1030	GS	—
SYA 865	S	L	C	6	GrainSize	1-8oz	BDCW-1	4/16/94 1105	GS	—
SYA 866	S	L	C	6	Grain Size	1-8oz	BDCW-2	4/16/94 1110	GS	—
SYA 870	S	L	C	6	Grain Size	1-8oz	BDCW-3	4/16/94 1150	GS	—

Shipment for SAS Complete? (Y/N)

Page: 1 of 1

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: G Santos

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4/18/94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

DISTRIBUTION: White - Region Copy; Yellow - SMO Copy; Gold - Lab Copy for Return to Region; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

A21-012-7 REV-3/89

S2

38304

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic ..affic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-18-94	FEDEX

Regional Information:

Sampler (Name): Susan Scanlon

Airbill Number: 902023974 5

Non-Superfund Program:

Sampler Signature: Susan Scanlon

5. Ship To: TMA/Skinner & Sherman
300 Second Ave
Waltham MA 02254
ATTN: Antonia Benney

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS X	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (Specify)
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MYN663	5	L	C	6	X		X					1-8oz	BDCE-2	4/16/94 1010	GS		—
MYN662	5	L	C	6	X		X					1-8oz	BDCE-1	4/16/94 0950	GS		—
MYN664	5	L	C	6	X		X					1-8oz	BDCE-3	4/16/94 1030	GS		—
MYN544	5	L	C	6	X		X					1-8oz	BDCW-2	4/16/94 1110	GS		—
MYN665	5	L	C	6	X		X					1-8oz	BDCW-1	4/16/94 1105	GS		—
MYN545	5	L	C	6	X		X					1-8oz	BDCW-3	4/16/94 1150	GS		—

Shipment for Case complete? (Y/N)

Page 1 of 2
2

Sample used for a spike and/or duplicate

Additional Sampler Signatures: G Santolo

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-18-94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

53 DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21879

1. Project Code	Account Code	2. Region No.: 9	Sampling Co.: CH2M HILL	4. Date Shipped: 4-18-94	Carrier: Fed Ex
Regional Information		Sampler (Name): Susan Scanlon		Airbill Number: 902023974 5	
Non-Superfund Program: ~~Montrose~~		Sampler Signature: Susan Scanlon		5. Ship To: TMA / Skinner & Sherman, 300 Second Ave, Waltham, MA 02254, ATTN: Antonia Benney	
Site Name: Montrose		3. Type of Activity: SF (Lead) PRP ST FED; Pre-Remedial: PA SSI LSI; Remedial: RIFS RD RA O&M NPLD; Removal: CLEM REMA REM OIL UST			
City, State: Torrance CA	Site Spill ID				

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (Specify) N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/ Nitrite	Low Conc. only: Fluoride	High only: pH	High only: Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
MYN624	5	L	C	6	X		X					1-802	TLU-4	4/14/94 1515	HO		—
MYN653	5	L	C	6	X		X					1-802	DC4-6	4/15/94 1015	TP		D(MYN652)
MYN651	5	L	C	6	X		X					1-802	DC4-4	4/15/94 1055	TP		—
MYN652	5	L	C	6	X		X					1-802	DC4-5	4/15/94 1015	TP		—
MYN659	5	L	C	6	X		X					1-802	TLU-9	4/15/94 1140	HO		—
MYN660	5	L	C	6	X		X					1-802	TLL-7	4/15/94 1230	HO		—
MYN661	5	L	C	6	X		X					1-802	TLL-8	4/15/94 1250	HO		—
MYN658	5	L	C	6	X		X					1-802	TLU-8	4/15/94 1130	HO		—
MYN625	5	L	C	6	X		X					1-802	TLU-5	4/15/94 1020	HO		—
MYN626	5	L	C	6	X		X					1-802	TLU-6	4/15/94 1110	HO		—

Shipment for Case complete? (Y/N): Y

Page 1 of 2

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: A. Ohlendorf T. Pulley

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-18-94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION: Green - Region Copy, Pink - SMO Copy, White - Lab Copy for return to Region, Yellow - Lab

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No. [redacted] Case No. R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-18-94	FED EX

Regional Information	Sampler (Name)	Airbill Number
	SUSAN SCANLON	902023977 1

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlon	USEPA REGION 9 LAB 1301 SOUTH 46TH ST. BLD 201 RICHMOND CA 94804 ATTN: SAMPLE CUSTODIAN

Site Name: Montrose

City, State: Torrance CA

Site Spill ID:

3. Purpose*

Lead	Early Action		Long-Term Action	
[X] SF	[ ] CLEM	[ ] SI	[ ] FS	
[ ] PRP	[ ] PA	[ ] ESI	[ ] RD	
[ ] ST	[ ] REM	[ ] RI	[ ] RA	
[ ] FED		[ ] OIL	[ ] O&M	
		[ ] UST	[ ] NPLD	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYB050	5	L	C	6	Pesticides	1-802	TLU-9	4/15/94 1140	HO	—
SYB051	5	L	C	6	Pesticides	1-802	TLL-7	4/15/94 1230	HO	—
SYB052	5	L	C	6	Pesticides	1-802	TLL-8	4/15/94 1250	HO	—
SYB049	5	L	C	6	Pesticides	1-802	TLU-8	4/15/94 1130	HO	—
SYB013	5	L	C	6	Pesticides	1-802	TLU-6	4/15/94 1110	HO	—
SYB012	5	L	C	6	Pesticides	1-802	TLU-5	4/15/94 1020	HO	—
SYB006	1	L	G	6	Pesticides TDS&TSS	2-1L 1-1L	TLU-6	4/15/94 1100	HO	—
SYB005	1	L	G	6	Pesticides, TDS&TSS	2-1L 1-1L	TLU-5	4/15/94 1010	HO	—
SYA925	5	L	C	6	Pesticides	1-802	BDCE-2	4/16/94 1010	GS	—
SYA924	5	L	C	6	Pesticides	1-802	BDCE-1	4/16/94 0950	GS	—

Shipment for SAS Complete? (Y/N)	Page 1 of 2	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
			H. Ohlendorf G. Santolo	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.18.94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-2-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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38305

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special A[illegible]rtical Services Packing List/Chain of Custody

SAS No.

Case No. R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4.18.94	Fed Ex

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023972 1

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: EPA Region 9 Lab, 1301 S. 46 St Bld 201, Richmond CA 94804, ATTN: Sample Custodian

Site Name: Montrose

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM
SI, ESI, RI, OIL, UST
Long-Term Action: FS, RD, RA, O&M, NPLD

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)
8 = Biota

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NAOH
6. Ice only
7. Other (Specify in Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYB076	8	L	C	6	VOA SVOA Pest Metals	1-8oz wholefish	TLL-2	4/16/94 1600	HO	—
SYB077	8	L	C	6	VOA SVOA Pest Metals	1-8oz wholefish	DC-1	4/16/94 1700	HO	—
SYB078	8	L	C	6	VOA SVOA Pest Metals	1-8oz wholefish	DC-2	4/16/94 1703	HO	—
SYB079	8	L	C	6	VOA SVOA Pest Metals	1-Bag wholefish	DC-4	4/15/94 1509	HO	—
~~SYB080~~	~~8~~	~~L~~	~~C~~	~~6~~	~~VOA SVOA Pest Metals~~	~~1-8oz~~	~~DC-3~~	~~4/16/94 1500~~	~~HO~~	~~—~~
SYB080	8	L	C	6	Pesticides Metals	1-4oz jar	DC-1 EGG	4/16/94 1520	HO	—

Shipment for SAS Complete? (Y/N)

Page 4 of 4

Sample(s) to be Used for Laboratory QC

Additional Sampler Signatures: A. Ohlendorf

Chain of Custody Seal Number(s)

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4.18.94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

EPA Form 9110-3 REV. 3/93

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

SY

38323

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

[redacted] No. [redacted] Case [redacted] R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-18-94	FED EX

Regional Information	Sampler (Name)	Airbill Number
	Susan Scanlan	902023977 1

Non-Superfund Program	Sampler Signature	5. Ship To
	Susan Scanlan	EPA Region 9 Lab 1301 S. 46 ST Bld 201 Richmond CA 94804 ATTN: Sample Custodian

Site Name	3. Purpose*	
Montrose	Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; Long-Term Action: [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD	
City, State: Torrance CA	Site Spill ID	

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO_3
3. $NAHSO_4$
4. H_2SO_4
5. NaOH
6. Ice only
7. Other (Specify In Column D)
N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYB066	8	L	C	6	VOA SVOA Pest Metals	~~1-Bag~~ 1-8oz whole fish	TLL-1G	4/14/94 1645	HO	—
SYB067	8	L	C	6	VOA SVOA Pest Metals	~~1-Bag~~ 1-8oz whole fish	TLL-1H	4/14/94 1645	HO	—
SYB068	8	L	C	6	VOA SVOA Pest Metals	~~1-Bag~~ 1-8oz whole fish	TLL-1I	4/14/94 1645	HO	—
SYB069	8	L	C	6	VOA SVOA Pest Metals	1-Bag whole fish	TLDC-1	4/16/94 1500	HO	—
SYB070	8	L	C	6	VOA SVOA Pest Metals	1-Bag Whole fish	TLDC-2	4/16/94 1500	HO	D(SYB069)
SYB071	8	L	C	6	VOA SVOA Pest Metals	1-Bag Whole fish	TLDC-3	4/16/94 1500	HO	—
SYB072	8	L	C	6	VOA SVOA Pest Metals	1-Bag Whole fish	TLDC-4	4/16/94 1500	HO	—
SYB073	8	L	C	6	VOA SVOA Pest Metals	1-8oz whole fish	DC4-1	4/16/94 1035	HO	—
SYB074	8	L	C	6	VOA SVOA Pest Metals	1-8oz whole fish	DC3-1	4/16/94 1130	HO	—
SYB075	8	L	C	6	VOA SVOA Pest Metals	1-8oz whole fish	TLL-1	4/16/94 1400	HO	—

Shipment for SAS Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
(Y)	3 of 4	SYB069	H. Odendorf	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlan	4-18-94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

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EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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38328

EPA United States Environmental Protection Agency Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No.:

Case No.: R94512

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		9	CH2M HILL	4-18-94	FED EX

Regional Information

Sampler (Name): Susan Scanlon

Airbill Number: 902023977 1

Non-Superfund Program

Sampler Signature: Susan Scanlon

5. Ship To: EPA Region 9 Lab, 1301 S. 46 ST BLD 201, Richmond CA 94804, ATTN: Sample Custodian

Site Name: Montrose

3. Purpose*: Lead: [X] SF [ ] PRP [ ] ST [ ] FED; Early Action: [ ] CLEM [ ] PA [ ] REM; Long-Term Action: [ ] SI [ ] ESI [ ] RI [ ] OIL [ ] UST; [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD

City, State: Torrance CA

Site Spill ID

6. Matrix (Enter in Column A): 1. Surface Water, 2. Ground Water, 3. Leachate, 4. Field QC, 5. Soil/Sediment, 6. Oil, 7. Waste, 8. Other (Specify in Column A) 8 = Biota

7. Preservative (Enter in Column D): 1. HCl, 2. HNO3, 3. $NAHSO_4$, 4. H_2SO_4, 5. NAOH, 6. Ice only, 7. Other (Specify In Column D), N. Not preserved

Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med High	C Sample Type Comp./ Grab	D Preservative (from Box 7) Other:	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
SYA931	5	L	C	6	Pesticides	1-8oz	BDCE-3	4/16/94 1030	GS	—
SYA933	5	L	C	6	Pesticides	1-8oz	BDCW-2	4/16/94 1110	GS	—
SYA932	5	L	C	6	Pesticides	1-8oz	BDCW-1	4/16/94 1105	GS	—
SYB053	5	L	C	6	Pesticides	1-8oz	BDCW-3	4/16/94 1150	GS	—
SYB060	8	L	C	6	VOA, SVOA, Pest., Metals	1-bag, whole fish	TLL-1A	4/14/94 1645	HO	—
SYB061	8	L	C	↓	VOA, SVOA, Pest. Metals	1-bag, whole fish	TLL-1B	4/14/94 1645	HO	—
SYB062	8	L	C		VOA, SVOA, Pest. Metals	1-bag, whole fish	TLL-1C	4/14/94 1645	HO	—
SYB063	8	L	C		VOA SVOA Pest. Metals	1-bag whole fish	TLL-1D	4/14/94 1645	HO	—
SYB064	8	L	C		VOA SVOA Pest Metals	1-bag whole fish	TLL-1E	4/14/94 1645	HO	—
SYB065	8	L	C	↓	VOA SVOA Pest Metals	1 bag Whole fish	TLL-1F	4/14/94 1645	HO	D(SYB060)

Shipment for SAS Complete? (Y/N): Y

Page: 2 of 3

Sample(s) to be Used for Laboratory QC: SYB060

Additional Sampler Signatures: G Sandlo H Oklendorf

Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Susan Scanlon	4-18-94 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-7 REV. 3/93

DISTRIBUTION: White - Region Copy; Yellow - SMO Copy; Gold - Lab Copy for Return to Region; Pink - Lab Copy for Return to SMO

EPA Form 9110-3

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

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38306

Attachment C
Field Quality Assurance Forms

Attachment C

Field Quality Assurance Forms

Field Quality Assurance forms for the Montrose Superfund Site field sampling effort (April 11 through April 16, 1994) are presented by media (surface water, sediment, and biota) and analytical laboratory.

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4/11/94 – 4/16/94
Site: MONTROSE Stormwater
Sampler: KEYDEL
Case/SAS #: 21879
Office: CH2M HILL
Laboratory: SW LABS of OK.
Phone: 570·251·2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air
X Surface Water ___Subsurface Soil ___Other_____

I. BLANKS

Sample #	Type (circle one)	Date Collected
✓ YQ179	(Equip) / Field / Travel	4·12·94
✓ YQ180	(Equip) / Field / Travel	
✓ YQ 181	(Equip) / Field / Travel	
✓ YQ 182	Equip / Field / (Travel)	
✓ YQ 175	Equip / (Field) / Travel	
✓ YQ 171	(Equip) / Field / Travel	4·13·94
✓ YQ 172	(Equip) / Field / Travel	4·13·94
✓ YQ 195	Equip / Field / (Travel)	4·13·94
✓ YQ 194	Equip / Field / (Travel)	4·14·94
✓ YQ 197	(Equip) / Field / Travel	4·15·94
YQ196	Equip / Field / (Travel)	4·15·94
✓ YQ 192	(Equip) / Field / Travel	4·15·94
✓ YQ 193	(Equip) / Field / Travel	4·15·94

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
[illegible]	[illegible]
✓ YQ178	4·12·94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
✓ YQ 169	YQ170	4·11·94	(a) / b / c / d
✓ YQ 178	YQ 187	4·12·94	(a) / b / c / d
✓ YQ 188	YQ 189	4·14·94	X / (b) / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

		Sample # / Date(s) of Occurrence / Comments
___	None	
___	Pumping Equipment Problems	
X	Sample Filtering Problems	YQ184 not submitted (4·12·94) for SVOC: filter pump failed
___	Less Than Required Sample Volume	
___	Low Flow/Recharge Rates	
___	Preservation Problems	
___	Samples Not Shipped in 24 hrs.	
___	Federal Express Delay	
X	Other	YQ197 4·15·94 Ran out of HPLC Water, so no SVOC bottles submitted for analysis

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4/11/94 - 4/16/94 Site: MONTROSE Stormwater

Sampler: KEYDEL Case/SAS #: 21879

Office: CH2M HILL Laboratory: TMA / Skinner & Sherman

Phone: 510·251·2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air
X Surface Water ___Subsurface Soil ___Other_____

I. BLANKS

Sample #	Type (circle one)	Date Collected
MYN561	(Equip) / Field / Travel	4.12.94
MYN 562	(Equip) / Field / Travel	
MYN 563	(Equip) / Field / Travel	
MYN 667	(Equip) / Field / Travel	
MYN 555	(Equip) / Field / Travel	4.12.94
MYN 548	Equip / (Field) / Travel	4.12.94
MYN 587	(Equip) / Field / Travel	4.13.94
MYN 611	(Equip) / Field / Travel	4.13.94
MYN 612	(Equip) / Field / Travel	4.13.94
MYN 541	(Equip) / Field / Travel	4.13.94
MYN 540	(Equip) / Field / Travel	4.13.94
MYN 628	(Equip) / Field / Travel	4.15.94

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
MYN 576	4.13.94
MYN 556	4.12.94
MYN 630	4.14.94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
MYN 534	MYN 539	4.11.94	(a) / b / c / d
MYN 556	MYN 613	4.12.94	(a) / b / c / d
MYN 668	MYN 673	4.12.94	(a) / b / c / d
MYN 564	MYN 569	4.12.94	(a) / b / c / d
MYN 582	MYN 586	4.14.94	(a) / b / c / d
MYN 639	MYN 640	4.15.94	(a) / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___None	
___Pumping Equipment Problems	
___Sample Filtering Problems	
___Less Than Required Sample Volume	
___Low Flow/Recharge Rates	
___Preservation Problems	
___Samples Not Shipped in 24 hrs.	
___Federal Express Delay	
___Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4-11-94 to 4/16/94 Site: MONTROSE Stormwater

Sampler: KEYDEL Case/SAS #: 21879

Office: CH2M HILL Laboratory: TMA / Skinner + Sherman

Phone: 510 251 2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air X Surface Water ___Subsurface Soil ___Other

I. BLANKS

Sample #	Type (circle one)	Date Collected
MYN 629	(Equip) / Field / Travel	4-15-94
MYN 588	(Equip) / Field / Travel	4-13-94
MYN 641	(Equip) / Field / Travel	4-14-94
MYN 642	(Equip) / Field / Travel	4-14-94
MYN 537	(Equip) / Field / Travel	4-15-94
MYN 546	(Equip) / Field / Travel	4-15-94
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
MYN 614	MYN 620	4-14-94	(a) / (b) / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

___None
___Pumping Equipment Problems
___Sample Filtering Problems
___Less Than Required Sample Volume
___Low Flow/Recharge Rates
___Preservation Problems
___Samples Not Shipped in 24 hrs.
___Federal Express Delay
X Other

Sample # / Date(s) of Occurrence / Comments

MYN641 4-14-94 De-I water used for Equip. blanks for metals and cyanide analysis. (Ran out of HPLC water).

MYN546 4-15-94

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4.11.94 - 4/16/94
Site: MONTROSE Stormwater
Sampler: Castleberry, Keydel
Case/SAS #: R94512
Office: CH2M Hill
Laboratory: US EPA Region 9
Phone: 510-251-2426

Matrix: (check one) ___ Groundwater ___ Surface Soil ___ Air
(X) Surface Water ___ Subsurface Soil ___ Other_____

I. BLANKS

Sample #	Type (circle one)	Date Collected
SYA 935	Equip / (Field) / Travel	4.12.94
SYA 942	(Equip) / Field / Travel	4.12.94
SYA 948	(Equip) / Field / Travel	4.12.94
SYA 949	(Equip) / Field / Travel	4.12.94
SYA 950	(Equip) / Field / Travel	4.12.94
SYA 928	(Equip) / Field / Travel	4.13.94
SYA 927	(Equip) / Field / Travel	4.13.94
SYA 999	(Equip) / Field / Travel	4.13.94
SYA 998	(Equip) / Field / Travel	4.13.94
SYA 974	(Equip) / Field / Travel	4.13.94
SYB 017	(Equip) / Field / Travel	4.15.94
SYB 016	(Equip) / Field / Travel	4.15.94

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
SYA943	4.12.94
SYA963	4.13.94
SYB018	4.14.94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
SYA 921	SYA 920	4.11.94	(a) / b / c / d
SYA 951	SYA 956	4.12.94	(a) / b / c / d
SYB 000	SYA 943	4.12.94	(a) / b / c / d
SYA 969	SYA 973	4.14.94	(a) / b / c / d
SYB 027	SYB 028	4.15.94	(a) / b / c / d
SYB 001	SYB 007	4.14.94	(X) / (b) / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___ None	
___ Pumping Equipment Problems	
___ Sample Filtering Problems	
___ Less Than Required Sample Volume	
___ Low Flow/Recharge Rates	
___ Preservation Problems	
___ Samples Not Shipped in 24 hrs.	
___ Federal Express Delay	
___ Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4.11.94 to 4.16.94 **Site:** MONTROSE Stormwater

Sampler: ICEYDEL **Case/SAS #:** R94512

Office: CH2M HILL **Laboratory:** US EPA Region 9

Phone: 510.251.2426

Matrix: (check one) ___ Groundwater ___ Surface Soil ___ Air
X Surface Water ___ Subsurface Soil ___ Other_____

I. BLANKS

Sample #	Type (circle one)	Date Collected
✓SYA 975	(Equip) / Field / Travel	4.13.94
✓SYB 047	(Equip) / Field / Travel	4.14.94
✓SYB 048	(Equip) / Field / Travel	4.14.94
✓SYB 040	(Equip) / Field / Travel	4.15.94
✓SYA 938	(Equip) / Field / Travel	4.15.94
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
			a / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

		Sample # / Date(s) of Occurrence / Comments
___	None	
___	Pumping Equipment Problems	
___	Sample Filtering Problems	
X	Less Than Required Sample Volume	SYB047 4.14.94 Post: only 1.5 L submitted (not 2L
___	Low Flow/Recharge Rates	
___	Preservation Problems	
___	Samples Not Shipped in 24 hrs.	
___	Federal Express Delay	
___	Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4-11-94 – 4-16-94 Site: Montrose Stormwater

Sampler: KEYDEL Case/SAS #: 8357-Y-01

Office: CH2M HILL Laboratory: CEIMIC CORP

Phone: 510-251-2426

Matrix: ___Groundwater ___Surface Soil ___Air

(check one) ___Surface Water ___Subsurface Soil X Other SEDIMENT

I. BLANKS

Sample #	Type (circle one)	Date Collected
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
✓ SYA 804	SYA 808	4-11-94	(a) / b / c / d
✓ SYA 809	SYA 814	4-12-94	(X) / (b) / c / d
✓ SYA 815	SYA 820	4-12-94	(a) / b / c / d
✓ SYA 832	SYA 837	4-13-94	(X) / (b) / c / d
✓ SYA 824	SYA 826	4-13-94	(a) / b / c / d
✓ SYA 844	SYA 838	4-14-94	(a) / b / c / d
✓ SYA 855	SYA 854	4-15-94	(a) / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___None	
___Pumping Equipment Problems	
___Sample Filtering Problems	
___Less Than Required Sample Volume	
___Low Flow/Recharge Rates	
___Preservation Problems	
___Samples Not Shipped in 24 hrs.	
___Federal Express Delay	
___Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4/11/94 - 4/16/94 Site: Montrose (Stormwater)

Sampler: KEYDEL Case/SAS #: 8357-4-02

Office: CH2M HILL Laboratory: Southwest Research Inst.

Phone: 510·251·2426

Matrix: ___Groundwater ___Surface Soil ___Air

(check one) ___Surface Water ___Subsurface Soil X Other SEDIMENT

I. BLANKS

Sample #	Type (circle one)	Date Collected
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
✓ SYA 863	SYA 867	4-11-94	(a) / b / c / d
✓ SYA 868	SYA 873	4-12-94	X / (b) / c / d
✓ SYA 874	SYA 879	4-12-94	(a) / b / c / d
✓ SYA 883	SYA 885	4-13-94	(a) / b / c / d
✓ SYA 891	SYA 896	4-13-94	(a) / b / c / d
✓ SYA 897	SYA 903	4-14-94	(a) / b / c / d
✓ SYA 914	SYA 913	4-15-94	(a) / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

___None

___Pumping Equipment Problems

___Sample Filtering Problems

___Less Than Required Sample Volume

___Low Flow/Recharge Rates

___Preservation Problems

___Samples Not Shipped in 24 hrs.

___Federal Express Delay

___Other

Sample # / Date(s) of Occurrence / Comments

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4/11/94 - 4/16/94 Site: MONTROSE Stormwater

Sampler: KEYDEL Case/SAS #: 21879

Office: CH2M HILL Laboratory: SW LABS OF OKLA.

Phone: 510 · 251 · 2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air ___Surface Water ___Subsurface Soil X Other SEDIMENT

I. BLANKS

Sample #	Type (circle one)	Date Collected
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
YQ193	4-11-94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
YQ185	YQ186	4-12-94	(a) / b / c / d
YQ190	YQ191	4-14-94	(a) / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___None	
___Pumping Equipment Problems	
___Sample Filtering Problems	
___Less Than Required Sample Volume	
___Low Flow/Recharge Rates	
___Preservation Problems	
___Samples Not Shipped in 24 hrs.	
___Federal Express Delay	
___Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4-11-94 – 4-16-94 **Site:** MONTROSE Stormwater

Sampler: KEYDEL **Case/SAS #:** 21879

Office: CH2M HILL **Laboratory:** TMA / Skinner + Sherman

Phone: 510-251-2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air ___Surface Water ___Subsurface Soil X Other SEDIMENT

I. BLANKS

Sample #	Type (circle one)	Date Collected
see main summary page	Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
✓ MYN542	4-11-94
✓ MYN589	4-13-94
✓ MYN643	4-14-94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
✓ MYN543	MYN547	4-11-94	(a) / b / c / d
✓ MYN549	MYN554	4-12-94	X / (b) / c / d
✓ MYN570	MYN575	4-12-94	(a) / b / c / d
✓ MYN592	MYN594	4-13-94	(a) / b / c / d
✓ MYN600	MYN605	4-13-94	(a) / b / c / d
✓ MYN621	MYN627	4-14-94	(a) / b / c / d
✓ MYN652	MYN653	4-15-94	(a) / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___None	
___Pumping Equipment Problems	
___Sample Filtering Problems	
___Less Than Required Sample Volume	
___Low Flow/Recharge Rates	
___Preservation Problems	
___Samples Not Shipped in 24 hrs.	
___Federal Express Delay	
___Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4/11/94 - 4/16/94
Site: Montrose Stormwater
Sampler: Castleberry · KEYDEL
Case/SAS #: R94512
Office: CH2M Hill
Laboratory: Region 9 Lab (EPA)
Phone: 510-251-2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air ___Surface Water ___Subsurface Soil X Other SEDIMENT

I. BLANKS

Sample #	Type (circle one)	Date Collected
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
✓ SYA929	4-11-94
✓ SYA 976	4-13-94
✓ SYB029	4-14-94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
✓ SYA 930	SYA 934	4-11-94	(a) / b / c / d
✓ SYA 936	SYA 941	4-12-94	(X) / (b) / c / d
✓ SYA 957	SYA 962	4-12-94	(a) / b / c / d
✓ SYA 987	SYA 992	4-13-94	(X) / (b) / c / d
✓ SYA 979	SYA 981	4-13-94	(a) / b / c / d
✓ SYB 038	SYB 039	4-15-94	(a) / b / c / d
✓ SYB 008	SYB 014	4-14-94	(X) / (b) / c / d

a= composite split
b= consecutive soil sleeves
c= colocated
d= consecutive

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___None	
___Pumping Equipment Problems	
___Sample Filtering Problems	
___Less Than Required Sample Volume	
___Low Flow/Recharge Rates	
___Preservation Problems	
___Samples Not Shipped in 24 hrs.	
___Federal Express Delay	
___Other	

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

Date: 4-11-94 → 4-16-94
Site: MONTROSE Stormwater
Sampler: KEYDEL
Case/SAS #: R9S12
Office: CH2M HILL
Laboratory: EPA Region 9
Phone: 510-251-2426

Matrix: (check one) ___Groundwater ___Surface Soil ___Air ___Surface Water ___Subsurface Soil X Other BIOTA

I. BLANKS

Sample #	Type (circle one)	Date Collected
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	
	Equip / Field / Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
✓ SYB054	4-12-94
✓ SYB060	4-14-94
✓ SYB069	4-16-94

IV. DUPLICATES

Sample #	Matches Sample #	Date Collected	Type (circle one)
✓ SYB 054	SYB055	4-12-94	(a) / b / c / d
✓ SYB 065	SYB 060	4-14-94	(a) / b / c / d
✓ SYB 070	SYB069	4-16-94	(a) / b / c / d
			a / b / c / d
			a / b / c / d
			a / b / c / d

a= composite split
b= consecutive
c= colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

	Sample # / Date(s) of Occurrence / Comments
___None	
___Pumping Equipment Problems	
___Sample Filtering Problems	
___Less Than Required Sample Volume	
___Low Flow/Recharge Rates	
___Preservation Problems	
___Samples Not Shipped in 24 hrs.	
___Federal Express Delay	
___Other	

Attachment D
Laboratory Analytical Results

Attachment D

Laboratory Analytical Results

Laboratory analytical chemical results for the Montrose Superfund Site field sampling effort (April 11 through April 16, 1994) have been validated and are presented by sampling media; surface water, sediment, and biota. Within each media, analytical results are listed in the following order:

- Volatile organics
- Semi-volatile organics
- Pesticides/PCBs
- Metals
- Cyanide
- Total Suspended/Dissolved Solids (surface water only)
- Total Organic Carbon (sediment only)
- Grain Size (sediment only).

Surface Water

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Water Samples for RAS Volatiles

Concentration in ug/L

Station Location	KD-1			KD-6			EQ-D1			EQ-T1			FB-1		
Sample I.D.	YQ169 D1			YQ170 D1			YQ171 EB			YQ172 EB			YQ175 FB		
Date of Collection	04/11/94			04/11/94			04/13/94			04/13/94			04/12/94		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			10 U			10 U			10 U			10 U		
Bromomethane	10 U			10 U			10 U			10 U			10 U		
Vinyl chloride	10 U			10 U			10 U			10 U			10 U		
Chloroethane	10 U			10 U			10 U			10 U			10 U		
Methylene chloride	10 U	J	B	10 U	J	B	10 U			10 U			13		B
Acetone	10 U	J	CD	10 U	J	CD	27		B	25		B	10 U	J	CD
Carbon disulfide	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethene	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloroethene (total)	10 U			10 U			10 U			10 U			10 U		
Chloroform	10 U			10 U			11		B	15		B	19		B
1,2-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
2-Butanone	10 U			10 U			10 U			10 U			10 U		
1,1,1-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Carbon tetrachloride	10 U			10 U			10 U			10 U			10 U		
Bromodichloromethane	2 L	J	A	2 L	J	A	10 U			10 U			10 U		
1,2-Dichloropropane	10 U			10 U			10 U			10 U			10 U		
cis-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Trichloroethene	10 U			10 U			10 U			10 U			10 U		
Dibromochloromethane	10 U			10 U			10 U			10 U			10 U		
1,1,2-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Benzene	10 U			10 U			10 U			10 U			10 U		
trans-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Bromoform	10 U			10 U			10 U			10 U			10 U		
4-Methyl-2-pentanone	10 U			10 U			10 U			10 U			10 U		
2-Hexanone	10 U			10 U			10 U			10 U			10 U		
Tetrachloroethene	10 U			10 U			10 U			10 U			10 U		
1,1,2,2-Tetrachloroethane	10 U			10 U			10 U			10 U			10 U		
Toluene	10 U			10 U			10 U			10 U			10 U		
Chlorobenzene	10 U			10 U			10 U			10 U			10 U		
Ethylbenzene	10 U			10 U			10 U			10 U			10 U		
Styrene	10 U			10 U			10 U			10 U			10 U		
Xylenes (Total)	10 U			10 U			10 U			10 U			10 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

Case No.: 21879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Water Samples for RAS Volatiles

Concentration in ug/L

Station Location	CS-1U			EQ-P1			EQ-V1			TB-2			TLU-1		
Sample I.D.	YQ178			YQ179 EB			YQ180 EB			YQ182 TB			YQ188 D4		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/14/94		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U	J	D	10 U			10 U			10 U			10 U		
Bromomethane	10 U			10 U			10 U			10 U			10 U		
Vinyl chloride	10 U	J	D	10 U			10 U			10 U			10 U		
Chloroethane	10 U			10 U			10 U			10 U			10 U	J	D
Methylene chloride	10 U	J	B	12		B	12		B	14		B	10 U		
Acetone	10 U	J	CD	23	J	BCD	26	J	BCD	24	J	BCD	10 U	J	CD
Carbon disulfide	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethene	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloroethene (total)	10 U			10 U			10 U			10 U			10 U		
Chloroform	10 U			16		B	15		B	20		B	10 U		
1,2-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
2-Butanone	10 U			10 U			10 U			10 U			10 U	J	D
1,1,1-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Carbon tetrachloride	10 U			10 U			10 U			10 U			10 U		
Bromodichloromethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloropropane	10 U			10 U			10 U			10 U			10 U		
cis-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Trichloroethene	10 U			10 U			10 U			10 U			10 U		
Dibromochloromethane	10 U			10 U			10 U			10 U			10 U		
1,1,2-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Benzene	10 U			10 U			10 U			10 U			10 U		
trans-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Bromoform	10 U			10 U			10 U			10 U			10 U		
4-Methyl-2-pentanone	10 U			10 U			10 U			10 U			10 U	J	D
2-Hexanone	10 U			10 U			10 U			10 U			10 U	J	D
Tetrachloroethene	10 U			10 U			10 U			10 U			10 U		
1,1,2,2-Tetrachloroethane	10 U			10 U			10 U			10 U			10 U		
Toluene	10 U			10 U			10 U			10 U			10 U		
Chlorobenzene	10 U			10 U			10 U			10 U			10 U		
Ethylbenzene	10 U			10 U			10 U			10 U			10 U		
Styrene	10 U			10 U			10 U			10 U			10 U		
Xylenes (Total)	10 U			10 U			10 U			10 U			10 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS

TABLE 1A

Case No.: 21879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Water Samples for RAS Volatiles

Concentration in ug/L

Station Location	TLU-7			TB-4			TB-3			Method Blank			Method Blank		
Sample I.D.	YQ189 D4			YQ194 TB			YQ195 TB			VBLK2			VBLK3		
Date of Collection	04/14/94			04/14/94			04/13/94								
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			10 U			10 U			10 U			10 U	J	D
Bromomethane	10 U			10 U			10 U			10 U			10 U		
Vinyl chloride	10 U			10 U			10 U			10 U			10 U	J	D
Chloroethane	10 U	J	D	10 U			10 U			10 U			10 U		
Methylene chloride	10 U			10 U			10 U			10 U			10 U		
Acetone	10 U	J	CD	33		B	18		B	10 U	J	CD	10 U	J	CD
Carbon disulfide	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethene	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloroethene (total)	10 U			10 U			10 U			10 U			10 U		
Chloroform	10 U			20		B	19		B	10 U			10 U		
1,2-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
2-Butanone	10 U	J	D	10 U			10 U			10 U			10 U		
1,1,1-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Carbon tetrachloride	10 U			10 U			10 U			10 U			10 U		
Bromodichloromethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloropropane	10 U			10 U			10 U			10 U			10 U		
cis-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Trichloroethene	10 U			10 U			10 U			10 U			10 U		
Dibromochloromethane	10 U			10 U			10 U			10 U			10 U		
1,1,2-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Benzene	10 U			10 U			10 U			10 U			10 U		
trans-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Bromoform	10 U			10 U			10 U			10 U			10 U		
4-Methyl-2-pentanone	10 U	J	D	10 U			10 U			10 U			10 U		
2-Hexanone	10 U	J	D	10 U			10 U			10 U			10 U		
Tetrachloroethene	10 U			10 U			10 U			10 U			10 U		
1,1,2,2-Tetrachloroethane	10 U			10 U			10 U			10 U			10 U		
Toluene	10 U			10 U			10 U			10 U			10 U		
Chlorobenzene	10 U			10 U			10 U			10 U			10 U		
Ethylbenzene	10 U			10 U			10 U			10 U			10 U		
Styrene	10 U			10 U			10 U			10 U			10 U		
Xylenes (Total)	10 U			10 U			10 U			10 U			10 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

Case No.: 21879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Water Samples for RAS Volatiles

Concentration in ug/L

Sample I.D.	Method Blank VBLK4			Method Blank VBLK5			CRQL								
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			10 U			10								
Bromomethane	10 U			10 U			10								
Vinyl chloride	10 U			10 U			10								
Chloroethane	10 U			10 U	J	D	10								
Methylene chloride	10 U			10 U			10								
Acetone	13		B	10 U	J	CD	10								
Carbon disulfide	10 U			10 U			10								
1,1-Dichloroethene	10 U			10 U			10								
1,1-Dichloroethane	10 U			10 U			10								
1,2-Dichloroethene (total)	10 U			10 U			10								
Chloroform	10 U			10 U			10								
1,2-Dichloroethane	10 U			10 U			10								
2-Butanone	10 U			10 U	J	D	10								
1,1,1-Trichloroethane	10 U			10 U			10								
Carbon tetrachloride	10 U			10 U			10								
Bromodichloromethane	10 U			10 U			10								
1,2-Dichloropropane	10 U			10 U			10								
cis-1,3-Dichloropropene	10 U			10 U			10								
Trichloroethene	10 U			10 U			10								
Dibromochloromethane	10 U			10 U			10								
1,1,2-Trichloroethane	10 U			10 U			10								
Benzene	10 U			10 U			10								
trans-1,3-Dichloropropene	10 U			10 U			10								
Bromoform	10 U			10 U			10								
4-Methyl-2-pentanone	10 U			10 U	J	D	10								
2-Hexanone	10 U			10 U	J	D	10								
Tetrachloroethene	10 U			10 U			10								
1,1,2,2-Tetrachloroethane	10 U			10 U			10								
Toluene	10 U			10 U			10								
Chlorobenzene	10 U			10 U			10								
Ethylbenzene	10 U			10 U			10								
Styrene	10 U			10 U			10								
Xylenes (Total)	10 U			10 U			10								

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS

TABLE 1A

Case No.: 21879 Memo #08

Site: Montrose

Lab.: Southwest Laboratory of Oklahoma (SWOK)

Reviewer: Margaret L. May, ESAT/ICF Kaiser

Date: June 17, 1994

Analysis Type: Low Level Water Samples for RAS Volatiles

Concentration in ug/L

Station Location	EQ-D4			EQ-T4			TB-5			EQ-V4			Method Blank		
Sample I.D.	YQ192 EB			YQ193 EB			YQ196 TB			YQ197 EB			VBLK1		
Date of Collection	04/15/94			04/15/94			04/15/94			04/15/94					
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			10 U			10 U			10 U			10 U		
Bromomethane	10 U			10 U			10 U			10 U			10 U		
Vinyl chloride	10 U			10 U			10 U			10 U			10 U		
Chloroethane	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D
Methylene chloride	10 U			10 U			10 U			10 U			10 U		
Acetone	37	J	BCD	10 U	J	CD	22	J	BCD	10 U	J	CD	10 U	J	CD
Carbon disulfide	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethene	10 U			10 U			10 U			10 U			10 U		
1,1-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloroethene (total)	10 U			10 U			10 U			10 U			10 U		
Chloroform	14			11			18			13			10 U		
1,2-Dichloroethane	10 U			10 U			10 U			10 U			10 U		
2-Butanone	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D
1,1,1-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Carbon tetrachloride	10 U			10 U			10 U			10 U			10 U		
Bromodichloromethane	10 U			10 U			10 U			10 U			10 U		
1,2-Dichloropropane	10 U			10 U			10 U			10 U			10 U		
cis-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Trichloroethene	10 U			10 U			10 U			10 U			10 U		
Dibromochloromethane	10 U			10 U			10 U			10 U			10 U		
1,1,2-Trichloroethane	10 U			10 U			10 U			10 U			10 U		
Benzene	10 U			10 U			10 U			10 U			10 U		
trans-1,3-Dichloropropene	10 U			10 U			10 U			10 U			10 U		
Bromoform	10 U			10 U			10 U			10 U			10 U		
4-Methyl-2-pentanone	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D
2-Hexanone	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D
Tetrachloroethene	10 U			10 U			10 U			10 U			10 U		
1,1,2,2-Tetrachloroethane	10 U			10 U			10 U			10 U			10 U		
Toluene	10 U			10 U			10 U			10 U			10 U		
Chlorobenzene	10 U			10 U			10 U			10 U			10 U		
Ethylbenzene	10 U			10 U			10 U			10 U			10 U		
Styrene	10 U			10 U			10 U			10 U			10 U		
Xylenes (Total)	10 U			10 U			10 U			10 U			10 U		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi

NA-Not Analyzed

BG-Background Sample

N/A-Not Applicable

TABLE 1A

Case No.: 21879 Memo #08
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Level Water Samples for RAS Volatiles

Concentration in ug/L

Sample I.D.	Method Blank VBLK3			CRQL											
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U	J	D	10											
Bromomethane	10 U			10											
Vinyl chloride	10 U	J	D	10											
Chloroethane	10 U			10											
Methylene chloride	10 U			10											
Acetone	10 U	J	D	10											
Carbon disulfide	10 U			10											
1,1-Dichloroethene	10 U			10											
1,1-Dichloroethane	10 U			10											
1,2-Dichloroethene (total)	10 U			10											
Chloroform	10 U			10											
1,2-Dichloroethane	10 U			10											
2-Butanone	10 U	J	D	10											
1,1,1-Trichloroethane	10 U			10											
Carbon tetrachloride	10 U			10											
Bromodichloromethane	10 U			10											
1,2-Dichloropropane	10 U			10											
cis-1,3-Dichloropropene	10 U			10											
Trichloroethene	10 U			10											
Dibromochloromethane	10 U			10											
1,1,2-Trichloroethane	10 U			10											
Benzene	10 U			10											
trans-1,3-Dichloropropene	10 U			10											
Bromoform	10 U			10											
4-Methyl-2-pentanone	10 U			10											
2-Hexanone	10 U			10											
Tetrachloroethene	10 U			10											
1,1,2,2-Tetrachloroethane	10 U			10											
Toluene	10 U			10											
Chlorobenzene	10 U			10											
Ethylbenzene	10 U			10											
Styrene	10 U			10											
Xylenes (Total)	10 U			10											

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

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Case No.: _879 Memo #05 TABLE

Site: Montrose

Lab.: Southwest Laboratory of Oklahoma (SWOK) Analysis Type: Low Level Water Samples for RAS Semivolatiles

Reviewer: Adriane Scheele, ESAT/ICF Kaiser

Date: June 21, 1994 Concentration in ug/L

Station Location	KD-1			KD-6			EQ-D1			EQ-T1			FB-1			CS-1U			EQ-P1		
Sample I.D.	YQ169 D1			YQ170 D1			YQ171 EB			YQ172 EB			YQ175 FB			YQ178 D2			YQ179 EB		
Date of Collection	04/11/94			04/11/94			04/13/94			04/13/94			04/12/94			04/12/94			04/12/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
bis(2-Chloroethyl)ether	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Chlorophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,3-Dichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,4-Dichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U		F	10 U		
1,2-Dichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Methylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,2'-oxybis(1-Chloropropane)	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Methylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
N-Nitroso-di-n-propylamine	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachloroethane	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Nitrobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Isophorone	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Nitrophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dimethylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
bis(2-Chloroethoxy)methane	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dichlorophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,2,4-Trichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U		F	10 U		
Naphthalene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Chloroaniline	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachlorobutadiene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Chloro-3-methylphenol	10 U			10 U			10 U			10 U			10 U			10 U		F	10 U		
2-Methylnaphthalene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachlorocyclopentadiene	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D
2,4,6-Trichlorophenol	10 U			10 U			10 U	J	D	10 U	J	D	10 U			10 U			10 U		
2,4,5-Trichlorophenol	25 U			25 U			25 U	J	D	25 U	J	D	25 U			25 U			25 U		
2-Chloronaphthalene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Nitroaniline	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
Dimethylphthalate	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Acenaphthylene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,6-Dinitrotoluene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
3-Nitroaniline	25 U			25 U			25 U			25 U			25 U			25 U			25 U		

Low Level Water Semi-VOAs

Station Location	KD-1			KD-6			EQ-D1			EQ-T1			FB-1			CS-1U			EQ-P1		
Sample I.D.	YQ169 D1			YQ170 D1			YQ171 EB			YQ172 EB			YQ175 FB			YQ178 D2			YQ179 EB		
Date of Collection	04/11/94			04/11/94			04/13/94			04/13/94			04/12/94			04/12/94			04/12/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Acenaphthene	10 U			10 U			10 U			10 U			10 U			10 U		F	10 U		
2,4-Dinitrophenol	25 U			25 U			25 U			25 U			25 U			25 U	J	D	25 U		
4-Nitrophenol	25 U			25 U			25 U			25 U			25 U			25 U		F	25 U		
Dibenzofuran	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dinitrotoluene	10 U			10 U			10 U			10 U			10 U			10 U		F	10 U		
Diethylphthalate	10 U			10 U			10 U			10 U			10 U			0.6 L	J	AH	10 U		
4-Chlorophenyl-phenyl ether	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Fluorene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Nitroaniline	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
4,6-Dinitro-2-methylphenol	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
N-Nitrosodiphenylamine	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Bromophenyl-phenyl ether	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Pentachlorophenol	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
Phenanthrene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Anthracene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Carbazole	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Di-n-butylphthalate	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Fluoranthene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Pyrene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Butylbenzylphthalate	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
3,3'-Dichlorobenzidine	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Benzo(a)anthracene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Chrysene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
bis(2-Ethylhexyl)phthalate	10 U			10 U			8 L	J	AB	1 L	J	AB	10 U			10 U	J	B	10 U		
Di-n-octylphthalate	10 U			10 U	J	E	10 U			10 U			10 U			10 U	J	D	10 U		
Benzo(b)fluoranthene	10 U			10 U	J	E	10 U			10 U			10 U			10 U			10 U		
Benzo(k)fluoranthene	10 U			10 U	J	E	10 U			10 U			10 U			10 U			10 U		
Benzo(a)pyrene	10 U			10 U	J	E	10 U			10 U			10 U			10 U			10 U		
Indeno(1,2,3-cd)pyrene	10 U			10 U	J	E	10 U			10 U			10 U			10 U			10 U		
Dibenz(a,h)anthracene	10 U			10 U	J	E	10 U			10 U			10 U			10 U			10 U		
Benzo(g,h,i)perylene	10 U			10 U	J	E	10 U			10 U			10 U			10 U			10 U		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

ANALYTICAL RESULTS
TABLE ...

Case No.: ...879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Water Samples for RAS Semivolatiles

Concentration in ug/L

Station Location	EQ-V1			EQ-PF1			CS-1F			CS-6U			TLU-1			TLU-7			Method Blank		
Sample I.D.	YQ180 EB			YQ181 EB			YQ183			YQ187 D2			YQ188 D4			YQ189 D4			SBLK1		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/14/94			04/14/94					
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
bis(2-Chloroethyl)ether	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Chlorophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,3-Dichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,4-Dichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,2-Dichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Methylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,2'-oxybis(1-Chloropropane)	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Methylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
N-Nitroso-di-n-propylamine	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachloroethane	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Nitrobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Isophorone	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Nitrophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dimethylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
bis(2-Chloroethoxy)methane	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dichlorophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
1,2,4-Trichlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Naphthalene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Chloroaniline	10 U			10 U			10 U			10 U			10 U	J	D	10 U	J	D	10 U		
Hexachlorobutadiene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Chloro-3-methylphenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Methylnaphthalene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachlorocyclopentadiene	10 U			10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D
2,4,6-Trichlorophenol	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4,5-Trichlorophenol	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
2-Chloronaphthalene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2-Nitroaniline	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
Dimethylphthalate	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Acenaphthylene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,6-Dinitrotoluene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
3-Nitroaniline	25 U			25 U			25 U			25 U			25 U			25 U			25 U		

Station Location	EQ-V1			EQ-PF1			CS-1F			CS-6U			TLU-1			TLU-7			Method Blank		
Sample I.D.	YQ180 EB			YQ181 EB			YQ183			YQ187 D2			YQ188 D4			YQ189 D4			SBLK1		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/14/94			04/14/94					
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Acenaphthene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dinitrophenol	25 U	J	D	25 U			25 U	J	D	25 U	J	D	25 U	J	D	25 U	J	D	25 U	J	D
4-Nitrophenol	25 U			25 U			25 U			25 U			25 U			25 U			25 U	J	D
Dibenzofuran	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
2,4-Dinitrotoluene	10 U			10 U			10 U			10 U			10 U	J	D	10 U	J	D	10 U		
Diethylphthalate	10 U			10 U			1 L	J	AH	1 L	J	AH	10 U			10 U			10 U		
4-Chlorophenyl-phenyl ether	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Fluorene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Nitroaniline	25 U			25 U			25 U			25 U			25 U			25 U			25 U		
4,6-Dinitro-2-methylphenol	25 U	J	D	25 U			25 U			25 U			25 U	J	D	25 U	J	D	25 U	J	D
N-Nitrosodiphenylamine	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
4-Bromophenyl-phenyl ether	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Hexachlorobenzene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Pentachlorophenol	25 U			25 U			25 U			25 U			25 U			25 U			25 U	J	D
Phenanthrene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Anthracene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Carbazole	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Di-n-butylphthalate	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Fluoranthene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Pyrene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Butylbenzylphthalate	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
3,3'-Dichlorobenzidine	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Benzo(a)anthracene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Chrysene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
bis(2-Ethylhexyl)phthalate	10 U			10 U			10 U	J	B	10 U	J	B	10 U			10 U	J	B	10 U		
Di-n-octylphthalate	10 U			10 U			10 U	J	D	10 U	J	D	10 U	J	D	10 U	J	D	10 U		
Benzo(b)fluoranthene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Benzo(k)fluoranthene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Benzo(a)pyrene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Indeno(1,2,3-cd)pyrene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Dibenz(a,h)anthracene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		
Benzo(g,h,i)perylene	10 U			10 U			10 U			10 U			10 U			10 U			10 U		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

TABLE

Case No.: .879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Water Samples for RAS Semivolatiles

Concentration in ug/L

Sample I.D.	Method Blank SBLK4			Method Blank SBLK5			Method Blank SBLK7			CRQL											
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Phenol	10 U			10 U			10 U			10											
bis(2-Chloroethyl)ether	10 U			10 U			10 U			10											
2-Chlorophenol	10 U			10 U			10 U			10											
1,3-Dichlorobenzene	10 U			10 U			10 U			10											
1,4-Dichlorobenzene	10 U			10 U			10 U			10											
1,2-Dichlorobenzene	10 U			10 U			10 U			10											
2-Methylphenol	10 U			10 U			10 U			10											
2,2'-oxybis(1-Chloropropane)	10 U			10 U			10 U			10											
4-Methylphenol	10 U			10 U			10 U			10											
N-Nitroso-di-n-propylamine	10 U			10 U			10 U			10											
Hexachloroethane	10 U			10 U			10 U			10											
Nitrobenzene	10 U			10 U			10 U			10											
Isophorone	10 U			10 U			10 U			10											
2-Nitrophenol	10 U			10 U			10 U			10											
2,4-Dimethylphenol	10 U			10 U			10 U			10											
bis(2-Chloroethoxy)methane	10 U			10 U			10 U			10											
2,4-Dichlorophenol	10 U			10 U			10 U			10											
1,2,4-Trichlorobenzene	10 U			10 U			10 U			10											
Naphthalene	10 U			10 U			10 U			10											
4-Chloroaniline	10 U			10 U			10 U			10											
Hexachlorobutadiene	10 U			10 U			10 U			10											
4-Chloro-3-methylphenol	10 U			10 U			10 U			10											
2-Methylnaphthalene	10 U			10 U			10 U			10											
Hexachlorocyclopentadiene	10 U	J	D	10 U			10 U	J	D	10											
2,4,6-Trichlorophenol	10 U			10 U			10 U	J	D	10											
2,4,5-Trichlorophenol	25 U			25 U			25 U	J	D	25											
2-Chloronaphthalene	10 U			10 U			10 U			10											
2-Nitroaniline	25 U			25 U			25 U			25											
Dimethylphthalate	10 U			10 U			10 U			10											
Acenaphthylene	10 U			10 U			10 U			10											
2,6-Dinitrotoluene	10 U			10 U			10 U			10											
3-Nitroaniline	25 U			25 U			25 U			25											

Station Location	Method Blank			Method Blank			Method Blank			CRQL											
Sample I.D.	SBLK4			SBLK5			SBLK7														
Date of Collection																					
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Acenaphthene	10 U			10 U			10 U			10											
2,4-Dinitrophenol	25 U	J	D	25 U	J	D	25 U			25											
4-Nitrophenol	25 U			25 U			25 U			25											
Dibenzofuran	10 U			10 U			10 U			10											
2,4-Dinitrotoluene	10 U			10 U			10 U			10											
Diethylphthalate	10 U			10 U			10 U			10											
4-Chlorophenyl-phenyl ether	10 U			10 U			10 U			10											
Fluorene	10 U			10 U			10 U			10											
4-Nitroaniline	25 U			25 U			25 U			25											
4,6-Dinitro-2-methylphenol	25 U			25 U	J	D	25 U			25											
N-Nitrosodiphenylamine	10 U			10 U			10 U			10											
4-Bromophenyl-phenyl ether	10 U			10 U			10 U			10											
Hexachlorobenzene	10 U			10 U			10 U			10											
Pentachlorophenol	25 U			25 U			25 U			25											
Phenanthrene	10 U			10 U			10 U			10											
Anthracene	10 U			10 U			10 U			10											
Carbazole	10 U			10 U			10 U			10											
Di-n-butylphthalate	10 U			10 U			10 U			10											
Fluoranthene	10 U			10 U			10 U			10											
Pyrene	10 U			10 U			10 U			10											
Butylbenzylphthalate	10 U			10 U			10 U			10											
3,3'-Dichlorobenzidine	10 U			10 U			10 U			10											
Benzo(a)anthracene	10 U			10 U			10 U			10											
Chrysene	10 U			10 U			10 U			10											
bis(2-Ethylhexyl)phthalate	1 L	J	AB	10 U			3 L	J	AB	10											
Di-n-octylphthalate	10 U	J	D	10 U			10 U			10											
Benzo(b)fluoranthene	10 U			10 U			10 U			10											
Benzo(k)fluoranthene	10 U			10 U			10 U			10											
Benzo(a)pyrene	10 U			10 U			10 U			10											
Indeno(1,2,3-cd)pyrene	10 U			10 U			10 U			10											
Dibenz(a,h)anthracene	10 U			10 U			10 U			10											
Benzo(g,h,i)perylene	10 U			10 U			10 U			10											

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

Case No.: 21879 Memo #08
TABLE 1A
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Analysis Type: Low Level Water Samples for RAS Semivolatiles
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: June 17, 1994
Concentration in ug/L

Station Location	EQ-D4			EQ-T4			Method Blank			Method Blank			CRQL								
Sample I.D.	YQ192 EB			YQ193 EB			SBLK1			SBLK3											
Date of Collection	04/15/94			04/15/94																	
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	10 U			10 U			10 U			10 U			10								
bis(2-Chloroethyl)ether	10 U			10 U			10 U			10 U			10								
2-Chlorophenol	10 U			10 U			10 U			10 U			10								
1,3-Dichlorobenzene	10 U			10 U			10 U			10 U			10								
1,4-Dichlorobenzene	10 U			10 U			10 U			10 U			10								
1,2-Dichlorobenzene	10 U			10 U			10 U			10 U			10								
2-Methylphenol	10 U			10 U			10 U			10 U			10								
2,2'-oxybis(1-Chloropropane)	10 U			10 U			10 U			10 U			10								
4-Methylphenol	10 U			10 U			10 U			10 U			10								
N-Nitroso-di-n-propylamine	10 U			10 U			10 U			10 U			10								
Hexachloroethane	10 U			10 U			10 U			10 U			10								
Nitrobenzene	10 U			10 U			10 U			10 U			10								
Isophorone	10 U			10 U			10 U			10 U			10								
2-Nitrophenol	10 U			10 U			10 U			10 U			10								
2,4-Dimethylphenol	10 U	J	D	10 U			10 U			10 U	J	D	10								
bis(2-Chloroethoxy)methane	10 U			10 U			10 U			10 U			10								
2,4-Dichlorophenol	10 U			10 U			10 U			10 U			10								
1,2,4-Trichlorobenzene	10 U			10 U			10 U			10 U			10								
Naphthalene	10 U			10 U			10 U			10 U			10								
4-Chloroaniline	10 U	J	D	10 U	J	D	10 U			10 U	J	D	10								
Hexachlorobutadiene	10 U			10 U			10 U			10 U			10								
4-Chloro-3-methylphenol	10 U			10 U			10 U			10 U			10								
2-Methylnaphthalene	10 U			10 U			10 U			10 U			10								
Hexachlorocyclopentadiene	10 U	J	CD	10 U	J	D	10 U			10 U	J	CD	10								
2,4,6-Trichlorophenol	10 U			10 U			10 U			10 U			10								
2,4,5-Trichlorophenol	25 U			25 U			25 U			25 U			25								
2-Chloronaphthalene	10 U			10 U			10 U			10 U			10								
2-Nitroaniline	25 U			25 U			25 U			25 U			25								
Dimethylphthalate	10 U			10 U			10 U			10 U			10								
Acenaphthylene	10 U			10 U			10 U			10 U			10								
2,6-Dinitrotoluene	10 U			10 U			10 U			10 U			10								
3-Nitroaniline	25 U			25 U			25 U			25 U			25								

Station Location	EQ-D4			EQ-T4			Method Blank			Method Blank			CRQL								
Sample I.D.	YQ192 EB			YQ193 EB			SBLK1			SBLK3											
Date of Collection	04/15/94			04/15/94																	
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Acenaphthene	10 U			10 U			10 U			10 U			10								
2,4-Dinitrophenol	25 U	J	D	25 U	J	D	25 U	J	D	25 U	J	D	25								
4-Nitrophenol	25 U			25 U			25 U			25 U			25								
Dibenzofuran	10 U			10 U			10 U			10 U			10								
2,4-Dinitrotoluene	10 U			10 U	J	D	10 U			10 U			10								
Diethylphthalate	10 U			10 U			10 U			10 U			10								
4-Chlorophenyl-phenylether	10 U			10 U			10 U			10 U			10								
Fluorene	10 U			10 U			10 U			10 U			10								
4-Nitroaniline	25 U			25 U			25 U			25 U			25								
4,6-Dinitro-2-methylphenol	25 U			25 U	J	D	25 U	J	D	25 U			25								
N-Nitrosodiphenylamine	10 U			10 U			10 U			10 U			10								
4-Bromophenyl-phenylether	10 U			10 U			10 U			10 U			10								
Hexachlorobenzene	10 U			10 U			10 U			10 U			10								
Pentachlorophenol	25 U			25 U			25 U			25 U			25								
Phenanthrene	10 U			10 U			10 U			10 U			10								
Anthracene	10 U			10 U			10 U			10 U			10								
Carbazole	10 U			10 U			10 U			10 U			10								
Di-n-butylphthalate	10 U			10 U			10 U			10 U			10								
Fluoranthene	10 U			10 U			10 U			10 U			10								
Pyrene	10 U			10 U			10 U			10 U			10								
Butylbenzylphthalate	10 U			10 U			10 U			10 U			10								
3,3'-Dichlorobenzidine	10 U			10 U			10 U			10 U			10								
Benzo(a)anthracene	10 U			10 U			10 U			10 U			10								
Chrysene	10 U			10 U			10 U			10 U			10								
bis(2-Ethylhexyl)phthalate	10 U			10 U			10 U			10 U			10								
Di-n-octylphthalate	10 U			10 U	J	D	10 U			10 U			10								
Benzo(b)fluoranthene	10 U			10 U			10 U			10 U			10								
Benzo(k)fluoranthene	10 U			10 U			10 U			10 U			10								
Benzo(a)pyrene	10 U			10 U			10 U			10 U			10								
Indeno(1,2,3-cd)pyrene	10 U			10 U			10 U			10 U			10								
Dibenz(a,h)anthracene	10 U			10 U			10 U			10 U			10								
Benzo(g,h,i)perylene	10 U			10 U			10 U			10 U			10								

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

Case No.: R94S12 Memo #03
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: July 5, 1994

TABLE 1A

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	EQ-D1			EQ-T1			CS-1F			DC1-1			DC1-2			DC1-3			DC2-1		
Sample I.D.	SYA927 EB			SYA928 EB			SYA951 D1			SYA963			SYA964			SYA965			SYA968		
Date of Collection	4/13/94			4/13/94			4/12/94			4/13/94			4/13/94			4/13/94			4/14/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U		B	0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	AB	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDE	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDE	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endrin	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endosulfan II	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDD	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDD	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endosulfan sulfate	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDT	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	AB	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDT	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	AB	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Methoxychlor	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A
Endrin ketone	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endrin aldehyde	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
alpha-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
gamma-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
Toxaphene	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1248	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1254	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1260	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #03
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	DC2-6			EQ-V2			TLL-1			TLL-2			TLL-3			TLL-4			TLL-5		
Sample I.D.	SYA973 D2			SYA974 EB			SYA993			SYA994			SYA995			SYA996			SYA997		
Date of Collection	4/14/94			4/13/94			4/13/94			4/13/94			4/13/94			4/13/94			4/13/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U	J	A
Dieldrin	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDE	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDE	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endrin	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endosulfan II	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDD	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDD	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endosulfan sulfate	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDT	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDT	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Methoxychlor	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A
Endrin ketone	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endrin aldehyde	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
alpha-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
gamma-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
Toxaphene	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U	J	A	1 U	J	A
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U	J	A	2 U	J	A
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U	J	A	1 U	J	A
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U	J	A	1 U	J	A
Aroclor-1248	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1254	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1260	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

[redacted] ANALYT[redacted] RES[redacted] Pa[redacted] of [redacted]

Case No.: R94S12 Memo #03

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Mary Hart, ESAT/ICF Kaiser

Date: July 5, 1994

TABLE 1A

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	EQ-D3			EQ-T3			TLL-6			TLL-7			TLL-8			TLL-9			Method Blank		
Sample I.D.	SYA998			SYA999 EB			SYB043			SYB044			SYB045			SYB046			PBLK1		
Date of Collection	4/13/94			4/13/94			4/13/94			4/13/94			4/13/94			4/13/94					
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U	J	A	0.05 U		
Dieldrin	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDE	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDE	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endrin	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endosulfan II	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDD	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDD	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endosulfan sulfate	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
4,4'-DDT	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
2,4'-DDT	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Methoxychlor	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A	0.5 U	J	A
Endrin ketone	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
Endrin aldehyde	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A	0.1 U	J	A
alpha-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
gamma-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
Toxaphene	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U	J	A	1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U	J	A	2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U	J	A	1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U	J	A	1 U		
Aroclor-1248	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1254	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1260	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #03
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Sample I.D.	Method Blank PBLK2			CRQL																	
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05																	
beta-BHC	0.05 U			0.05																	
delta-BHC	0.05 U			0.05																	
gamma-BHC (Lindane)	0.05 U			0.05																	
Heptachlor	0.05 U			0.05																	
Aldrin	0.05 U			0.05																	
Heptachlor epoxide	0.05 U			0.05																	
Endosulfan I	0.05 U			0.05																	
Dieldrin	0.1 U	J	A	0.1 U																	
4,4'-DDE	0.1 U	J	A	0.1 U																	
2,4'-DDE	0.1 U	J	A	0.1 U																	
Endrin	0.1 U	J	A	0.1 U																	
Endosulfan II	0.1 U	J	A	0.1 U																	
4,4'-DDD	0.1 U	J	A	0.1 U																	
2,4'-DDD	0.1 U	J	A	0.1 U																	
Endosulfan sulfate	0.1 U	J	A	0.1 U																	
4,4'-DDT	0.1 U	J	A	0.1 U																	
2,4'-DDT	0.1 U	J	A	0.1 U																	
Methoxychlor	0.5 U	J	A	0.5 U																	
Endrin ketone	0.1 U	J	A	0.1 U																	
Endrin aldehyde	0.1 U	J	A	0.1 U																	
alpha-Chlordane	0.05 U	J	A	0.05 U																	
gamma-Chlordane	0.05 U	J	A	0.05 U																	
Toxaphene	5 U	J	A	5 U																	
Aroclor-1016	1 U			1 U																	
Aroclor-1221	2 U			2 U																	
Aroclor-1232	1 U			1 U																	
Aroclor-1242	1 U			1 U																	
Aroclor-1248	1 U	J	A	1 U																	
Aroclor-1254	1 U	J	A	1 U																	
Aroclor-1260	1 U	J	A	1 U																	

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] TIC[redacted] SUL[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Pag[redacted] of [redacted] [redacted]

Case No.: 94S12 Memo #04 TABLE ...

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Mary Hart, ESAT/ICF Kaiser

Date: July 7, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	KD-1			KD-2			KD-3			KD-6			FB-1			EQ-T2			CS-1U		
Sample I.D.	SYA921 D1			SYA922			SYA923			SYA926 D1			SYA935 FB			SYA942 EB			SYA943 D2		
Date of Collection	04/11/94			04/11/94			04/11/94			04/11/94			04/12/94			04/12/94			04/12/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 L	J	BC	0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 L	NJ	CD	0.08	NJ	D	0.3	J	B	0.04 L	NJ	CD	0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U	J	B	0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U	J	B	0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U	J	B	0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U	J	B	0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U	J	B	0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U	J	B	0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.1 U	J	B	0.1 U	J	B	0.1 U	R	A	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
4,4'-DDE	0.03 L	J	BC	0.07 L	J	C	0.7	J	B	0.02 L	J	BC	0.1 U	J	B	0.1 U			0.1 U	J	B
2,4'-DDE	0.1 U	J	B	0.1 U	J	B	0.1	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
Endrin	0.1 U	J	B	0.1 U	J	B	0.1 U	R	A	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
Endosulfan II	0.1 U	J	B	0.1 U	J	B	0.1 U	R	A	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
2,4'-DDD	0.1 U	J	B	0.1 U	J	B	0.2	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
4,4'-DDD	0.04 L	NJ	CE	0.06 L	NJ	BCDE	0.4	NJ	BDE	0.03 L	NJ	BCDE	0.1 U	J	B	0.1 U			0.1 U	J	B
Endosulfan sulfate	0.1 U	J	B	0.1 U	J	B	0.1 U	R	A	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
2,4'-DDT	0.1 U	J	BE	0.1 U	J	BE	0.3	NJ	BDE	0.1 U	J	BE	0.1 U	J	B	0.1 U			0.1 U	J	B
4,4'-DDT	0.04 L	J	BC	0.1	NJ	BD	0.6	NJ	BD	0.03 L	J	BC	0.1 U	J	B	0.1 U			0.1 U	J	B
Methoxyclor	0.5 U	J	B	0.5 U	J	B	0.5 U	R	A	0.5 U	J	B	0.5 U	J	B	0.5 U			0.5 U	J	B
Endrin ketone	0.1 U	J	B	0.1 U	J	B	0.1 U	R	A	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
Endrin aldehyde	0.1 U	J	B	0.1 U	J	B	0.1 U	R	A	0.1 U	J	B	0.1 U	J	B	0.1 U			0.1 U	J	B
alpha-Chlordane	0.05 U	J	B	0.05 U	J	B	0.05 U	R	A	0.05 U	J	B	0.05 U	J	B	0.05 U			0.05 U	J	B
gamma-Chlordane	0.05 U	J	B	0.05 U	J	B	0.05 U	R	A	0.05 U	J	B	0.05 U	J	B	0.05 U			0.05 U	J	B
Toxaphene	5 U	J	B	5 U	J	B	5 U	R	A	5 U	J	B	5 U	J	B	5 U			5 U	J	B
Aroclor-1016	1 U			1 U			1 U	J	B	1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U	J	B	2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U	J	B	1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U	J	B	1 U			1 U			1 U			1 U		
Aroclor-1248	1 U	J	B	1 U	J	B	1 U	R	A	1 U	J	B	1 U	J	B	1 U			1 U	J	B
Aroclor-1254	1 U	J	B	1 U	J	B	1 U	R	A	1 U	J	B	1 U	J	B	1 U			1 U	J	B
Aroclor-1260	1 U	J	B	1 U	J	B	1 U	R	A	1 U	J	B	1 U	J	B	1 U			1 U	J	B

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE

Case No.: 4S12 Memo #04
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: July 7, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	CS-2U			CS-3U			CS-4U			CS-5U			EQ-P1			EQ-V1			EQ-PF1		
Sample I.D.	SYA944			SYA945			SYA946			SYA947			SYA948 EB			SYA949 EB			SYA950 EB		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
4,4'-DDE	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
2,4'-DDE	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endrin	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endosulfan II	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
2,4'-DDD	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
4,4'-DDD	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endosulfan sulfate	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
2,4'-DDT	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
4,4'-DDT	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Methoxyclor	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B
Endrin ketone	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endrin aldehyde	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
alpha-Chlordane	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B
gamma-Chlordane	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B
Toxaphene	5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1248	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B
Aroclor-1254	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B
Aroclor-1260	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]TIC[redacted]SUL[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Pag[redacted]of [redacted] [redacted]

Case No.: J4S12 Memo #04

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Mary Hart, ESAT/ICF Kaiser

Date: July 7, 1994

TABLE

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	CS-2F			CS-3F			CS-4F			CS-5F			CS-6F			CS-6U			Method Blank		
Sample I.D.	SYA952			SYA953			SYA954			SYA955			SYA956 D3			SYB000 D2			PBLK1		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94					
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
4,4'-DDE	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
2,4'-DDE	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endrin	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endosulfan II	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
2,4'-DDD	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
4,4'-DDD	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endosulfan sulfate	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
2,4'-DDT	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
4,4'-DDT	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Methoxyclor	0.5 U			0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B	0.5 U	J	B
Endrin ketone	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
Endrin aldehyde	0.1 U			0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B	0.1 U	J	B
alpha-Chlordane	0.05 U			0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B
gamma-Chlordane	0.05 U			0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B	0.05 U	J	B
Toxaphene	5 U			5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B	5 U	J	B
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1248	1 U			1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B
Aroclor-1254	1 U			1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B
Aroclor-1260	1 U			1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B	1 U	J	B

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE

Case No.: 34512 Memo #04
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: July 7, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Sample I.D.	Method Blank PBLK2			CRQL																
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05																
beta-BHC	0.05 U			0.05																
delta-BHC	0.05 U			0.05																
gamma-BHC (Lindane)	0.05 U			0.05																
Heptachlor	0.05 U			0.05																
Aldrin	0.05 U			0.05																
Heptachlor epoxide	0.05 U			0.05																
Endosulfan I	0.05 U			0.05																
Dieldrin	0.1 U	J	B	0.1																
4,4'-DDE	0.1 U	J	B	0.1																
2,4'-DDE	0.1 U	J	B	0.1																
Endrin	0.1 U	J	B	0.1																
Endosulfan II	0.1 U	J	B	0.1																
2,4'-DDD	0.1 U	J	B	0.1																
4,4'-DDD	0.1 U	J	B	0.1																
Endosulfan sulfate	0.1 U	J	B	0.1																
2,4'-DDT	0.1 U	J	B	0.1																
4,4'-DDT	0.1 U	J	B	0.1																
Methoxyclor	0.5 U	J	B	0.5																
Endrin ketone	0.1 U	J	B	0.1																
Endrin aldehyde	0.1 U	J	B	0.1																
alpha-Chlordane	0.05 U	J	B	0.05																
gamma-Chlordane	0.05 U	J	B	0.05																
Toxaphene	5 U	J	B	5																
Aroclor-1016	1 U			1																
Aroclor-1221	2 U			2																
Aroclor-1232	1 U			1																
Aroclor-1242	1 U			1																
Aroclor-1248	1 U	J	B	1																
Aroclor-1254	1 U	J	B	1																
Aroclor-1260	1 U	J	B	1																

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #05

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Barbara Gordon, ESAT/ICF Kaiser

Date: July 15, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	TLU-4				TLU-5				TLU-6				EQ-D4				EQ-T4				DC3-3				DC4-2			
Sample I.D.	SYB004				SYB005				SYB006				SYB016 EB				SYB017 EB				SYB020				SYB024			
Date of Collection	4/14/94				4/15/94				4/15/94				4/15/94				4/15/94				4/14/94				4/15/94			
Pesticide/PCBs Compound	Result		Val	Com	Result		Val	Com	Result		Val	Com	Result		Val	Com	Result		Val	Com	Result		Val	Com	Result		Val	Com
alpha-BHC	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
beta-BHC	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
delta-BHC	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
gamma-BHC (Lindane)	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
Heptachlor	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
Aldrin	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
Heptachlor epoxide	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
Endosulfan I	0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U			0.05	U		
Dieldrin	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
2,4'-DDE	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
4,4'-DDE	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
Endrin	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
Endosulfan II	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
2,4'-DDD	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
4,4'-DDD	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
Endosulfan sulfate	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
2,4'-DDT	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
4,4'-DDT	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
Methoxychlor	0.50	U	J	A	0.50	U	J	A	0.50	U	J	A	0.50	U			0.50	U			0.50	U	J	A	0.50	U	J	A
Endrin ketone	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
Endrin aldehyde	0.10	U	J	A	0.10	U	J	A	0.10	U	J	A	0.10	U			0.10	U			0.10	U	J	A	0.10	U	J	A
alpha-Chlordane	0.05	U	J	A	0.05	U	J	A	0.05	U	J	A	0.05	U			0.05	U			0.05	U	J	A	0.05	U	J	A
gamma-Chlordane	0.05	U	J	A	0.05	U	J	A	0.05	U	J	A	0.05	U			0.05	U			0.05	U	J	A	0.05	U	J	A
Toxaphene	5	U	J	A	5	U	J	A	5	U	J	A	5	U			5	U			5	U	J	A	5	U	J	A
Aroclor-1016	1	U			1	U			1	U			1	U			1	U			1	U			1	U		
Aroclor-1221	2	U			2	U			2	U			2	U			2	U			2	U			2	U		
Aroclor-1232	1	U			1	U			1	U			1	U			1	U			1	U			1	U		
Aroclor-1242	1	U			1	U			1	U			1	U			1	U			1	U			1	U		
Aroclor-1248	1	U	J	A	1	U	J	A	1	U	J	A	1	U			1	U			1	U	J	A	1	U	J	A
Aroclor-1254	1	U	J	A	1	U	J	A	1	U	J	A	1	U			1	U			1	U	J	A	1	U	J	A
Aroclor-1260	1	U	J	A	1	U	J	A	1	U	J	A	1	U			1	U			1	U	J	A	1	U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94812 Memo #05

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Barbara Gordon, ESAT/ICF Kaiser

Date: July 15, 1994

Analysis Type: Low Level Surfacewater Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	DC4-3			DC4-4			DC4-5			DC4-6			Method Blank			Method Blank					
Sample I.D.	SYB025			SYB026			SYB027 D1			SYB028 D1			PBLK1			PBLK2			CRQL		
Date of Collection	4/15/94			4/15/94			4/15/94			4/15/94											
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05		
Dieldrin	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
2,4'-DDE	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
4,4'-DDE	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
Endrin	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
Endosulfan II	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
2,4'-DDD	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
4,4'-DDD	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
Endosulfan sulfate	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
2,4'-DDT	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
4,4'-DDT	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
Methoxychlor	0.50 U	J	A	0.50 U			0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U			0.5		
Endrin ketone	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
Endrin aldehyde	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.1		
alpha-Chlordane	0.05 U	J	A	0.05 U			0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U			0.05		
gamma-Chlordane	0.05 U	J	A	0.05 U			0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U			0.05		
Toxaphene	5 U	J	A	5 U			5 U	J	A	5 U	J	A	5 U	J	A	5 U			5		
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1		
Aroclor-1248	1 U	J	A	1 U			1 U	J	A	1 U	J	A	1 U	J	A	1 U			1		
Aroclor-1254	1 U	J	A	1 U			1 U	J	A	1 U	J	A	1 U	J	A	1 U			1		
Aroclor-1260	1 U	J	A	1 U			1 U	J	A	1 U	J	A	1 U	J	A	1 U			1		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94812 Memo #6
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: July 15, 1994

Analysis Type: Low Level Water Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	EQ-V4			DC1-4			DC1-5			DC2-2			DC2-3			DC2-4			DC2-5		
Sample I.D.	SYA938 EB			SYA966			SYA967			SYA969 D1			SYA970			SYA971			SYA972		
Date of Collection	4/15/94			4/13/94			4/13/94			4/14/94			4/14/94			4/14/94			4/14/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
4,4'-DDE	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
2,4'-DDE	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endrin	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endosulfan II	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
2,4'-DDD	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
4,4'-DDD	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endosulfan sulfate	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
2,4'-DDT	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
4,4'-DDT	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Methoxychlor	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A
Endrin ketone	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endrin aldehyde	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
alpha-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
gamma-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
Toxaphene	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1248	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1254	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1260	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R9ASI2 Memo #6
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: July 15, 1994

Analysis Type: Low Level Water Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	EQ-P2			TLU-1			TLU-2			TLU-3			TLU-7			DC3-1			DC3-2		
Sample I.D.	SYA975 EB			SYB001 D2			SYB002			SYB003			SYB007 D2			SYB018			SYB019		
Date of Collection	4/13/94			4/14/94			4/14/94			4/14/94			4/14/94			4/14/94			4/14/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
4,4'-DDE	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
2,4'-DDE	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endrin	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endosulfan II	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
2,4'-DDD	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
4,4'-DDD	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endosulfan sulfate	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
2,4'-DDT	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
4,4'-DDT	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Methoxychlor	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A
Endrin ketone	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
Endrin aldehyde	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A
alpha-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
gamma-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A
Toxaphene	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1248	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1254	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A
Aroclor-1260	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94812 Memo #6

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Frank Arceneaux, ESAT/ICF Kaiser

Date: July 15, 1994

Analysis Type: Low Level Water Samples for SAS Pesticides/PCBs

Concentration in ug/L

Station Location	DC3-4			DC3-5			DC4-1			EQ-P4			EQ-V3			EQ-P3			Method Blank		
Sample I.D.	SYB021			SYB022			SYB023			SYB040 EB			SYB047 EB			SYB048 EB			PBLK1		
Date of Collection	4/14/94			4/14/94			4/14/94			4/15/94			4/14/94			4/14/94					
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
beta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
delta-BHC	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
gamma-BHC (Lindane)	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Aldrin	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Heptachlor epoxide	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Endosulfan I	0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U			0.05 U		
Dieldrin	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
4,4'-DDE	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
2,4'-DDE	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
Endrin	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
Endosulfan II	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
2,4'-DDD	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
4,4'-DDD	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
Endosulfan sulfate	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
2,4'-DDT	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
4,4'-DDT	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
Methoxychlor	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U	J	A	0.50 U			0.50 U	J	A	0.50 U	J	A
Endrin ketone	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
Endrin aldehyde	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U	J	A	0.10 U			0.10 U	J	A	0.10 U	J	A
alpha-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U			0.05 U	J	A	0.05 U	J	A
gamma-Chlordane	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U	J	A	0.05 U			0.05 U	J	A	0.05 U	J	A
Toxaphene	5 U	J	A	5 U	J	A	5 U	J	A	5 U	J	A	5 U			5 U	J	A	5 U	J	A
Aroclor-1016	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1221	2 U			2 U			2 U			2 U			2 U			2 U			2 U		
Aroclor-1232	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1242	1 U			1 U			1 U			1 U			1 U			1 U			1 U		
Aroclor-1248	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U			1 U	J	A	1 U	J	A
Aroclor-1254	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U			1 U	J	A	1 U	J	A
Aroclor-1260	1 U	J	A	1 U	J	A	1 U	J	A	1 U	J	A	1 U			1 U	J	A	1 U	J	A

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #6
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: July 15, 1994

Analysis Type: Low Level Water Samples for SAS Pesticides/PCBs

Concentration in ug/L

Sample I.D.	Method Blank PBLK2			CRQL																
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com		Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	0.05 U			0.05																
beta-BHC	0.05 U			0.05																
delta-BHC	0.05 U			0.05																
gamma-BHC (Lindane)	0.05 U			0.05																
Heptachlor	0.05 U			0.05																
Aldrin	0.05 U			0.05																
Heptachlor epoxide	0.05 U			0.05																
Endosulfan I	0.05 U			0.05																
Dieldrin	0.10 U			0.10																
4,4'-DDE	0.10 U			0.10																
2,4'-DDE	0.10 U			0.10																
Endrin	0.10 U			0.10																
Endosulfan II	0.10 U			0.10																
2,4'-DDD	0.10 U			0.10																
4,4'-DDD	0.10 U			0.10																
Endosulfan sulfate	0.10 U			0.10																
2,4'-DDT	0.10 U			0.10																
4,4'-DDT	0.10 U			0.10																
Methoxychlor	0.50 U			0.50																
Endrin ketone	0.10 U			0.10																
Endrin aldehyde	0.10 U			0.10																
alpha-Chlordane	0.05 U			0.05																
gamma-Chlordane	0.05 U			0.05																
Toxaphene	5 U			5																
Aroclor-1016	1 U			1																
Aroclor-1221	2 U			2																
Aroclor-1232	1 U			1																
Aroclor-1242	1 U			1																
Aroclor-1248	1 U			1																
Aroclor-1254	1 U			1																
Aroclor-1260	1 U			1																

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #01
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 9, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	KD-1			KD-2			KD-3			KD-6			FB-1			EQ-T2			CS-2U		
Sample I.D.	MYN534 D1			MYN535			MYN536			MYN539 D1			MYN548 FB			MYN555 EB			MYN557		
Date of Collection	04/11/94			04/11/94			04/11/94			04/11/94			04/12/94			04/12/94			04/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	189 L	J	A	562		D	9720		D	187 L	J	AD	44.8 L	J	AD	44.2 L	J	AD	79.2 L	J	AD
Antimony	10.8 U			10.8 U		D	10.8 U		D	10.8 U		D	10.8 U	J	D	10.8 U		D	10.8 U	J	D
Arsenic	4.7 L	J	A	3.8 L	J	AD	15.4		D	2.5 L	J	AD	1.5 U	J	D	1.5 U		D	3.7 L	J	AD
Barium	89.5 L	J	A	85.8 L	J	AD	149 L	J	AD	88.2 L	J	AD	3.1 U	J	D	3.1 U		D	9.9 L	J	AD
Beryllium	0.80 U			0.80 U		D	0.80 U		D	0.80 U		D	0.80 U	J	D	0.80 U		D	0.80 U	J	D
Cadmium	1.0 U			1.0 U		D	3.3 L	J	AD	1.0 U		D	1.0 U	J	D	1.0 U		D	1.0 U	J	D
Calcium	60200			59700		D	59900		D	59500		D	130 L	J	AD	122 L	J	AD	310000	J	D
Chromium	4.4 U			5.2 L	J	AD	9.7 L	J	AD	4.4 U		D	4.4 U	J	D	4.4 U		D	4.4 U	J	D
Cobalt	2.3 U			2.3 U		D	8.8 L	J	AD	2.6 L	J	AD	2.3 U	J	D	3.1 L	J	AD	2.3 U	J	D
Copper	11.9 L	J	A	35.7		D	96.4		D	6.7 L	J	AD	3.1 U	J	D	3.1 U		D	11.1 L	J	AD
Iron	365			883		D	10100		D	359		D	29.6 L	J	AD	35.7 L	J	AD	116	J	D
Lead	4.2			20.9		D	59.9		D	3.3		D	1.5 U	J	D	1.5 U		D	1.5 U	J	D
Magnesium	22200			20900		D	14800		D	22000		D	38.2 U	J	D	61.5 L	J	AD	1160000	J	D
Manganese	112			145		D	692		D	110		D	1.3 L	J	AD	1.8 L	J	AD	29.6	J	D
Mercury	0.20 U			0.20 U		D	0.20 U		D	0.20 U		D	0.20 U	J	D	0.20 U		D	0.39	J	DE
Nickel	5.0 L	J	A	10.9 L	J	AD	53.6		D	4.5 U		D	4.5 U	J	D	4.5 U		D	4.5 U	J	D
Potassium	5030			5170		D	25200		D	4730 L	J	AD	103 U	J	D	103 U		D	324000	J	D
Selenium	2.1 U			2.1 U		D	2.1 U		D	2.6 L	J	AD	2.1 U	J	D	2.1 U		D	2.1 U	J	D
Silver	3.0 U	J	C	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	CD
Sodium	82300			76700		D	200000		D	81700		D	233 L	J	AD	208 L	J	AD	9320000	J	D
Thallium	2.2 U			2.2 U		D	2.2 U		D	2.2 U		D	2.2 U	J	D	2.2 U		D	2.2 U	J	D
Vanadium	4.6 L	J	A	4.2 L	J	AD	27.3 L	J	AD	2.6 U		D	2.6 U	J	D	2.6 U		D	4.0 L	J	AD
Zinc	45.1	J	EF	107	J	DEF	521	J	DEF	41.9	J	DEF	57.5	J	DEF	58.6	J	DEF	60.5	J	DEF
Cyanide	10.0 U	J	B	10.0 U	J	B	31.5	J	B	10.0 U	J	B	10.0 U	J	B	10.0 U	J	B	10.0 U	J	B

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #01
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 9, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	CS-3U			CS-4U			CS-5U			EQ-P1			EQ-V1			EQ-PF1			Lab Blank		
Sample I.D.	MYN558			MYN559			MYN560			MYN561 EB			MYN562 EB			MYN563 EB					
Date of Collectio	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	97.6 L	J	AD	56.8 L	J	AD	83.8 L	J	AD	27.0 L	J	AD	29.3 L	J	A	24.7 L	J	AD	31.6 L	J	A
Antimony	10.8 U	J	D	10.8 U		D	10.8 U	J	D	10.8 U		D	10.8 U			10.8 U		D	10.8 U		
Arsenic	1.5 U	J	D	2.0 L	J	AD	3.2 L	J	AD	1.5 U		D	1.5 U			1.5 U		D	1.5 U		
Barium	12.4 L	J	AD	14.9 L	J	AD	13.7 L	J	AD	3.1 U		D	3.1 U			3.1 U		D	3.1 U		
Beryllium	0.80 U	J	D	0.80 U		D	0.80 U	J	D	0.80 U		D	0.80 U			0.80 U		D	0.80 U		
Cadmium	1.0 U	J	D	1.0 U		D	1.0 U	J	D	1.0 U		D	1.0 U			1.0 U		D	1.0 U		
Calcium	313000	J	D	285000		D	288000	J	D	181 L	J	AD	134 L	J	A	106 L	J	AD	34.9 U		
Chromium	4.4 U	J	D	4.4 U		D	4.4 U	J	D	4.4 U		D	4.4 U			4.4 U		D	4.4 U		
Cobalt	2.3 U	J	D	2.3 U		D	2.3 U	J	D	2.3 U		D	2.3 U			2.3 U		D	2.3 U		
Copper	3.9 L	J	AD	10.4 L	J	AD	11.9 L	J	AD	3.1 U		D	3.1 U			3.1 U		D	3.1 U		
Iron	180	J	D	107		D	113	J	D	37.8 L	J	AD	31.8 L	J	A	32.2 L	J	AD	14.6 L	J	A
Lead	1.5 U	J	D	1.5 U		D	1.5 U	J	D	1.5 U		D	1.5 U			1.5 U		D	1.5 U		
Magnesium	1220000	J	D	968000		D	982000	J	D	61.5 L	J	AD	82.0 L	J	A	61.5 L	J	AD	71.7 L	J	A
Manganese	39.6	J	D	27.3		D	24.5	J	D	2.3 L	J	AD	1.8 L	J	A	2.0 L	J	AD	1.3 L	J	A
Mercury	0.63	J	DE	0.20 U		D	0.20 U	J	D	0.20 U		D	1.5		E	0.20 U		D	0.20 U		
Nickel	4.5 U	J	D	4.5 U		D	4.5 U	J	D	4.5 U		D	4.5 U			4.5 U		D	4.5 U		
Potassium	328000	J	D	293000		D	298000	J	D	103 U		D	103 U			103 U		D	103 U		
Selenium	2.1 U	J	D	2.1 L	J	AD	2.1 U	J	D	2.1 U		D	2.1 U			2.1 U		D	2.1 U		
Silver	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	CD	3.0 U	J	C	3.0 U	J	CD	3.0 U		
Sodium	9720000	J	D	8540000		D	8840000	J	D	351 L	J	AD	718 L	J	A	480 L	J	AD	117 L	J	A
Thallium	2.2 U	J	D	2.9 L	J	AD	2.2 U	J	D	2.2 U		D	2.2 U			2.2 U		D	2.2 U		
Vanadium	2.6 U	J	D	4.0 L	J	AD	4.6 L	J	AD	2.6 U		D	2.6 U			2.6 U		D	2.6 U		
Zinc	109	J	DEF	109	J	DEF	109	J	DEF	23.6	J	DEF	4.5 L	J	AF	54.2	J	DEF	2.0 U		
Cyanide	10.0 U	J	B	10.0 U	J	B	10.0 U	J	B	10.0 U	J	B	10.0 U	J	B	10.0 U	J	B	10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #01
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 9, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Sample I.D.	IDL			CRDL																	
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	16.5			200																	
Antimony	10.8			60.0																	
Arsenic	1.5			10.0																	
Barium	3.1			200																	
Beryllium	0.80			5.0																	
Cadmium	1.0			5.0																	
Calcium	34.9			5000																	
Chromium	4.4			10.0																	
Cobalt	2.3			50.0																	
Copper	3.1			25.0																	
Iron	4.8			100																	
Lead	1.5			3.0																	
Magnesium	38.2			5000																	
Manganese	0.60			15.0																	
Mercury	0.20			0.20																	
Nickel	4.5			40.0																	
Potassium	103			5000																	
Selenium	2.1			5.0																	
Silver	3.0			10.0																	
Sodium	20.2			5000																	
Thallium	2.2			10.0																	
Vanadium	2.6			50.0																	
Zinc	2.0			20.0																	
Cyanide	N/A			10.0																	

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
CRDL-Contract Required Detection Limit

ANALYTIC RESULTS
TAB 1A

Case No.: J79 Memo #07
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	CS-1U			DC1-1			DC1-2			DC1-4			DC1-5			DC2-1			DC2-2		
Sample I.D.	MYN556 D1			MYN576			MYN577			MYN579			MYN580			MYN581			MYN582 D2		
Date of Collection	4/12/94			4/13/94			4/13/94			4/13/94			4/13/94			4/13/94			4/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	84.1 L	J	CD	289	J	D	55.4 L	J	C	26.0 L	J	CD	60.1 L	J	C	60.0 L	J	CD	55.4 L	J	CD
Antimony	14.7 U		D	14.7 U	J	D	14.7 U			14.7 U	J	D	14.7 U			14.7 U		D	14.7 U		D
Arsenic	2.1 L	J	CD	1.5 U	J	D	1.5 U			1.5 U	J	D	1.5 U			2.0 L	J	CD	1.5 U		D
Barium	10.5 L	J	CD	72.2 L	J	CD	53.4 L	J	C	45.9 L	J	CD	44.4 L	J	C	38.8 L	J	CD	33.9 L	J	CD
Beryllium	0.40 U		D	0.40 U	J	D	0.40 U			0.40 U	J	D	0.40 U			0.40 U		D	0.40 U		D
Cadmium	1.1 U		D	1.1 L	J	CD	1.1 U			1.1 U	J	D	1.1 U			1.1 U		D	1.1 U		D
Calcium	316000		D	138000	J	D	166000			195000	J	D	194000			219000		D	233000		D
Chromium	2.9 L	J	CD	3.2 L	J	CD	4.6 L	J	C	3.8 L	J	CD	4.6 L	J	C	4.6 L	J	CD	3.2 L	J	CD
Cobalt	2.1 U		D	2.1 U	J	D	2.1 U			2.1 U	J	D	2.1 U			2.1 U		D	2.1 U		D
Copper	3.6 U		D	9.1 L	J	CD	6.4 L	J	C	3.6 U	J	D	4.6 L	J	C	4.5 L	J	CD	3.6 U		D
Iron	135		D	650	J	D	294			248	J	D	267			250		D	220		D
Lead	1.5 U		D	3.3	J	D	1.5 U			1.5 U	J	D	1.5 U			1.5 U		D	1.5 U		D
Magnesium	1180000		D	359000	J	D	501000			619000	J	D	618000			715000		D	774000		D
Manganese	21.5		D	135	J	D	113			91.8	J	D	91.8			79.1		D	70.6		D
Mercury	1.3	J	DFG	0.21	J	DEF	0.65	J	EF	0.28	J	DEF	0.20 U	J	F	0.43	J	DEF	0.21	J	DF
Nickel	6.5 U		D	6.5 U	J	D	6.5 U			6.5 U	J	D	6.5 U			6.5 U		D	6.5 U		D
Potassium	328000		D	106000	J	D	148000			183000	J	D	183000			213000		D	230000		D
Selenium	2.1 U		D	2.1 U	J	D	2.1 U			2.1 U	J	D	2.1 U			2.1 U		D	2.1 U		D
Silver	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	A	3.6 U	R	AD	3.6 U	R	A	3.6 U	R	AD	3.6 U	R	AD
Sodium	9070000		D	2800000	J	D	3980000			4950000	J	D	4910000			6080000		D	6650000		D
Thallium	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	B	2.4 L	J	BCD	4.5 L	J	BC	2.2 U	J	BD	3.5 L	J	BCD
Vanadium	2.2 U		D	2.4 L	J	CD	2.2 U			2.9 L	J	CD	3.8 L	J	C	2.2 U		D	2.2 U		D
Zinc	14.5 L	J	CD	68.0	J	D	47.9			42.3	J	D	43.3			37.3		D	31.1		D
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: 779 Memo #07
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	DC2-3			DC2-4			DC2-5			DC2-6			EQ-V2			TLL-2			TLL-4		
Sample I.D.	MYN583			MYN584			MYN585			MYN586 D2			MYN587 EB			MYN607			MYN609		
Date of Collection	4/14/94			4/14/94			4/14/94			4/14/94			4/13/94			4/13/94			4/13/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	87.6 L	J	C	79.5 L	J	CD	72.4 L	J	CD	54.5 L	J	CD	20.9 U	J	D	275		D	74.7 L	J	CD
Antimony	14.7 U			14.7 U	J	D	14.7 U	J	D	14.7 L	J	CD	14.7 U	J	D	14.7 U		D	14.7 U		D
Arsenic	1.6 L	J	C	1.8 L	J	CD	4.3 L	J	CD	1.5 U		D	1.5 U	J	D	1.5 U		D	4.1 L	J	CD
Barium	32.8 L	J	C	27.7 L	J	CD	27.9 L	J	CD	33.7 L	J	CD	1.2 U	J	D	83.5 L	J	CD	101 L	J	CD
Beryllium	0.40 U			0.40 U	J	D	0.40 U	J	D	0.40 U		D	0.40 U	J	D	0.40 U		D	0.40 U		D
Cadmium	1.1 U			1.1 U	J	D	1.3 L	J	CD	2.0 L	J	CD	1.1 U	J	D	1.1 U		D	1.1 U		D
Calcium	235000			244000	J	D	249000	J	D	230000		D	188 L	J	CD	109000		D	85200		D
Chromium	2.6 L	J	C	4.9 L	J	CD	3.8 L	J	CD	5.8 L	J	CD	2.5 U	J	D	2.5 U		D	2.5 U		D
Cobalt	2.1 U			2.1 U	J	D	2.1 U	J	D	2.1 U		D	2.1 U	J	D	2.1 U		D	2.1 U		D
Copper	3.8 L	J	C	3.6 U	J	D	3.6 U	J	D	3.6 U		D	3.6 U	J	D	19.2 L	J	CD	29.2		D
Iron	272			237	J	D	225	J	D	247		D	53.9 L	J	CD	450		D	213		D
Lead	1.5 U			1.5 U	J	D	1.5 U	J	D	1.5 U		D	1.5 U	J	D	2.8 L	J	CD	4.4		D
Magnesium	783000			820000	J	D	842000	J	D	767000		D	244 L	J	CD	169000		D	37500		D
Manganese	68.4			61.3	J	D	58.5	J	D	69.4		D	0.90 U	J	D	101		D	33.1		D
Mercury	1.0	J	F	0.39	J	DF	0.32	J	DF	0.22	J	DF	1.5	J	DF	0.20 U	J	DF	0.20 U	J	DF
Nickel	6.5 U			6.5 U	J	D	6.5 U	J	D	6.5 U		D	6.5 U	J	D	6.5 U		D	7.3 L	J	CD
Potassium	233000			244000	J	D	251000	J	D	227000		D	186 L	J	CD	52500		D	14500		D
Selenium	2.1 U			2.1 U	J	D	2.1 U	J	D	2.1 U		D	2.1 U	J	D	2.1 U		D	2.5 L	J	CD
Silver	3.6 U	R	A	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	AD
Sodium	6720000			7070000	J	D	7150000	J	D	6540000		D	2070 L	J	CD	1380000		D	226000		D
Thallium	2.2 U	J	B	2.2 U	J	BD	2.2 U	J	BD	2.5 L	J	BCD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD
Vanadium	2.2 U			2.2 U	J	D	2.3 L	J	CD	2.3 L	J	CD	2.2 U	J	D	3.5 L	J	CD	2.3 L	J	CD
Zinc	40.0			29.1	J	D	32.0	J	D	28.1		D	7.1 U	J	D	38.2		D	38.6		D
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTIC RESULTS
TAL 1A

Case No.: 879 Memo #07
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	TLL-5			CS-6U			TLL-6			TLL-7			TLL-8			TLL-9			Lab Blank		
Sample I.D.	MYN610			MYN613 D1			MYN654			MYN655			MYN656			MYN657					
Date of Collection	4/13/94			4/12/94			4/13/94			4/13/94			4/13/94			4/13/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	34.4 L	J	C	104 L	J	CD	107 L	J	CD	54.9 L	J	CD	49.7 L	J	C	56.9 L	J	C	20.9 U		
Antimony	14.7 U			14.7 U	J	D	14.7 U		D	14.7 U	J	D	14.7 U			14.7 U			14.7 U		
Arsenic	3.3 L	J	C	2.0 L	J	CD	2.4 L	J	CD	2.0 L	J	CD	2.4 L	J	C	4.0 L	J	C	1.5 U		
Barium	97.0 L	J	C	9.4 L	J	CD	88.2 L	J	CD	89.1 L	J	CD	84.4 L	J	C	94.2 L	J	C	1.2 U		
Beryllium	0.40 U			0.40 U	J	D	0.40 U		D	0.40 U	J	D	0.40 U			0.40 U			0.40 U		
Cadmium	1.1 U			1.1 U	J	D	1.7 L	J	CD	1.1 U	J	D	1.1 U			1.1 U			1.1 U		
Calcium	79300			310000	J	D	75200		D	71200	J	D	72400			83800			176 U		
Chromium	2.5 U			3.5 L	J	CD	2.6 L	J	CD	2.5 U	J	D	2.5 U			3.2 L	J	C	2.5 U		
Cobalt	2.1 U			2.1 U	J	D	2.1 U		D	2.1 U	J	D	2.1 U			2.1 U			2.1 U		
Copper	22.8 L	J	C	3.6 U	J	D	25.5		D	16.5 L	J	CD	15.8 L	J	C	27.3			3.6 U		
Iron	122			122	J	D	188		D	171	J	D	202			149			39.1 L	J	C
Lead	1.7 L	J	C	1.5 U	J	D	3.2		D	1.9 L	J	CD	11.4			2.2 L	J	C	1.5 U		
Magnesium	34400			1250000	J	D	28900		D	29400	J	D	25200			10300			25.0 U		
Manganese	22.0			21.2	J	D	17.0		D	15.7	J	D	13.8 L	J	C	15.6			0.90 U		
Mercury	0.20 U	J	F	0.20	J	DFG	0.28	J	DEF	0.20 U	J	DF	0.66	J	DEF	0.20 U	J	F	0.20 U		
Nickel	6.5 U			6.5 U	J	D	7.0 L	J	CD	6.5 L	J	CD	6.5 U			6.5 U			6.5 U		
Potassium	14200			329000	J	D	15500		D	14000	J	D	9940			11200			77.2 U		
Selenium	2.5 L	J	C	2.1 U	J	D	2.1 U		D	2.1 L	J	CD	2.5 L	J	C	2.1 U			2.1 U		
Silver	3.6 U	R	A	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	AD	3.6 U	R	A	3.6 U	R	A	3.6 U		
Sodium	197000			9650000	J	D	158000		D	156000	J	D	175000			144000			39.4 U		
Thallium	2.2 U	J	B	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	B	2.2 U	J	B	2.2 U		
Vanadium	2.2 U			2.2 U	J	D	4.9 L	J	CD	2.3 L	J	CD	2.6 L	J	C	4.6 L	J	C	2.2 U		
Zinc	27.0			15.9 L	J	CD	137		D	24.7	J	D	26.0			26.4			7.1 U		
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

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Case No.: .879 Memo #07 TA 1A
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Sample I.D.	IDL			CRDL																
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	20.9			200																
Antimony	14.7			60.0																
Arsenic	1.5			10.0																
Barium	1.2			200																
Beryllium	0.40			5.0																
Cadmium	1.1			5.0																
Calcium	176			5000																
Chromium	2.5			10.0																
Cobalt	2.1			50.0																
Copper	3.6			25.0																
Iron	9.9			100																
Lead	1.5			3.0																
Magnesium	25.0			5000																
Manganese	0.90			15.0																
Mercury	0.20			0.20																
Nickel	6.5			40.0																
Potassium	77.2			5000																
Selenium	2.1			5.0																
Silver	3.6			10.0																
Sodium	39.4			5000																
Thallium	2.2			10.0																
Vanadium	2.2			50.0																
Zinc	7.1			20.0																
Cyanide	N/A			10.0																

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit
N/A-Not Applicable

Case No.: 679 Memo #10
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs., Inc. (SKINER)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	EQ-P4			EQ-D1			EQ-T1			EQ-V4			DC1-3			EQ-P2			TLL-1		
Sample I.D.	MYN537 EB			MYN540 EB			MYN541 EB			MYN546 EB			MYN578			MYN588 EB			MYN606		
Date of Collection	04/15/94			04/13/94			04/13/94			04/15/94			04/13/94			04/13/94			04/13/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	23.3 L	J	CD	16.5 U	J	D	16.5 U	J	D	16.5 U	J	D	29.5 L	J	CD	59.9 L	J	CD	27.8 L	J	CD
Antimony	10.8 U		D	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D
Arsenic	1.5 U		D	1.5 U	J	D	1.5 U	J	D	1.5 U	J	D	2.3 L	J	CD	1.5 U	J	D	3.1 L	J	CD
Barium	4.6 L	J	CD	4.6 L	J	CD	3.1 U	J	D	3.4 L	J	CD	50.0 L	J	CD	4.6 L	J	CD	97.8 L	J	CD
Beryllium	0.80 U		D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D
Cadmium	1.0 U		D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D
Calcium	230 L	J	CD	34.9 U	J	D	36.4 L	J	CD	34.9 U	J	D	182000	J	D	318 L	J	CD	146000	J	D
Chromium	4.4 U		D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D
Cobalt	2.3 U		D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D
Copper	3.1 U		D	3.1 U	J	D	3.1 U	J	D	3.1 U	J	D	7.5 L	J	CD	3.1 U	J	D	11.0 L	J	CD
Iron	21.2 L	J	CD	16.4 L	J	CD	62.0 L	J	CD	12.8 L	J	CD	272	J	D	89.6 L	J	CD	207	J	D
Lead	2.1 L	J	BCD	1.5 U	J	BD	1.7 L	J	BCD	1.5 U	J	BD	1.6 L	J	BCD	2.3 L	J	BCD	1.8 L	J	BCD
Magnesium	76.6 L	J	CD	38.2 U	J	D	38.2 U	J	D	38.2 U	J	D	558000	J	D	124 L	J	CD	330000	J	D
Manganese	1.2 L	J	CDG	0.60 U	J	DG	0.71 L	J	CDG	0.60 U	J	DG	106	J	DG	3.1 L	J	CDG	167	J	DG
Mercury	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF	0.86	J	BDEF	0.43	J	BDF	0.20 U	J	DF	0.20 U	J	DF
Nickel	4.5 U		D	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D
Potassium	114 L	J	CD	103 U	J	D	106 L	J	CD	103 U	J	D	164000	J	D	208 L	J	CD	96000	J	D
Selenium	2.1 U		D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D
Silver	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD
Sodium	346 L	J	CD	77.8 L	J	CD	92.1 L	J	CD	86.4 L	J	CD	4720000	J	D	877 L	J	CD	2720000	J	D
Thallium	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD
Vanadium	2.6 U		D	2.6 U	J	D	2.6 U	J	D	2.6 U	J	D	4.8 L	J	CD	2.6 U	J	D	4.8 L	J	CD
Zinc	14.9 L	J	CD	2.0 U	J	D	2.0 U	J	D	2.0 U	J	D	44.1	J	DE	56.7	J	DE	41.0	J	DE
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: 379 Memo #10
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs., Inc. (SKINER)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	TLL-3			EQ-D3			EQ-T3			TLU-1			TLU-2			TLU-3			TLU-4		
Sample I.D.	MYN608			MYN611 EB			MYN612 EB			MYN614 D1			MYN615			MYN616			MYN617		
Date of Collection	04/13/94			04/13/94			04/13/94			04/14/94			04/14/94			04/14/94			04/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	4 L	Val	Com	Result	Val	Com
Aluminum	627	J	D	30.2 L	J	CD	17.5 L	J	CD	36.4 L	J	CD	676	J	D	38.0 L	J	CD	33.8 L	J	CD
Antimony	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D	10.8 U	J	D	10.8 U		D	10.8 U		D
Arsenic	5.4 L	J	CD	1.5 U	J	D	1.5 U	J	D	2.1 L	J	CD	3.7 L	J	CD	3.9 L	J	CD	3.8 L	J	CD
Barium	104 L	J	CD	12.5 L	J	CD	4.6 L	J	CD	79.6 L	J	CD	97.8 L	J	CD	110 L	J	CD	102 L	J	CD
Beryllium	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U		D	0.80 U		D
Cadmium	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U		D	1.0 U		D
Calcium	99800	J	D	112 L	J	CD	64.9 L	J	CD	169000	J	D	123000	J	D	117000		D	109000		D
Chromium	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U		D	4.4 U		D
Cobalt	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U		D	2.3 U		D
Copper	28.8	J	D	3.1 U	J	D	3.1 U	J	D	10.3 L	J	CD	28.1	J	D	20.5 L	J	CD	17.1 L	J	CD
Iron	915	J	D	33.2 L	J	CD	15.2 L	J	CD	218	J	D	1050	J	D	156		D	166		D
Lead	8.7	J	BD	1.5 L	J	BCD	1.5 U	J	BD	1.7 L	J	BCD	15.1	J	BD	2.5 L	J	BCD	3.0	J	BD
Magnesium	91100	J	D	38.2 U	J	D	38.2 U	J	D	447000	J	D	201000	J	D	134000		D	122000		D
Manganese	75.3	J	DG	1.4 L	J	CDG	0.95 L	J	CDG	120	J	DG	85.6	J	DG	58.1	J	DG	50.7	J	DG
Mercury	0.21	J	BDF	0.20 U	J	DF	0.20 U	J	DF	0.21	J	BDEF	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF
Nickel	8.0 L	J	CD	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D	6.6 L	J	CD	4.5 U		D
Potassium	29800	J	D	118 L	J	CD	122 L	J	CD	131000	J	D	62500	J	D	42200		D	38700		D
Selenium	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U		D	2.3 L	J	CD
Silver	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD
Sodium	680000	J	D	273 L	J	CD	156 L	J	CD	3850000	J	D	1630000	J	D	1100000		D	961000		D
Thallium	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD
Vanadium	2.6 U	J	D	2.6 U	J	D	2.6 U	J	D	3.2 L	J	CD	4.9 L	J	CD	4.8 L	J	CD	3.2 L	J	CD
Zinc	51.8	J	DE	2.0 U	J	D	2.0 U	J	D	32.0	J	D	60.5	J	D	23.5		D	24.6		D
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTIC RESULTS
TAb. 1A

Case No.: 879 Memo #10
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs., Inc. (SKINER)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	TLU-5			TLU-6			TLU-7			EQ-D4			EQ-T4			DC3-1			Lab Blank		
Sample I.D.	MYN618			MYN619			MYN620 D1			MYN628 EB			MYN629 EB			MYN630					
Date of Collection	04/15/94			04/15/94			04/14/94			04/15/94			04/15/94			04/14/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	16.9 L	J	CD	41.2 L	J	CD	26.3 L	J	CD	31.2 L	J	CD	21.2 L	J	CD	52.3 L	J	CD	16.5 U		
Antimony	12.2 L	J	CD	12.7 L	J	CD	10.8 U	J	D	10.8 U	J	D	10.8 U		D	10.8 U		D	10.8 U		
Arsenic	2.8 L	J	CD	3.4 L	J	CD	1.8 L	J	CD	1.5 U	J	D	1.5 U		D	3.2 L	J	CD	1.5 U		
Barium	111 L	J	CD	126 L	J	CD	80.8 L	J	CD	5.7 L	J	CD	3.1 U		D	33.0 L	J	CD	4.6 L	J	C
Beryllium	0.80 U		D	0.80 U	J	D	0.80 U	J	D	0.80 U	J	D	0.80 U		D	0.80 U		D	0.80 U		
Cadmium	1.0 U		D	1.0 U	J	D	1.0 U	J	D	1.0 U	J	D	1.0 U		D	1.0 U		D	1.0 U		
Calcium	83900		D	93200	J	D	167000	J	D	56.2 L	J	CD	112 L	J	CD	245000		D	34.9 U		
Chromium	4.4 U		D	4.4 U	J	D	4.4 U	J	D	4.4 U	J	D	4.4 U		D	4.4 U		D	4.4 U		
Cobalt	2.3 U		D	2.3 U	J	D	2.3 U	J	D	2.3 U	J	D	2.3 U		D	2.3 U		D	2.3 U		
Copper	8.2 L	J	CD	6.8 L	J	CD	10.3 L	J	CD	3.1 U	J	D	3.1 U		D	4.8 L	J	CD	3.1 U		
Iron	102		D	156	J	D	196	J	D	30.8 L	J	CD	48.4 L	J	CD	217		D	68.4 L	J	C
Lead	1.5 L	J	BCD	2.1 L	J	BCD	2.0 L	J	BCD	1.7 L	J	BCD	1.5 U	J	BD	1.5 U	J	BD	1.5 U		
Magnesium	65900		D	64400	J	D	434000	J	D	86.1 L	J	CD	38.2 U		D	810000		D	38.2 U		
Manganese	28.7	J	DG	31.6	J	DG	117	J	DG	0.71 L	J	CDG	1.4 L	J	CDG	62.2	J	DG	1.4 L	J	C
Mercury	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF	0.77	J	BDEF	0.20 U		
Nickel	4.5 U		D	4.5 U	J	D	4.5 U	J	D	4.5 U	J	D	4.5 U		D	4.5 U		D	4.5 U		
Potassium	14700		D	13400	J	D	128000	J	D	134 L	J	CD	167 L	J	CD	239000		D	110 L	J	C
Selenium	2.1 U		D	2.1 U	J	D	2.1 U	J	D	2.1 U	J	D	2.1 U		D	2.1 U		D	2.1 U		
Silver	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U		
Sodium	306000		D	276000	J	D	3400000	J	D	701 L	J	CD	275 L	J	CD	6740000		D	62.4 L	J	C
Thallium	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U	J	BD	2.2 U		
Vanadium	2.6 U		D	2.7 L	J	CD	2.6 U	J	D	2.6 U	J	D	2.6 U		D	5.3 L	J	CD	2.6 U		
Zinc	12.6 L	J	CD	14.0 L	J	CD	28.9	J	D	2.0 U	J	D	2.0 U		D	27.5		D	2.0 U		
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: 879 Memo #10 TAb. 1A

Site: Montrose

Lab.: TMA/Skinner & Sherman Labs., Inc. (SKINER) Analysis Type: Low Concentration Water Samples for RAS Total Metals and Cyanide

Reviewer: Chris Davis, ESAT/ICF Kaiser

Date: June 24, 1994 Concentration in ug/L

Sample I.D.	IDL			CRDL																	
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	16.5			200																	
Antimony	10.8			60.0																	
Arsenic	1.5			10.0																	
Barium	3.1			200																	
Beryllium	0.80			5.0																	
Cadmium	1.0			5.0																	
Calcium	34.9			5000																	
Chromium	4.4			10.0																	
Cobalt	2.3			50.0																	
Copper	3.1			25.0																	
Iron	4.8			100																	
Lead	1.5			3.0																	
Magnesium	38.2			5000																	
Manganese	0.60			15.0																	
Mercury	0.20			0.20																	
Nickel	4.5			40.0																	
Potassium	103			5000																	
Selenium	2.1			5.0																	
Silver	3.0			10.0																	
Sodium	20.2			5000																	
Thallium	2.2			10.0																	
Vanadium	2.6			50.0																	
Zinc	2.0			20.0																	
Cyanide	N/A			10.0																	

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

ANALYTIC RESULTS
TABLE 1A

Case No.: 11879 Memo #12
Site: Montrose
Lab.: TMA/SKinner & Sherman Labs, Inc. (SKINER)
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Surfacewater Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Station Location	DC3-2			DC3-3			DC3-4			DC3-5			DC4-1			DC4-2			DC4-3		
Sample I.D.	MYN631			MYN632			MYN633			MYN634			MYN635			MYN636			MYN637		
Date of Collection	04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/15/94			04/15/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	85.6 L	J	C	101 L	J	C	83.9 L	J	C	86.8 L	J	C	115 L	J	C	97.8 L	J	C	75.8 L	J	C
Antimony	18.6 L	J	C	14.7 U			14.7 U			14.7 U			14.7 U			14.7 U			17.9 L	J	C
Arsenic	2.5 L	J	C	1.9 L	J	C	2.1 L	J	C	1.9 L	J	C	4.7 L	J	C	2.6 L	J	C	1.5 U		
Barium	30.5 L	J	C	26.6 L	J	C	24.3 L	J	C	22.2 L	J	C	16.0 L	J	C	13.6 L	J	C	11.6 L	J	C
Beryllium	0.40 U			0.40 U			0.40 U			0.40 U			0.40 U			0.40 U			0.40 U		
Cadmium	1.1 U			1.1 U			1.1 U			1.1 U			1.1 U			1.1 U			1.1 U		
Calcium	250000			270000			271000			278000			300000			318000			320000		
Chromium	3.2 L	J	C	3.2 L	J	C	2.5 U			2.5 U			3.0 L	J	C	3.8 L	J	C	2.5 U		
Cobalt	2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1 U		
Copper	6.7 L	J	C	5.6 L	J	C	6.0 L	J	C	3.6 U			4.1 L	J	C	5.2 L	J	C	3.6 U		
Iron	225			237			208			205			195			171			162		
Lead	1.7 L	J	BCD	1.5 U	J	B	1.5 U	J	B	1.5 U	J	B	2.6 L	J	BCD	1.5 U	J	B	1.5 U	J	B
Magnesium	824000			898000			905000			933000			1090000			1130000			1130000		
Manganese	60.0			52.1			47.9			43.6			32.5			32.1			31.7		
Mercury	0.89	J	BDE	0.20 U	J	E	0.39	J	BDE	0.20 U	J	E	0.20 U	J	E	0.20 U	J	E	0.20 U	J	E
Nickel	6.5 U			6.5 U			6.5 U			6.5 U			6.5 U			6.5 U			6.5 U		
Potassium	251000			277000			278000			286000			314000			333000			337000		
Selenium	2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1 U		
Silver	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A
Sodium	7000000			7580000			7430000			7910000			8700000			8990000			9050000		
Thallium	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B
Vanadium	5.5 L	J	C	3.8 L	J	C	3.2 L	J	C	2.9 L	J	C	5.2 L	J	C	4.4 L	J	C	2.3 L	J	C
Zinc	30.7			29.0			28.0			28.7			25.0			15.9 L	J	C	15.5 L	J	C
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: .879 Memo #12 TAB 1A

Site: Montrose

Lab.: TMA/SKinner & Sherman Labs, Inc. (SKINER)

Reviewer: Mary Hart, ESAT/ICF Kaiser

Date: June 24, 1994

Concentration in ug/L

Analysis Type: Low Concentration Surfacewater Samples for RAS Total Metals and Cyanide

Station Location	DC4-4			DC4-5			DC4-6			EQ-V3			EQ-P3			Lab Blank			IDL		
Sample I.D.	MYN638			MYN639 D1			MYN640 D1			MYN641 EB			MYN642 EB								
Date of Collection	04/15/94			04/15/94			04/15/94			04/14/94			04/14/94								
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	104 L	J	C	83.6 L	J	C	126 L	J	C	22.3 L	J	C	38.1 L	J	C	24.9 L	J	C	20.9		
Antimony	14.7 U			14.7 U			14.7 U			14.7 U			14.7 U			14.7 U			14.7		
Arsenic	2.4 L	J	C	2.6 L	J	C	2.6 L	J	C	1.5 U			1.5 U			1.5 U			1.5		
Barium	11.4 L	J	C	11.4 L	J	C	10.8 L	J	C	1.2 U			1.2 U			1.2 U			1.2		
Beryllium	0.40 U			0.40 U			0.40 U			0.40 U			0.40 U			0.40 U			0.40		
Cadmium	1.1 U			1.1 U			1.1 U			1.1 U			1.1 U			1.1 U			1.1		
Calcium	318000			314000			324000			359 L	J	C	472 L	J	C	176 U			176		
Chromium	3.8 L	J	C	3.0 L	J	C	2.5 U			2.5 U			2.5 U			2.5 U			2.5		
Cobalt	2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1		
Copper	4.5 L	J	C	3.6 U			3.6 U			3.6 U			3.6 U			3.6 U			3.6		
Iron	180			162			199			59.6 L	J	C	85.2 L	J	C	76.7 L	J	C	9.9		
Lead	1.5 U	J	B	1.5 U	J	B	1.5 U	J	B	2.2 L	J	BC	3.1	J	BD	1.5 U			1.5		
Magnesium	1100000			1050000			1110000			395 L	J	C	236 L	J	C	25.0 U			25.0		
Manganese	32.1			31.3			32.6			1.4 L	J	C	1.4 L	J	C	0.92 L	J	C	0.90		
Mercury	0.37	J	BDE	0.20 U	J	E	0.20 U	J	E	0.77	J	BDE	0.20 U	J	E	0.20 U			0.20		
Nickel	6.5 U			6.5 U			6.5 U			6.5 U			6.5 U			6.5 U			6.5		
Potassium	332000			326000			339000			217 L	J	C	158 L	J	C	77.2 U			77.2		
Selenium	2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1 U			2.1		
Silver	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U	R	A	3.6 U			3.6		
Sodium	8750000			8370000			8930000			3450 L	J	C	1710 L	J	C	72.4 L	J	C	39.4		
Thallium	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U	J	B	2.2 U			2.2		
Vanadium	2.3 L	J	C	2.9 L	J	C	2.6 L	J	C	2.2 U			2.2 U			2.2 U			2.2		
Zinc	24.7			10.5 L	J	C	12.5 L	J	C	13.5 L	J	C	15.2 L	J	C	7.1 U			7.1		
Cyanide	10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0 U			10.0		

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

Case No.: J79 Memo #12
Site: Montrose
Lab.: TMA/SKinner & Sherman Labs, Inc. (SKINER)
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Surfacewater Samples for RAS Total Metals and Cyanide

Concentration in ug/L

Sample I.D.	CRDL																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	200																				
Antimony	60.0																				
Arsenic	10.0																				
Barium	200																				
Beryllium	5.0																				
Cadmium	5.0																				
Calcium	5000																				
Chromium	10.0																				
Cobalt	50.0																				
Copper	25.0																				
Iron	100																				
Lead	3.0																				
Magnesium	5000																				
Manganese	15.0																				
Mercury	0.20																				
Nickel	40.0																				
Potassium	5000																				
Selenium	5.0																				
Silver	10.0																				
Sodium	5000																				
Thallium	10.0																				
Vanadium	50.0																				
Zinc	20.0																				
Cyanide	10.0																				

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #02
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 2, 1994

Analysis Type: Low Concentration Water Samples for RAS Cyanide

Concentration in ug/L

Station Location	CS-1F			CS-2F			CS-3F			CS-4F			CS-5F			CS-6F			Lab Blank		
Sample I.D.	MYN564 D1			MYN565			MYN566			MYN567			MYN568			MYN569 D1					
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Cyanide	10.0 U		A	10.0 U		A	10.0 U		A	10.0 U		A	10.0 U		A	10.0 U		A	10.0 U		

Sample I.D.	IDL			CRDL																	
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Cyanide	N/A			10.0																	

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #03
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 10, 1994

Analysis Type: Low Concentration Water Samples for RAS Dissolved Metals

Concentration in ug/L

Station Location	EQ-PF1			CS-1F			CS-2F			CS-3F			CS-4F			CS-5F			CS-6F		
Sample I.D.	MYN667 EB			MYN668 D1			MYN669			MYN670			MYN671			MYN672			MYN673 D1		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	21.1 L	J	C	27.8 L	J	CD	249	J	D	16.5 U		D	16.5 U		D	16.5 U		D	16.5 U		D
Antimony	10.8 U			10.8 U		D	10.8 U	J	D	10.8 U		D	10.8 U		D	10.8 U		D	10.8 U		D
Arsenic	1.5 U			2.3 L	J	CD	1.5 U	J	D	1.5 U		D	1.6 L	J	CD	2.0 L	J	CD	1.5 U		D
Barium	3.3 L	J	C	13.3 L	J	CD	13.3 L	J	CD	7.8 L	J	CD	23.3 L	J	CD	19.9 L	J	CD	13.3 L	J	CD
Beryllium	0.80 U			0.80 U		D	0.80 U	J	D	0.80 U		D	0.80 U		D	0.80 U		D	0.80 U		D
Cadmium	1.0 U			1.0 U		D	1.0 U	J	D	1.0 U		D	1.0 U		D	1.0 U		D	1.0 U		D
Calcium	34.9 U			323000		D	339000	J	D	287000		D	308000		D	320000		D	327000		D
Chromium	4.4 U			4.4 U		D	4.4 U	J	D	4.4 U		D	4.4 U		D	4.4 U		D	4.4 U		D
Cobalt	2.3 U			2.3 U		D	2.3 U	J	D	2.3 U		D	2.3 U		D	2.3 U		D	2.3 U		D
Copper	3.1 U			3.1 U		D	6.1 L	J	CD	3.1 U		D	8.1 L	J	CD	5.4 L	J	CD	3.1 U		D
Iron	4.8 U			6.9 L	J	CD	53.8 L	J	CD	24.3 L	J	CD	4.8 U		D	4.8 U		D	4.8 U		D
Lead	1.9 L	J	BC	1.5 U		BD	2.9 L	J	BCD	1.5 U	J	BD	1.5 U	J	BD	1.5 U	J	BD	1.5 U	J	BD
Magnesium	38.2 U			562000		D	607000	J	D	968000		D	549000		D	570000		D	587000		D
Manganese	0.60 U			27.6		D	29.5	J	D	31.4		D	25.5		D	23.6		D	25.2		D
Mercury	0.20 U	J	F	0.32	J	DFG	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DF	0.20 U	J	DFG
Nickel	4.5 U			4.5 U		D	4.5 U	J	D	4.5 U		D	4.5 U		D	4.5 U		D	4.5 U		D
Potassium	103 U			324000		D	342000	J	D	284000		D	303000		D	314000		D	324000		D
Selenium	2.1 U			2.1 U		D	2.1 U	J	D	2.1 U		D	2.1 U		D	2.1 U		D	2.1 U		D
Silver	3.0 U	R	A	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD	3.0 U	R	AD
Sodium	180 L	J	C	4420000		D	4750000	J	D	2400000		D	4320000		D	4480000		D	4610000		D
Thallium	2.2 U	J	B	2.2 U		BD	2.2 U	J	BD	2.2 U	J	BD	3.6 L	J	BCD	2.2 U	J	BD	4.0 L	J	BCD
Vanadium	2.6 U			3.6 L	J	CD	2.6 U	J	D	2.6 U		D	2.6 U		D	3.1 L	J	CD	2.6 U		D
Zinc	62.1		E	15.2 L	J	CDE	63.8	J	DE	84.3	J	DE	21.4	J	DE	20.5	J	DE	12.1 L	J	CDE

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

[redacted] ANA[redacted]\L [redacted]LTS [redacted] Pa[redacted] of [redacted]

Case No. 21879 Memo #03 . .E 1A
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER) UNVALIDATED DATA Analysis Type: Low Concentration Water Samples for RAS Dissolved Metals
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 10, 1994 Concentration in ug/L

Station Location Sample I.D. Date of Collection	Lab Blank			IDL			CRDL														
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	26.9 L	J	C	16.5			200														
Antimony	10.8 U			10.8			60.0														
Arsenic	1.5 U			1.5			10.0														
Barium	3.1 U			3.1			200														
Beryllium	0.80 U			0.80			5.0														
Cadmium	1.0 U			1.0			5.0														
Calcium	34.9 U			34.9			5000														
Chromium	4.4 U			4.4			10.0														
Cobalt	2.3 U			2.3			50.0														
Copper	3.1 U			3.1			25.0														
Iron	4.8 U			4.8			100														
Lead	1.5 U			1.5			3.0														
Magnesium	38.2 U			38.2			5000														
Manganese	0.60 U			0.60			15.0														
Mercury	0.20 U			0.20			0.20														
Nickel	4.5 U			4.5			40.0														
Potassium	103 U			103			5000														
Selenium	2.1 U			2.1			5.0														
Silver	3.0 U			3.0			10.0														
Sodium	85.3 U			20.2			5000														
Thallium	2.2 U			2.2			10.0														
Vanadium	2.6 U			2.6			50.0														
Zinc	2.0 U			2.0			20.0														

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANAL CAL RESULTS
TABLE 1A

Case No.: R9412 Memo #01
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: June 23, 1994

Analysis Type: Low Concentration Water Samples for SAS Total Dissolved Solids and Total Suspended Solids

Concentration in mg/L

Station Location	KD-1			KD-2			KD-3			KD-6			CS-1U			CS-2U			CS-3U		
Sample I.D.	SYA921 D1			SYA922			SYA923			SYA926 D1			SYA943 D2			SYA944			SYA945		
Date of Collection	04/11/94			04/11/94			04/11/94			04/11/94			04/12/94			04/12/94			04/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	595			551			951			576			33400	J	B	38900	J	B	33500	J	B
Total Suspended Solids	10 U	J	A	10 U	J	A	257	J	A	10 U	J	A	10 U	J	A	10 U	J	A	10 U	J	A

Station Location	CS-4U			CS-5U			CS-6U			Lab Blank			IDL			CRDL					
Sample I.D.	SYA946			SYA947			SYB000 D2														
Date of Collection	04/12/94			04/12/94			04/12/94														
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	30300	J	B	31200	J	B	34000	J	B	20 U			20			20					
Total Suspended Solids	10 U	J	A	10 U	J	A	10 U	J	A	10 U			10			10					

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] A[redacted] A[redacted]SULT[redacted] [redacted] [redacted] [redacted] [redacted] Pa[redacted] of [redacted] [redacted]

Case No.: ..4S12 Memo #02 ...BLE 1A

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Dina D. David, ESAT/ICF Kaiser

Date: July 5, 1994

Analysis Type: Low Concentration Groundwater Samples for SAS TDS and TSS by Methods 160.1 and 160.2

Concentration in mg/L

SDG: SYA951

Station Location	DC1-1			DC1-2			DC1-3			DC2-1			DC2-6			TLL-1			TLL-2		
Sample I.D.	SYA963			SYA964			SYA965			SYA968			SYA973 D1			SYA993			SYA994		
Date of Collection	04/13/94			04/13/94			04/13/94			04/14/94			04/14/94			04/13/94			04/13/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	10300	J	C	14200			15400	J	B	27400	J	B	29100	J	B	10700	J	B	3620	J	B
Total Suspended Solids	10 U	J	B	10 U	J	B	10 U	J	B	10 U	J	B	10 U	J	B	19	J	B	10 U	J	B

Station Location	TLL-3			TLL-4			TLL-5			TLL-6			TLL-7			TLL-8			TLL-9		
Sample I.D.	SYA995			SYA996			SYA997			SYB043			SYB044			SYB045			SYB046		
Date of Collection	04/13/94			04/13/94			04/13/94			04/13/94			04/13/94			04/13/94			04/13/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	2800	J	B	1170	J	B	1170	J	B	905	J	B	940	J	B	944	J	B	837	J	B
Total Suspended Solids	14	J	B	13	J	B	14	J	B	10 U	J	B	10 U	J	B	10	J	B	10 U	J	B

Sample I.D.	Lab Blank 1			Lab Blank 2			CRDL														
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	20			20 U			20														
Total Suspended Solids	10 U			10 U			10														

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

ANALY AL RESULTS

...LE 1A

Case No.: ..4S12 Memo #02
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Dina D. David, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: Low Concentration Groundwater Samples for SAS TDS and TSS by Methods 160.1 and 160.2

Concentration in mg/L

SDG: SYA969

Station Location	DC1-4			DC1-5			DC2-2			DC2-3			DC2-4			DC2-5			TLU-1		
Sample I.D.	SYA966			SYA967			SYA969 D1			SYA970			SYA971			SYA972			SYB001 D2		
Date of Collection	04/13/94			04/13/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	18200		E	19700	J	AE	34600	J	B	23400	J	B	24000	J	C	24800	J	C	13300		E
Total Suspended Solids	10 U			10 U	J	A	10 U	J	B	10 U	J	B	10 U			10 U			10 U		

Station Location	TLU-2			TLU-3			TLU-7			DC3-1			DC3-2			DC3-4			DC3-5		
Sample I.D.	SYB002			SYB003			SYB007 D2			SYB018			SYB019			SYB021			SYB022		
Date of Collection	04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	5450		E	4120	J	C	12900		E	24600	J	C	24100	J	C	26800	J	CE	28100	J	CE
Total Suspended Solids	10 U			10 U			10 U			10 U			10 U			10 U			10 U		

Station Location	DC4-1			Lab Blank 1			Lab Blank 2			CRDL											
Sample I.D.	SYB023																				
Date of Collection	04/14/94																				
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	29500	J	CE	20 U			22			20											
Total Suspended Solids	10 U			10 U			10 U			10											

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

[redacted] AN[redacted] AI[redacted]ULTS[redacted] Pag[redacted] of [redacted]

Case No.: [redacted]94S12 Memo #02 TABLE 1A

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Dina D. David, ESAT/ICF Kaiser

Date: July 5, 1994

Analysis Type: Low Concentration Groundwater Samples for SAS TDS and TSS by Methods 160.1 and 160.2

Concentration in mg/L

SDG: SYB017

Station Location	TLU-4			TLU-5			TLU-6			DC3-3			DC4-2			DC4-3			DC4-4		
Sample I.D.	SYB004			SYB005			SYB006			SYB020			SYB024			SYB025			SYB026		
Date of Collection	04/14/94			04/15/94			04/15/94			04/14/94			04/15/94			04/15/94			04/15/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	3660		E	1280		D	1190		DE	25800	J	CE	31800	J	CD	32300	J	CDE	33200	J	CDE
Total Suspended Solids	10 U			10 U		D	10 U		D	10 U			10 U		D	10 U		D	10 U		D

Station Location	DC4-5			DC4-6			Lab Blank 1			Lab Blank 2			CRDL								
Sample I.D.	SYB027 D3			SYB028 D3																	
Date of Collection	04/15/94			04/15/94																	
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Dissolved Solids	32800	J	CDE	33300	J	CDE	22			20 U			20								
Total Suspended Solids	10 U		D	10 U		D	10 U			10 U			10								

Station Location																					
Sample I.D.																					
Date of Collection																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

Sediment

ANALYTICAL RESULTS

TABLE 1A

Case No.: 21879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Soil Samples for RAS Volatiles

Concentration in ug/Kg

Station Location	KD-1			CS-1			CS-6			TLU-1			Method Blank		
Sample I.D.	YQ173			YQ185 D3			YQ186 D3			YQ190 D5*			VBLK1		
Date of Collection	04/11/94			04/12/94			04/12/94			04/14/94					
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	12 U			14 U			22 U			14 U			10 U		
Bromomethane	12 U	J	C	14 U	J	C	22 U	J	C	14 U			10 U	J	C
Vinyl chloride	12 U			14 U			22 U			14 U			10 U		
Chloroethane	12 U	J	C	14 U	J	C	22 U	J	C	14 U			10 U	J	C
Methylene chloride	18 U	J	BD	14 U	J	BD	22 U	J	BD	14 U			10 U	J	D
Acetone	12 U	J	BCD	83 U	J	BCD	170 U	J	BCD	14 U	J	BCD	12	J	BCD
Carbon disulfide	12 U			14 U			22 U			14 U			10 U		
1,1-Dichloroethene	12 U			14 U			22 U			14 U			10 U		
1,1-Dichloroethane	12 U			14 U			22 U			14 U			10 U		
1,2-Dichloroethene (total)	12 U			14 U			22 U			14 U			10 U		
Chloroform	12 U			14 U			22 U			14 U			10 U		
1,2-Dichloroethane	12 U			14 U			22 U			14 U			10 U		
2-Butanone	12 U	J	D	14 U	J	D	17 L	J	AD	14 U	J	D	10 U	J	D
1,1,1-Trichloroethane	12 U			14 U			22 U			14 U			10 U		
Carbon tetrachloride	12 U			14 U			22 U			14 U			10 U		
Bromodichloromethane	12 U			14 U			22 U			14 U			10 U		
1,2-Dichloropropane	12 U			14 U			22 U			14 U			10 U		
cis-1,3-Dichloropropene	12 U			14 U			22 U			14 U			10 U		
Trichloroethene	12 U			14 U			22 U			14 U			10 U		
Dibromochloromethane	12 U			14 U			22 U			14 U			10 U		
1,1,2-Trichloroethane	12 U			14 U			22 U			14 U			10 U		
Benzene	12 U			14 U			22 U			14 U			10 U		
trans-1,3-Dichloropropene	12 U			14 U			22 U			14 U			10 U		
Bromoform	12 U			14 U			22 U			14 U			10 U		
4-Methyl-2-pentanone	12 U	J	D	14 U	J	D	22 U	J	D	14 U			10 U	J	D
2-Hexanone	12 U	J	D	14 U	J	D	22 U	J	D	14 U	J	C	10 U	J	D
Tetrachloroethene	12 U			14 U			22 U			14 U			10 U		
1,1,2,2-Tetrachloroethane	12 U			14 U			22 U			14 U			10 U		
Toluene	12 U			14 U			22 U			14 U			10 U		
Chlorobenzene	12 U			14 U			22 U			14 U			10 U		
Ethylbenzene	12 U			14 U			22 U			14 U			10 U		
Styrene	12 U			14 U			22 U			14 U			10 U		
Xylenes (Total)	12 U			14 U			22 U			14 U			10 U		
Percent Solids	80 %			71 %			45 %			73 %			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
*Field duplicate sample YQ191 is included in Case 21879 Memo #08.

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Soil Samples for RAS Volatiles

Concentration in ug/Kg

Sample I.D.	Method Blank VBLK6			Method Blank VBLK7			CRQL								
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			10 U			10								
Bromomethane	10 U	J	C	10 U			10								
Vinyl chloride	10 U			10 U			10								
Chloroethane	10 U	J	C	10 U			10								
Methylene chloride	10 U	J	D	10 U			10								
Acetone	7 L	J	ABCD	10 U	J	CD	10								
Carbon disulfide	10 U			10 U			10								
1,1-Dichloroethene	10 U			10 U			10								
1,1-Dichloroethane	10 U			10 U			10								
1,2-Dichloroethene (total)	10 U			10 U			10								
Chloroform	10 U			10 U			10								
1,2-Dichloroethane	10 U			10 U			10								
2-Butanone	10 U	J	D	10 U	J	D	10								
1,1,1-Trichloroethane	10 U			10 U			10								
Carbon tetrachloride	10 U			10 U			10								
Bromodichloromethane	10 U			10 U			10								
1,2-Dichloropropane	10 U			10 U			10								
cis-1,3-Dichloropropene	10 U			10 U			10								
Trichloroethene	10 U			10 U			10								
Dibromochloromethane	10 U			10 U			10								
1,1,2-Trichloroethane	10 U			10 U			10								
Benzene	10 U			10 U			10								
trans-1,3-Dichloropropene	10 U			10 U			10								
Bromoform	10 U			10 U			10								
4-Methyl-2-pentanone	10 U	J	D	10 U			10								
2-Hexanone	10 U	J	D	10 U	J	C	10								
Tetrachloroethene	10 U			10 U			10								
1,1,2,2-Tetrachloroethane	10 U			10 U			10								
Toluene	10 U			10 U			10								
Chlorobenzene	10 U			10 U			10								
Ethylbenzene	10 U			10 U			10								
Styrene	10 U			10 U			10								
Xylenes (Total)	10 U			10 U			10								
Percent Solids	N/A			N/A			N/A								

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

Case No.: 21879 Memo #08
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Level Soil Sample for RAS Volatiles

Concentration in ug/Kg

Station Location	TLU-7			Method Blank			CRQL								
Sample I.D.	YQ191 D1*			VBLK2											
Date of Collection	04/14/94														
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	14 U			10 U			10								
Bromomethane	14 U	J	C	10 U	J	C	10								
Vinyl chloride	14 U			10 U			10								
Chloroethane	14 U	J	C	10 U	J	C	10								
Methylene chloride	18 U	J	BD	1 L	J	ABD	10								
Acetone	29 U	J	BCD	7 L	J	ABCD	10								
Carbon disulfide	14 U			10 U			10								
1,1-Dichloroethene	14 U			10 U			10								
1,1-Dichloroethane	14 U			10 U			10								
1,2-Dichloroethene (total)	14 U			10 U			10								
Chloroform	14 U			10 U			10								
1,2-Dichloroethane	14 U	J	D	10 U	J	D	10								
2-Butanone	14 U	J	D	10 U	J	D	10								
1,1,1-Trichloroethane	14 U			10 U			10								
Carbon tetrachloride	14 U			10 U			10								
Bromodichloromethane	14 U			10 U			10								
1,2-Dichloropropane	14 U			10 U			10								
cis-1,3-Dichloropropene	14 U			10 U			10								
Trichloroethene	14 U	J	D	10 U	J	D	10								
Dibromochloromethane	14 U			10 U			10								
1,1,2-Trichloroethane	14 U			10 U			10								
Benzene	2 L	J	A	10 U			10								
trans-1,3-Dichloropropene	14 U			10 U			10								
Bromoform	14 U			10 U			10								
4-Methyl-2-pentanone	14 U	J	D	10 U	J	D	10								
2-Hexanone	14 U	J	D	10 U	J	D	10								
Tetrachloroethene	14 U			10 U			10								
1,1,2,2-Tetrachloroethane	14 U			10 U			10								
Toluene	2 L	J	A	10 U			10								
Chlorobenzene	14 U			10 U			10								
Ethylbenzene	14 U			10 U			10								
Styrene	14 U			10 U			10								
Xylenes (Total)	14 U			10 U			10								
Percent Solids	72 %			N/A			N/A								

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
CRQL-Contract Required Quantitation Limi
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable
*Sample YQ190, the field duplicate of sample YQ191, is included in Case 21879 Memo #05, SDG YQ169.

ANALYTICAL RESULTS
TABLE

Case No.: 879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Soil Samples for RAS Semivolatiles

Concentration in ug/Kg

Station Location	KD-1			CS-1			CS-6			TLU-1			Method Blank			Method Blank			Method Blank		
Sample I.D.	YQ173			YQ185 D3			YQ186 D3			YQ190 D5*			SBLK2			SBLK3			SBLK6		
Date of Collection	04/11/94			04/12/94			04/12/94			04/14/94											
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
bis(2-Chloroethyl)ether	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2-Chlorophenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
1,3-Dichlorobenzene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
1,4-Dichlorobenzene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
1,2-Dichlorobenzene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2-Methylphenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2,2'-oxybis(1-Chloropropane)	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U	J	D
4-Methylphenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
N-Nitroso-di-n-propylamine	410 U		F	930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Hexachloroethane	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Nitrobenzene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Isophorone	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2-Nitrophenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2,4-Dimethylphenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
bis(2-Chloroethoxy)methane	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2,4-Dichlorophenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
1,2,4-Trichlorobenzene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Naphthalene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
4-Chloroaniline	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Hexachlorobutadiene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
4-Chloro-3-methylphenol	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2-Methylnaphthalene	410 U			76 L	J	A	2900 U		I	450 U			330 U			330 U			330 U		
Hexachlorocyclopentadiene	410 U	J	D	930 U		I	2900 U		I	450 U	J	D	330 U	J	D	330 U			330 U	J	D
2,4,6-Trichlorophenol	410 U			930 U		I	2900 U		I	450 U	J	D	330 U			330 U			330 U		
2,4,5-Trichlorophenol	1000 U			2200 U		I	7100 U		I	1100 U	J	D	800 U			800 U			800 U		
2-Chloronaphthalene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2-Nitroaniline	1000 U			2200 U		I	7100 U		I	1100 U			800 U			800 U			800 U		
Dimethylphthalate	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Acenaphthylene	410 U			930 U		I	2900 U		I	27 L	J	A	330 U			330 U			330 U		
2,6-Dinitrotoluene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
3-Nitroaniline	1000 U			2200 U		I	7100 U		I	1100 U			800 U			800 U			800 U		

Station Location	KD-1			CS-1			CS-6			TLU-1			Method Blank			Method Blank			Method Blank		
Sample I.D.	YQ173			YQ185 D3			YQ186 D3			YQ190 D5*			SBLK2			SBLK3			SBLK6		
Date of Collection	04/11/94			04/12/94			04/12/94			04/14/94											
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Acenaphthene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2,4-Dinitrophenol	1000 U			2200 U	J	DI	7100 U	J	DI	1100 U			800 U			800 U			800 U		
4-Nitrophenol	1000 U			2200 U		I	7100 U		I	1100 U			800 U			800 U			800 U		
Dibenzofuran	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
2,4-Dinitrotoluene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Diethylphthalate	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
4-Chlorophenyl-phenyl ether	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Fluorene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
4-Nitroaniline	1000 U			2200 U		I	7100 U		I	1100 U			800 U			800 U			800 U		
4,6-Dinitro-2-methylphenol	1000 U			2200 U	J	DI	7100 U	J	DI	1100 U			800 U			800 U			800 U		
N-Nitrosodiphenylamine	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
4-Bromophenyl-phenyl ether	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Hexachlorobenzene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Pentachlorophenol	1000 U			2200 U		I	7100 U		I	1100 U			800 U			800 U			800 U		
Phenanthrene	190 L	J	A	520 L	J	A	2900 U		I	450 U			330 U			330 U			330 U		
Anthracene	32 L	J	A	130 L	J	A	2900 U		I	450 U			330 U			330 U			330 U		
Carbazole	32 L	J	A	89 L	J	A	2900 U		I	450 U			330 U			330 U			330 U		
Di-n-butylphthalate	410 U			200 L	J	AH	2900 U		I	30 L	J	AH	330 U			330 U			330 U		
Fluoranthene	350 L	J	A	1200			830 L	J	A	66 L	J	A	330 U			330 U			330 U		
Pyrene	370 L	J	AF	1600			850 L	J	A	260 L	J	A	330 U			330 U			330 U		
Butylbenzylphthalate	72 L	J	AH	640 L	J	AH	640 L	J	AH	450 U			330 U			330 U			330 U		
3,3'-Dichlorobenzidine	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Benzo(a)anthracene	140 L	J	A	560 L	J	A	380 L	J	A	51 L	J	A	330 U			330 U			330 U		
Chrysene	220 L	J	A	1100			770 L	J	A	60 L	J	A	330 U			330 U			330 U		
bis(2-Ethylhexyl)phthalate	940			5300		G	8400		G	470			18 L	J	AB	21 L	J	AB	39 L	J	AB
Di-n-octylphthalate	72 L	J	AH	840 L	J	AH	490 L	J	AH	450 U	J	D	330 U			330 U			330 U		
Benzo(b)fluoranthene	220 L	J	A	800 L	J	A	550 L	J	A	42 L	J	A	330 U			330 U			330 U		
Benzo(k)fluoranthene	190 L	J	A	750 L	J	A	360 L	J	A	450 U			330 U			330 U			330 U		
Benzo(a)pyrene	210 L	J	A	740 L	J	A	520 L	J	A	38 L	J	A	330 U			330 U			330 U		
Indeno(1,2,3-cd)pyrene	180 L	J	A	470 L	J	A	370 L	J	A	14 L	J	A	330 U			330 U			330 U		
Dibenz(a,h)anthracene	410 U			930 U		I	2900 U		I	450 U			330 U			330 U			330 U		
Benzo(g,h,i)perylene	210 L	J	A	620 L	J	A	470 L	J	A	27 L	J	A	330 U			330 U			330 U		
Percent Solids	80 %			71 %		G	45 %		G	73 %			N/A			N/A			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

*Field duplicate sample YQ191 is included in Case 21879 Memo #08.

ANALYTICAL RESULTS TABLE

Case No.: 879 Memo #05
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Adriane Scheele, ESAT/ICF Kaiser
Date: June 21, 1994

Analysis Type: Low Level Soil Samples for RAS Semivolatiles

Concentration in ug/Kg

Sample I.D.	CRQL																				
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	330																				
bis(2-Chloroethyl)ether	330																				
2-Chlorophenol	330																				
1,3-Dichlorobenzene	330																				
1,4-Dichlorobenzene	330																				
1,2-Dichlorobenzene	330																				
2-Methylphenol	330																				
2,2'-oxybis(1-Chloropropane)	330																				
4-Methylphenol	330																				
N-Nitroso-di-n-propylamine	330																				
Hexachloroethane	330																				
Nitrobenzene	330																				
Isophorone	330																				
2-Nitrophenol	330																				
2,4-Dimethylphenol	330																				
bis(2-Chloroethoxy)methane	330																				
2,4-Dichlorophenol	330																				
1,2,4-Trichlorobenzene	330																				
Naphthalene	330																				
4-Chloroaniline	330																				
Hexachlorobutadiene	330																				
4-Chloro-3-methylphenol	330																				
2-Methylnaphthalene	330																				
Hexachlorocyclopentadiene	330																				
2,4,6-Trichlorophenol	330																				
2,4,5-Trichlorophenol	800																				
2-Chloronaphthalene	330																				
2-Nitroaniline	800																				
Dimethylphthalate	330																				
Acenaphthylene	330																				
2,6-Dinitrotoluene	330																				
3-Nitroaniline	800																				

Station Location Sample I.D. Date of Collection	CRQL																				
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Acenaphthene	330																				
2,4-Dinitrophenol	800																				
4-Nitrophenol	800																				
Dibenzofuran	330																				
2,4-Dinitrotoluene	330																				
Diethylphthalate	330																				
4-Chlorophenyl-phenyl ether	330																				
Fluorene	330																				
4-Nitroaniline	800																				
4,6-Dinitro-2-methylphenol	800																				
N-Nitrosodiphenylamine	330																				
4-Bromophenyl-phenyl ether	330																				
Hexachlorobenzene	330																				
Pentachlorophenol	800																				
Phenanthrene	330																				
Anthracene	330																				
Carbazole	330																				
Di-n-butylphthalate	330																				
Fluoranthene	330																				
Pyrene	330																				
Butylbenzylphthalate	330																				
3,3'-Dichlorobenzidine	330																				
Benzo(a)anthracene	330																				
Chrysene	330																				
bis(2-Ethylhexyl)phthalate	330																				
Di-n-octylphthalate	330																				
Benzo(b)fluoranthene	330																				
Benzo(k)fluoranthene	330																				
Benzo(a)pyrene	330																				
Indeno(1,2,3-cd)pyrene	330																				
Dibenz(a,h)anthracene	330																				
Benzo(g,h,i)perylene	330																				

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: 21879 Memo #08
Site: Montrose
Lab.: Southwest Laboratory of Oklahoma (SWOK)
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Level Soil Sample for RAS Semivolatiles

Concentration in ug/Kg

Station Location	TLU-7			Method Blank			Method Blank			CRQL											
Sample I.D.	YQ191 D1*			SBLK2			SBLK4														
Date of Collection	04/14/94																				
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	460 U			330 U			330 U			330											
bis(2-Chloroethyl)ether	460 U			330 U			330 U			330											
2-Chlorophenol	460 U			330 U			330 U			330											
1,3-Dichlorobenzene	460 U			330 U			330 U			330											
1,4-Dichlorobenzene	460 U			330 U			330 U			330											
1,2-Dichlorobenzene	460 U			330 U			330 U			330											
2-Methylphenol	460 U			330 U			330 U			330											
2,2'-oxybis(1-Chloropropane)	460 U			330 U	J	D	330 U			330											
4-Methylphenol	460 U			330 U			330 U			330											
N-Nitroso-di-n-propylamine	460 U			330 U			330 U			330											
Hexachloroethane	460 U			330 U			330 U			330											
Nitrobenzene	460 U			330 U			330 U			330											
Isophorone	460 U			330 U			330 U			330											
2-Nitrophenol	460 U			330 U			330 U			330											
2,4-Dimethylphenol	460 U			330 U			330 U			330											
bis(2-Chloroethoxy)methane	460 U			330 U			330 U			330											
2,4-Dichlorophenol	460 U			330 U			330 U			330											
1,2,4-Trichlorobenzene	460 U			330 U			330 U			330											
Naphthalene	460 U			330 U			330 U			330											
4-Chloroaniline	460 U			330 U			330 U			330											
Hexachlorobutadiene	460 U			330 U			330 U			330											
4-Chloro-3-methylphenol	460 U			330 U			330 U			330											
2-Methylnaphthalene	460 U			330 U			330 U			330											
Hexachlorocyclopentadiene	460 U	J	D	330 U	J	D	330 U			330											
2,4,6-Trichlorophenol	460 U	J	D	330 U			330 U			330											
2,4,5-Trichlorophenol	1100 U	J	D	800 U			800 U			800											
2-Chloronaphthalene	460 U			330 U			330 U			330											
2-Nitroaniline	1100 U			800 U			800 U			800											
Dimethylphthalate	460 U			330 U			330 U			330											
Acenaphthylene	44 L	J	A	330 U			330 U			330											
2,6-Dinitrotoluene	460 U			330 U			330 U			330											
3-Nitroaniline	1100 U			800 U			800 U			800											

Station Location	TLU-7			Method Blank			Method Blank			CRQL											
Sample I.D.	YQ191 D1*			SBLK2			SBLK4														
Date of Collection	04/14/94																				
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Acenaphthene	460 U			330 U			330 U			330											
2,4-Dinitrophenol	1100 U			800 U			800 U			800											
4-Nitrophenol	1100 U			800 U			800 U			800											
Dibenzofuran	460 U			330 U			330 U			330											
2,4-Dinitrotoluene	460 U			330 U			330 U			330											
Diethylphthalate	460 U			330 U			330 U			330											
4-Chlorophenyl-phenylether	460 U			330 U			330 U			330											
Fluorene	460 U			330 U			330 U			330											
4-Nitroaniline	1100 U			800 U			800 U			800											
4,6-Dinitro-2-methylphenol	1100 U			800 U			800 U			800											
N-Nitrosodiphenylamine	460 U			330 U			330 U			330											
4-Bromophenyl-phenylether	460 U			330 U			330 U			330											
Hexachlorobenzene	460 U			330 U			330 U			330											
Pentachlorophenol	1100 U			800 U			800 U			800											
Phenanthrene	460 U			330 U			330 U			330											
Anthracene	460 U			330 U			330 U			330											
Carbazole	460 U			330 U			330 U			330											
Di-n-butylphthalate	32 L	J	AE	330 U			330 U			330											
Fluoranthene	110 L	J	A	330 U			330 U			330											
Pyrene	290 L	J	A	330 U			330 U			330											
Butylbenzylphthalate	460 U			330 U			330 U			330											
3,3'-Dichlorobenzidine	460 U			330 U			330 U			330											
Benzo(a)anthracene	50 L	J	A	330 U			330 U			330											
Chrysene	88 L	J	A	330 U			330 U			330											
bis(2-Ethylhexyl)phthalate	460 U	J	B	39 L	J	AB	120 L	J	AB	330											
Di-n-octylphthalate	460 U	J	D	330 U			330 U			330											
Benzo(b)fluoranthene	32 L	J	A	330 U			330 U			330											
Benzo(k)fluoranthene	38 L	J	A	330 U			330 U			330											
Benzo(a)pyrene	53 L	J	A	330 U			330 U			330											
Indeno(1,2,3-cd)pyrene	460 U			330 U			330 U			330											
Dibenz(a,h)anthracene	460 U			330 U			330 U			330											
Benzo(g,h,i)perylene	34 L	J	A	330 U			330 U			330											
Percent Solids	72 %			N/A			N/A			N/A											

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

*Sample YQ190, the field duplicate of sample YQ191, is included in Case 21879 Memo #05, SDG YQ169.

D1,D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	KD-1			KD-2			KD-6			ND-1			ND-2			ND-4			ND-5		
Sample I.D.	SYA929			SYA930 D1			SYA934 D1			SYA936 D2			SYA937			SYA939			SYA940		
Date of Collection	04/11/94			04/11/94			04/11/94			04/12/94			04/12/94			04/12/94			04/12/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	210 U		M	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U		M	3800 U		M
beta-BHC	210 U		M	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U	J	BM	3800 U	J	BM
delta-BHC	210 U		M	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U		M	3800 U		M
gamma-BHC (Lindane)	210 U		KM	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U		M	3800 U		M
Heptachlor	210 U		KM	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U		M	3800 U		M
Aldrin	210 U		KM	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U		M	3800 U		M
Heptachlor epoxide	210 U		M	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U		M	3800 U		M
Endosulfan I	210 U	J	HM	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U	J	HM	3800 U		M
Dieldrin	420 U		KM	420 U		M	430 U		M	10000 U		M	4000 U		M	3800 U		M	7400 U		M
2,4'-DDE	400 L	NJ	CH	420 U		M	430 U		M	10000 U		M	4000 U		M	2700 L	NJ	CH	7400 U		M
4,4'-DDE	3500			970			1100			17000			11000			20000			30000		
Endrin	420 U		KM	420 U		M	430 U		M	10000 U		M	4000 U		M	3800 U		M	7400 U		M
Endosulfan II	420 U		M	420 U		M	430 U		M	10000 U		M	4000 U		M	3800 U		M	7400 U		M
2,4'-DDD	890			400 L	J	C	480			10000 U		JM	4000 U		M	3800 U		M	7400 U		M
4,4'-DDD	3300	NJ	H	1700	NJ	H	2000	NJ	H	6500 L	NJ	CGH	4000 U	J	HM	2300 L	NJ	CGH	7400 U	J	HM
Endosulfan sulfate	420 U		M	420 U		M	430 U		M	10000 U		M	4000 U		M	3800 U		M	7400 U		M
2,4'-DDT	600	NJ	GHK	420 U	J	HM	430 U	J	HM	10000	NJ	GH	6900	NJ	H	10000	NJ	GH	14000	NJ	H
4,4'-DDT	3400	NJ	GK	1800		L	350 L	J	CL	68000			45000			46000			100000	J	I
Methoxychlor	2100 U		M	2200 U		M	2200 U		M	53000 U		M	21000 U		M	20000 U		M	38000 U		M
Endrin ketone	420 U		M	420 U		M	430 U		M	10000 U		M	4000 U		M	3800 U		M	7400 U		M
Endrin aldehyde	420 U		M	420 U		M	430 U		M	10000 U		M	4000 U		M	3800 U		M	7400 U		M
alpha-Chlordane	210 U	J	HM	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U	J	HM	3800 U		M
gamma-Chlordane	210 U		M	220 U		M	220 U		M	5300 U		M	2100 U		M	2000 U	J	HM	3800 U		M
Toxaphene	21000 U		M	22000 U		M	22000 U		M	530000 U		M	210000 U		M	200000 U		M	380000 U		M
Aroclor-1016	4200 U		M	4200 U		M	4300 U		M	100000 U		M	40000 U		M	38000 U		M	74000 U		M
Aroclor-1221	8500 U		M	8600 U		M	8700 U		M	210000 U		M	82000 U		M	78000 U		M	150000 U		M
Aroclor-1232	4200 U		M	4200 U		M	4300 U		M	100000 U		M	40000 U		M	38000 U		M	74000 U		M
Aroclor-1242	4200 U		M	4200 U		M	4300 U		M	100000 U		M	40000 U		M	38000 U		M	74000 U		M
Aroclor-1248	4200 U		M	4200 U		M	4300 U		M	100000 U		M	40000 U		M	38000 U		M	74000 U		M

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

Case No.: R94S12 Memo #09

TABLE 1A

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser

Date: September 21, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location Sample I.D. Date of Collection	KD-1 SYA929 04/11/94			KD-2 SYA930 D1 04/11/94			KD-6 SYA934 D1 04/11/94			ND-1 SYA936 D2 04/12/94			ND-2 SYA937 04/12/94			ND-4 SYA939 04/12/94			ND-5 SYA940 04/12/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aroclor-1254	4200 U		M	4200 U		M	4300 U		M	100000 U		M	40000 U		M	38000 U		M	74000 U		M
Aroclor-1260	4200 U		M	4200 U		M	4300 U		M	100000 U		M	40000 U		M	38000 U		M	74000 U		M
Percent Solids	79 %			78 %			77 %			80 %			82 %			86 %			89 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	ND-6			CS-1			CS-2			CS-3			CS-4			CS-5			CS-6		
Sample I.D.	SYA941 D2			SYA957 D3			SYA958			SYA959			SYA960			SYA961			SYA962 D3		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	2200 U		M	3 U			38 U		M	18 U		M	7			2 U			3 U		
beta-BHC	2200 U		M	3 U	J	B	38 U	J	BM	18 U		M	3 U	J	B	2 U	J	B	3 U		
delta-BHC	2200 U		M	6	NJ	G	38 U		M	18 U		M	7	NJ	G	3	NJ	G	4	NJ	G
gamma-BHC (Lindane)	2200 U		M	5	NJ	G	38 U		M	18 U		M	7	NJ	G	2 U			3 U		
Heptachlor	2200 U		M	3 U			38 U		M	18 U		M	12			2 U			3 U		
Aldrin	2200 U		M	3 U			38 U		M	18 U		M	5	NJ	G	2 U			3 U		
Heptachlor epoxide	2200 U		M	3 U			38 U		M	18 U		M	3 U			2 U			3 U		
Endosulfan I	2200 U	J	HM	3 U	J	H	38 U	J	HM	18 U	J	HM	5	NJ	H	2 U	J	H	3 U	J	H
Dieldrin	4300 U	J	HM	12	NJ	EFGH	73 U	J	HM	34 U	J	HM	10	NJ	GH	7	NJ	GH	6 U		
2,4'-DDE	2400 L	NJ	CH	5 U	J	EFH	73 U	J	HM	41	NJ	H	8	NJ	GH	6	NJ	H	6 U	J	H
4,4'-DDE	21000			65	NJ	EFGL	260			190			27	NJ	G	34	NJ	G	32	NJ	GL
Endrin	4300 U		M	6	NJ	EFG	73 U		M	34 U		M	5 U			5 U			4 L	NJ	CG
Endosulfan II	4300 U		M	21	NJ	EFG	73 U		M	34 U		M	5 U			5 U			5 L	J	C
2,4'-DDD	4100 L	NJ	CH	28	NJ	EFGH	120	NJ	GH	47	NJ	GH	19	NJ	GH	15	NJ	GH	6 U		
4,4'-DDD	7500	NJ	GH	52	NJ	EFGHL	330	NJ	H	140	NJ	H	32	NJ	GH	37	NJ	GH	28	NJ	GHL
Endosulfan sulfate	4300 U		M	5 U	J	EF	73 U		M	34 U		M	5 U			5 U			6 U		
2,4'-DDT	13000	NJ	GH	5 U	J	EFH	92	NJ	GH	34 U	J	HM	5 U	J	H	5 U	J	H	4 L	NJ	CGH
4,4'-DDT	55000	NJ	GI	19	NJ	EFGL	68 L	NJ	CG	62	NJ	G	22	NJ	G	4 L	NJ	CG	11	NJ	GL
Methoxychlor	22000 U		M	120 U	J	DEF	380 U		M	180 U	J	DM	27 U			85 U	J	AD	66 U	J	D
Endrin ketone	4300 U		M	11	NJ	EFG	73 U		M	34 U		M	11			5 U			6 U		
Endrin aldehyde	4300 U		M	10	NJ	EFG	73 U		M	34 U		M	5 U			6	NJ	G	6 U		
alpha-Chlordane	2200 U	J	HM	9	NJ	EFGHL	190	NJ	GH	22	NJ	H	5	NJ	GH	3	NJ	GH	5	NJ	GHL
gamma-Chlordane	2200 U	J	HM	11	NJ	EFGH	180	NJ	GH	18 U	J	HM	6	NJ	GH	8	NJ	GH	8	NJ	G
Toxaphene	220000 U		M	270 U	J	EF	3800 U		M	1800 U		M	270 U			240 U			300 U		
Aroclor-1016	43000 U		M	53 U			730 U		M	340 U		M	52 U			47 U			58 U		
Aroclor-1221	87000 U		M	110 U			1500 U		M	700 U		M	110 U			95 U			120 U		
Aroclor-1232	43000 U		M	53 U			730 U		M	340 U		M	52 U			47 U			58 U		
Aroclor-1242	43000 U		M	53 U			730 U		M	340 U		M	52 U			47 U			58 U		
Aroclor-1248	43000 U		M	53 U	J	EF	730 U		M	340 U		M	52 U			47 U			58 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] A[redacted]TICA[redacted]SULT[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Pa[redacted] of [redacted] [redacted]

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

TABLE 1A

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	ND-6			CS-1			CS-2			CS-3			CS-4			CS-5			CS-6		
Sample I.D.	SYA941 D2			SYA957 D3			SYA958			SYA959			SYA960			SYA961			SYA962 D3		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aroclor-1254	43000 U		M	53 U	J	EF	730 U		M	340 U		M	52 U			47 U			58 U		
Aroclor-1260	43000 U		M	53 U	J	EF	730 U		M	340 U		M	52 U			47 U			58 U		
Percent Solids	77 %			62 %			45 %			48 %			63 %			70 %			57 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC1-1			DC1-2			TLL-2			TLL-3			TLL-5			TLL-6			Method Blank		
Sample I.D.	SYA976			SYA977			SYA988			SYA989			SYA991			SYA992 D4			PBLK1		
Date of Collection	04/13/94			04/13/94			04/13/94			04/13/94			04/13/94			04/13/94					
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	2 U			3 U			3	NJ	G	2 U			2 U			2 U			2 U		
beta-BHC	2 U			3 U			2 U			2 U			2 U			12	NJ	G	2 U		
delta-BHC	2 U			61			2 U			2 U			2 U			2 U			2 U		
gamma-BHC (Lindane)	2 U			3 U			2 U			2 U			2 U			2 U			2 U		
Heptachlor	2 U			3 U			14	NJ	G	2 U			2 U			2 U			2 U		
Aldrin	2 U			3 U			14			2 U			2 U			2 U			2 U		
Heptachlor epoxide	2 U			3 U			4	NJ	G	2 U			2 U			2 U			2 U		
Endosulfan I	2 U	J	H	3 U	J	H	2 U	J	H	2 U	J	H	5	NJ	H	2 U	J	H	2 U		
Dieldrin	4 U			17	NJ	G	4 U			4 U			4 U			5 U	J	EF	3 U		
2,4'-DDE	4 U	J	H	18	NJ	G	4 U	J	H	4 U	J	H	6	NJ	H	5 U	J	EFH	3 U		
4,4'-DDE	6			60	NJ	G	27	NJ	G	35			30	NJ	G	27	NJ	EFGL	3 U		
Endrin	4 U			10	NJ	G	7	NJ	G	4 U			4 U			5	NJ	EFG	3 U		
Endosulfan II	4 U			5 U			4 U			4 U			4 U			5 U	J	EF	3 U		
2,4'-DDD	2 L	J	C	38	NJ	G	8	NJ	G	15			14			13	J	EFL	3 U		
4,4'-DDD	3 L	NJ	CGH	160	NJ	GHI	62	NJ	GHI	39	NJ	GH	43	NJ	GH	40	NJ	EFGHL	3 U		
Endosulfan sulfate	4 U			5 U			4 U			4 U			4 U			5 U	J	EF	3 U		
2,4'-DDT	4 U	J	H	30	NJ	GH	6	NJ	GH	5	NJ	GH	6	NJ	GH	5 U	J	EFH	3 U		
4,4'-DDT	6	NJ	G	190	NJ	GI	42	NJ	G	22	NJ	G	19	NJ	G	20	NJ	EFGL	3 U		
Methoxychlor	34 U	J	D	39 U	J	D	22 U			22 U			55 U	J	D	24 U	J	DEF	42		D
Endrin ketone	4 U			6	NJ	G	4 U			4 U			4 U			6	J	EF	3 U		
Endrin aldehyde	4 U			5 U			4 U			4 U			4 U			5 U	J	EF	3 U		
alpha-Chlordane	5	NJ	GH	34	NJ	GH	7	NJ	GH	5	NJ	H	4	NJ	GH	7	NJ	EFGH	2 U		
gamma-Chlordane	6	NJ	G	46	NJ	G	15	NJ	G	8	NJ	G	8	NJ	G	11	NJ	EFGL	2 U		
Toxaphene	210 U			280 U			220 U			220 U			230 U			240 U	J	EF	170 U		
Aroclor-1016	41 U			54 U			42 U			43 U			44 U			47 U			33 U		
Aroclor-1221	82 U			110 U			85 U			88 U			89 U			96 U			67 U		
Aroclor-1232	41 U			54 U			42 U			43 U			44 U			47 U			33 U		
Aroclor-1242	41 U			54 U			42 U			43 U			44 U			47 U			33 U		
Aroclor-1248	41 U			54 U			42 U			43 U			44 U			47 U	J	EF	33 U		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] A[redacted]TIC[redacted]SUL[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Pa[redacted] of [redacted] [redacted]

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

TABLE 1A

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC1-1			DC1-2			TLL-2			TLL-3			TLL-5			TLL-6			Method Blank		
Sample I.D.	SYA976			SYA977			SYA988			SYA989			SYA991			SYA992 D4			PBLK1		
Date of Collection	04/13/94			04/13/94			04/13/94			04/13/94			04/13/94			04/13/94					
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aroclor-1254	41 U			54 U			42 U			43 U			44 U			47 U	J	EF	33 U		
Aroclor-1260	41 U			54 U			42 U			43 U			44 U			47 U	J	EF	33 U		
Percent Solids	81 %			61 %			79 %			76 %			75 %			70 %			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Sample I.D.	CRQL																				
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	2																				
beta-BHC	2																				
delta-BHC	2																				
gamma-BHC (Lindane)	2																				
Heptachlor	2																				
Aldrin	2																				
Heptachlor epoxide	2																				
Endosulfan I	2																				
Dieldrin	3																				
2,4'-DDE	3																				
4,4'-DDE	3																				
Endrin	3																				
Endosulfan II	3																				
2,4'-DDD	3																				
4,4'-DDD	3																				
Endosulfan sulfate	3																				
2,4'-DDT	3																				
4,4'-DDT	3																				
Methoxychlor	17																				
Endrin ketone	3																				
Endrin aldehyde	3																				
alpha-Chlordane	2																				
gamma-Chlordane	2																				
Toxaphene	170																				
Aroclor-1016	33																				
Aroclor-1221	67																				
Aroclor-1232	33																				
Aroclor-1242	33																				
Aroclor-1248	33																				

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

Case No.: R94S12 Memo #09
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

TABLE 1A

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Sample I.D.	CRQL																					
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aroclor-1254	33																				
Aroclor-1260	33																				

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #10
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: August 10, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC1-3			DC1-4			DC1-5			DC1-6			DC2-1		
Sample I.D.	SYA978			SYA979 D1			SYA980			SYA981 D1			SYA982		
Date of Collection	04/13/94			04/13/94			04/13/94			04/13/94			04/13/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
beta-BHC	14 U	J	FL	21 U	J	FL	14 U	J	FL	18 U	J	FL	15 U	J	FL
delta-BHC	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
gamma-BHC (Lindane)	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
Heptachlor	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
Aldrin	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
Heptachlor epoxide	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
Endosulfan I	14 U		L	21 U		L	14 U		L	18 U		L	15 U		L
Dieldrin	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
2,4'-DDE	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
4,4'-DDE	22 L	NJ	EG	59			82			56			120		
Endrin	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
Endosulfan II	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
2,4'-DDD	27 U		L	41 U		L	18 L	NJ	EG	35 U		HL	45	NJ	G
4,4'-DDD	32	NJ	I	52	NJ	I	61	NJ	I	48	NJ	I	91	NJ	GI
Endosulfan sulfate	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
2,4'-DDT	27 U	J	IL	41 U	J	IL	28 U	J	IL	35 U	J	IL	160	NJ	GI
4,4'-DDT	27 U		L	41 U		L	24 L	NJ	EG	35 U		L	200	NJ	G
Methoxychlor	140 U		L	210 U		L	140 U		L	180 U		L	150 U		L
Endrin ketone	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
Endrin aldehyde	27 U		L	41 U		L	28 U		L	35 U		L	29 U		L
alpha-Chlordane	7 L	NJ	EG	16 L	NJ	EG	14	NJ	G	14 L	J	E	21	NJ	G
gamma-Chlordane	11 L	NJ	EG	22	NJ	G	20	NJ	G	20	NJ	G	27	NJ	G
Toxaphene	1400 U		L	2100 U		L	1400 U		L	1800 U		L	1500 U		L
Aroclor-1016	270 U		L	410 U		L	280 U		L	350 U		L	290 U		L
Aroclor-1221	540 U		L	830 U		L	570 U		L	710 U		L	600 U		L
Aroclor-1232	270 U		L	410 U		L	280 U		L	350 U		L	290 U		L
Aroclor-1242	270 U		L	410 U		L	280 U		L	350 U		L	290 U		L
Aroclor-1248	270 U		L	410 U		L	280 U		L	350 U		L	290 U		L
Aroclor-1254	270 U		L	410 U		L	280 U		L	350 U		L	290 U		L
Aroclor-1260	270 U		L	410 U		L	280 U		L	350 U		L	290 U		L
Percent Solids	62 %			40 %			59 %			47 %			56 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #10
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: August 10, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC2-2			DC2-3			DC2-4			DC2-5			TLL-1		
Sample I.D.	SYA983			SYA984			SYA985			SYA986			SYA987 D2		
Date of Collection	04/14/94			04/14/94			04/14/94			04/14/94			04/13/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
beta-BHC	16 U	J	FL	26 U	J	FL	18 U	J	FL	13 U	J	FL	12 U	J	FL
delta-BHC	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
gamma-BHC (Lindane)	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
Heptachlor	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
Aldrin	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
Heptachlor epoxide	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
Endosulfan I	16 U		L	26 U		L	18 U		L	13 U		L	12 U		L
Dieldrin	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
2,4'-DDE	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
4,4'-DDE	82	J	D	140			130			80			67		K
Endrin	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
Endosulfan II	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
2,4'-DDD	17 L	NJ	DEG	41 L	NJ	EG	34 L	NJ	EG	17 L	NJ	EG	32	NJ	GK
4,4'-DDD	58	NJ	DI	130	NJ	I	99	NJ	I	58	NJ	I	97	NJ	IK
Endosulfan sulfate	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
2,4'-DDT	31 U	J	IL	51 U	J	IL	35 U	J	IL	26 U	J	IL	24 U	J	IL
4,4'-DDT	16 L	NJ	DEG	520			83	NJ	G	34	NJ	G	56	NJ	GK
Methoxychlor	160 U		L	260 U		L	180 U		L	130 U		L	130 U		L
Endrin ketone	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
Endrin aldehyde	31 U		L	51 U		L	35 U		L	26 U		L	24 U		L
alpha-Chlordane	10 L	NJ	DEG	26 U		L	15 L	J	E	10 L	NJ	EG	13		
gamma-Chlordane	15 L	NJ	DEG	23 L	NJ	EG	18 U		L	14	NJ	G	24		K
Toxaphene	1600 U		L	2600 U		L	1800 U		L	1300 U		L	1200 U		L
Aroclor-1016	310 U		L	510 U		L	350 U		L	260 U		L	240 U		L
Aroclor-1221	630 U		L	1000 U		L	710 U		L	530 U		L	490 U		L
Aroclor-1232	310 U		L	510 U		L	350 U		L	260 U		L	240 U		L
Aroclor-1242	310 U		L	510 U		L	350 U		L	260 U		L	240 U		L
Aroclor-1248	310 U		L	510 U		L	350 U		L	260 U		L	240 U		L
Aroclor-1254	310 U		L	510 U		L	350 U		L	260 U		L	240 U		L
Aroclor-1260	310 U		L	510 U		L	350 U		L	260 U		L	240 U		L
Percent Solids	53 %			64 %			47 %			63 %			68 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #10
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: August 10, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	TLL-4			TLU-1			TLU-7			DC3-1			DC3-2		
Sample I.D.	SYA990			SYB008			SYB014			SYB029			SYB030		
Date of Collection	04/13/94			04/14/94			04/14/94			04/14/94			04/14/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	10 U		L	11 U	R	AL	11 U		L	18 U		L	17 U		L
beta-BHC	10 U	J	FL	11 U	R	AFL	11 U	J	FL	18 U	J	FL	17 U	J	FL
delta-BHC	10 U		L	11 U	R	AL	11 U		L	11 L	NJ	EG	17 U		L
gamma-BHC (Lindane)	10 U		L	11 U	R	AL	11 U		L	18 U		L	17 U		L
Heptachlor	10 U		L	11 U	R	AL	11 U		L	18 U		JL	17 U		L
Aldrin	10 U		L	11 U	R	AL	11 U		L	18 U		L	17 U		L
Heptachlor epoxide	10 U		L	11 U	R	AL	11 U		L	18 U		L	17 U		L
Endosulfan I	10 U		L	11 U	R	AL	11 U		L	18 U		L	17 U		L
Dieldrin	20 U		L	22 U	R	AL	22 U		L	36 U		JL	32 U		L
2,4'-DDE	20 U		L	22 U	R	AL	14 L	NJ	EG	36 U		L	32 U		L
4,4'-DDE	19 L	J	E	44	J	C	78			140			94		
Endrin	20 U		L	22 U	R	AL	22 U		L	36 U		JL	32 U		L
Endosulfan II	20 U		L	22 U	R	AL	22 U		L	36 U		L	32 U		L
2,4'-DDD	20 U		L	18 L	NJ	CEG	42			37	NJ	G	24 L	NJ	EG
4,4'-DDD	31	NJ	I	34	NJ	CI	44	NJ	I	120	NJ	I	73	NJ	I
Endosulfan sulfate	20 U		L	22 U	R	AL	22 U		L	36 U		L	32 U		L
2,4'-DDT	20 U	J	IL	22 U	R	AIL	22 U	J	IL	36 U	J	IJL	32 U	J	IL
4,4'-DDT	20 U		L	14 L	NJ	CEG	16 L	NJ	EG	34 L	NJ	EGJ	30 L	NJ	EG
Methoxychlor	100 U		L	110 U	R	AL	110 U		L	180 U		L	170 U		L
Endrin ketone	20 U		L	22 U	R	AL	22 U		L	36 U		L	32 U		L
Endrin aldehyde	20 U		L	22 U	R	AL	22 U		L	36 U		L	32 U		L
alpha-Chlordane	10 U		L	11 U	R	AL	11 U		L	11 L	NJ	EG	12 L	NJ	EG
gamma-Chlordane	10 U		L	11 U	R	AL	11 U		L	31	NJ	G	17	NJ	G
Toxaphene	1000 U		L	1100 U	R	AL	1100 U		L	1800 U		L	1700 U		L
Aroclor-1016	200 U		L	220 U	R	AL	220 U		L	360 U		L	320 U		L
Aroclor-1221	410 U		L	440 U	R	AL	450 U		L	730 U		L	650 U		L
Aroclor-1232	200 U		L	220 U	R	AL	220 U		L	360 U		L	320 U		L
Aroclor-1242	200 U		L	220 U	R	AL	220 U		L	360 U		L	320 U		L
Aroclor-1248	200 U		L	220 U	R	AL	220 U		L	360 U		L	320 U		L
Aroclor-1254	200 U		L	220 U	R	AL	220 U		L	360 U		L	320 U		L
Aroclor-1260	200 U		L	220 U	R	AL	220 U		L	360 U		L	320 U		L
Percent Solids	82 %			76 %			73 %			46 %			51 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #10
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: August 10, 1994

Analysis Type: Low Level Soil
Samples for SAS
Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC3-5			DC4-1			DC4-4			DC4-5			DC4-6		
Sample I.D.	SYB033			SYB034			SYB037			SYB038			SYB039		
Date of Collection	04/14/94			04/14/94			04/15/94			04/15/94			04/15/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
beta-BHC	15 U	J	FL	2 U	J	F	12 U	J	CDFL	2 U	J	CDF	12 U	J	FL
delta-BHC	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
gamma-BHC (Lindane)	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
Heptachlor	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
Aldrin	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
Heptachlor epoxide	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
Endosulfan I	15 U		L	2 U			12 U	J	CDL	2 U	J	CD	12 U		L
Dieldrin	29 U		L	4 U			23 U	R	ABL	5 U	R	AB	23 U		L
2,4'-DDE	29 U		L	4 U			23 U	R	ABL	5 U	R	AB	23 U		L
4,4'-DDE	130			24			23 U	R	ABL	11	J	CD	68		
Endrin	29 U		L	2 L	NJ	EG	23 U	R	ABL	5 U	R	AB	23 U		L
Endosulfan II	29 U		L	2 L	NJ	EG	23 U	R	ABL	5 U	R	AB	23 U		L
2,4'-DDD	37	NJ	G	7	NJ	G	23 U	R	ABL	4 L	NJ	CDEG	23	NJ	G
4,4'-DDD	100	NJ	GI	19	NJ	GI	23 U	R	ABL	12	NJ	CDI	45	NJ	GI
Endosulfan sulfate	29 U		L	4 U			23 U	R	ABL	5 U	R	AB	23 U		L
2,4'-DDT	29 U	J	IL	2 L	NJ	EGI	23 U	R	ABL	5 U	R	ABI	23 U	J	IL
4,4'-DDT	60	NJ	G	17	NJ	G	37	NJ	CDG	9	NJ	CDG	62	NJ	G
Methoxychlor	150 U		L	22 U			120 U	R	ABL	24 U	R	AB	120 U		L
Endrin ketone	29 U		L	4 U			23 U	R	ABL	4 L	NJ	CDEG	23 U		L
Endrin aldehyde	29 U		L	4 U			23 U	R	ABL	5 U	R	AB	23 U		L
alpha-Chlordane	17	NJ	G	2 L	NJ	EG	12 U	R	ABL	2	J	CD	14		
gamma-Chlordane	25	NJ	G	5	NJ	G	6 L	NJ	CDEG	3	NJ	CDG	16	NJ	G
Toxaphene	1500 U		L	220 U			1200 U	R	ABL	240 U	R	AB	1200 U		L
Aroclor-1016	290 U		L	42 U			230 U	J	CDL	46 U	J	CD	230 U		L
Aroclor-1221	600 U		L	86 U			470 U	J	CDL	93 U	J	CD	460 U		L
Aroclor-1232	290 U		L	42 U			230 U	J	CDL	46 U	J	CD	230 U		L
Aroclor-1242	290 U		L	42 U			230 U	J	CDL	46 U	J	CD	230 U		L
Aroclor-1248	290 U		L	42 U			230 U	R	ABL	46 U	R	AB	230 U		L
Aroclor-1254	290 U		L	42 U			230 U	R	ABL	46 U	R	AB	230 U		L
Aroclor-1260	290 U		L	42 U			230 U	R	ABL	46 U	R	AB	230 U		L
Percent Solids	56 %			78 %			72 %			72 %			73 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #10
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: August 10, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Sample I.D.	Method Blank PBLK			CRQL											
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	2 U			2											
beta-BHC	2 U	J	F	2											
delta-BHC	2 U			2											
gamma-BHC (Lindane)	2 U			2											
Heptachlor	2 U			2											
Aldrin	2 U			2											
Heptachlor epoxide	2 U			2											
Endosulfan I	2 U			2											
Dieldrin	3 U			3											
2,4'-DDE	3 U			3											
4,4'-DDE	3 U			3											
Endrin	3 U			3											
Endosulfan II	3 U			3											
2,4'-DDD	3 U			3											
4,4'-DDD	3 U			3											
Endosulfan sulfate	3 U			3											
2,4'-DDT	3 U			3											
4,4'-DDT	3 U			3											
Methoxychlor	17 U			17											
Endrin ketone	3 U			3											
Endrin aldehyde	3 U			3											
alpha-Chlordane	2 U			2											
gamma-Chlordane	2 U			2											
Toxaphene	170 U			170											
Aroclor-1016	33 U			33											
Aroclor-1221	67 U			67											
Aroclor-1232	33 U			33											
Aroclor-1242	33 U			33											
Aroclor-1248	33 U			33											
Aroclor-1254	33 U			33											
Aroclor-1260	33 U			33											
Percent Solids	NA														

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #14
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 13, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	BDCE-1			BDCE-2			BDCE-3			BDCW-1			BDCW-2		
Sample I.D.	SYA924			SYA925			SYA931			SYA932			SYA933		
Date of Collection	04/16/94			04/16/94			04/16/94			04/16/94			04/16/94		
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	3 U	J	C	3 U	J	C	3 U	J	C	28 U	J	CG	310 U	J	CG
beta-BHC	3 U	J	BC	3 U	J	BC	3 U	J	BC	28 U	J	BCG	310 U	J	BCG
delta-BHC	3 U	J	C	3 U	J	C	3 U	J	C	28 U	J	CG	310 U	J	CG
gamma-BHC (Lindane)	3 U	J	C	3 U	J	C	3 U	J	C	28 U	J	CG	310 U	J	CG
Heptachlor	3 U	J	C	3 U	J	C	3 U	J	C	28 U	J	CG	310 U	J	CG
Aldrin	3 U	J	C	3 U	J	C	3 U	J	C	28 U	J	CG	310 U	J	CG
Heptachlor epoxide	3 U	J	C	3 U	J	C	3 U	J	C	28 U	J	CG	310 U	J	CG
Endosulfan I	3 U	J	CF	3 U	J	CF	3 U	J	CF	28 U	J	CG	310 U	J	CG
Dieldrin	5 U	J	CD	6 U	J	CD	6 U	J	CD	55 U	J	CG	600 U	J	CG
2,4'-DDE	13	NJ	CDF	6	NJ	CDEF	7 L	NJ	ACDEF	55 U	J	CG	600 U	J	CG
4,4'-DDE	68	J	CD	62	J	CD	87	J	CD	110	NJ	CE	370 L	J	AC
Endrin	5 U	J	CD	6 U	J	CD	6 L	NJ	ACDE	55 U	J	CG	600 U	J	CG
Endosulfan II	5 U	J	CD	4 L	NJ	ACDE	6 U	J	CD	55 U	J	CG	600 U	J	CG
2,4'-DDD	30	J	CD	15	NJ	CDE	22	J	CD	46 L	NJ	ACE	190 L	J	AC
4,4'-DDD	75	NJ	CDF	51	NJ	CDF	38	NJ	CDF	320	NJ	CF	870	NJ	CF
Endosulfan sulfate	5 U	J	CD	6 U	J	CD	6 U	J	CD	55 U	J	CG	600 U	J	CG
2,4'-DDT	11	NJ	CDEF	6 U	J	CDF	16	NJ	CDEF	100	NJ	CEF	600 U	J	CFG
4,4'-DDT	7	J	CD	10	NJ	CDE	33	NJ	CDE	55 U	J	CG	2400	J	C
Methoxychlor	26 U	J	CD	30 U	J	CD	29 U	J	CD	280 U	J	CG	3100 U	J	CG
Endrin ketone	5 U	J	CD	6 U	J	CD	6 U	J	CD	55 U	J	CG	600 U	J	CG
Endrin aldehyde	5 L	J	ACD	6 U	J	CD	6	NJ	CDE	55 U	J	CG	600 U	J	CG
alpha-Chlordane	14	J	CD	14	J	CD	18	J	CD	21 L	J	AC	310 U	J	CG
gamma-Chlordane	17	NJ	CDE	16	J	CD	15	J	CD	26 L	J	AC	310 U	J	CG
Toxaphene	260 U	J	CD	300 U	J	CD	290 U	J	CD	2800 U	J	CG	31000 U	J	CG
Aroclor-1016	50 U	J	C	58 U	J	C	56 U	J	C	550 U	J	CG	6000 U	J	CG
Aroclor-1221	100 U	J	C	120 U	J	C	110 U	J	C	1100 U	J	CG	12000 U	J	CG
Aroclor-1232	50 U	J	C	58 U	J	C	56 U	J	C	550 U	J	CG	6000 U	J	CG
Aroclor-1242	50 U	J	C	58 U	J	C	56 U	J	C	550 U	J	CG	6000 U	J	CG
Aroclor-1248	50 U	J	CD	58 U	J	CD	56 U	J	CD	550 U	J	CG	6000 U	J	CG
Aroclor-1254	50 U	J	CD	58 U	J	CD	56 U	J	CD	550 U	J	CG	6000 U	J	CG
Aroclor-1260	50 U	J	CD	58 U	J	CD	56 U	J	CD	550 U	J	CG	6000 U	J	CG
Percent Solids	66 %			57 %			59 %			60 %			55 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #14
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 13, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	TLU-2			TLU-3			TLU-4			TLU-5			TLU-6		
Sample I.D.	SYB009			SYB010			SYB011			SYB012			SYB013		
Date of Collection	04/14/94			04/14/94			04/14/94			04/15/94			04/15/94		
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C
beta-BHC	2 U	J	BC	2 U	J	BC	2 U	J	BC	2 U	J	BC	2 U	J	BC
delta-BHC	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C
gamma-BHC (Lindane)	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C
Heptachlor	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C
Aldrin	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C
Heptachlor epoxide	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C	2 U	J	C
Endosulfan I	2 U	J	C	2 U	J	CF	2 U	J	C	2 U	J	C	2 U	J	C
Dieldrin	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD
2,4'-DDE	4 U	J	CD	3 L	NJ	ACDF	4 U	J	CD	4 U	J	CD	4 U	J	CD
4,4'-DDE	9	J	CD	18	J	CD	6	NJ	CDE	7	J	CD	13	J	CD
Endrin	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD
Endosulfan II	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD
2,4'-DDD	4 L	J	ACD	8	J	CD	3 L	J	ACD	3 L	J	ACD	5	J	CD
4,4'-DDD	9	NJ	CDEF	23	NJ	CDF	8	NJ	CDEF	10	NJ	CDF	16	NJ	CDF
Endosulfan sulfate	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD
2,4'-DDT	4 U	J	CDF	4 U	J	CDF	4 U	J	CDF	4 U	J	CDF	4 U	J	CDF
4,4'-DDT	2 L	NJ	ACDE	4 U	J	CD	2 L	NJ	ACDE	4 U	J	CD	3 L	NJ	ABCDE
Methoxychlor	22 U	J	CD	22 U	J	CD	20 U	J	CD	19 U	J	CD	22 U	J	CD
Endrin ketone	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD
Endrin aldehyde	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD	4 U	J	CD
alpha-Chlordane	2 L	NJ	ACDE	3	J	CD	1 L	NJ	ACDE	1 L	J	ACD	2	NJ	CDE
gamma-Chlordane	2 L	J	ACD	4	NJ	CDE	2 L	J	ACD	1 L	J	ACD	3	J	CD
Toxaphene	220 U	J	CD	220 U	J	CD	200 U	J	CD	190 U	J	CD	220 U	J	CD
Aroclor-1016	42 U	J	C	42 U	J	C	38 U	J	C	37 U	J	C	42 U	J	C
Aroclor-1221	86 U	J	C	85 U	J	C	78 U	J	C	74 U	J	C	86 U	J	C
Aroclor-1232	42 U	J	C	42 U	J	C	38 U	J	C	37 U	J	C	42 U	J	C
Aroclor-1242	42 U	J	C	42 U	J	C	38 U	J	C	37 U	J	C	42 U	J	C
Aroclor-1248	42 U	J	CD	42 U	J	CD	38 U	J	CD	37 U	J	CD	42 U	J	CD
Aroclor-1254	42 U	J	CD	42 U	J	CD	38 U	J	CD	37 U	J	CD	42 U	J	CD
Aroclor-1260	42 U	J	CD	42 U	J	CD	38 U	J	CD	37 U	J	CD	42 U	J	CD
Percent Solids	78 %			79 %			86 %			90 %			78 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #14
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 13, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC3-3			DC3-4			DC4-2			DC4-3			TLU-8		
Sample I.D.	SYB031			SYB032			SYB035			SYB036			SYB049		
Date of Collection	04/14/94			04/14/94			04/15/94			04/15/94			04/15/94		
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	4 U	J	C	3 U	J	C	3 U	J	C	2 U	J	C	2 U	J	C
beta-BHC	4 U	J	C	3 U	J	C	3 U	J	C	2 U	J	C	2 U	J	C
delta-BHC	4 U	J	C	4	J	C	3 U	J	C	2 U	J	C	2 U	J	C
gamma-BHC (Lindane)	4 U	J	C	3 U	J	C	3 U	J	C	2 U	J	C	2 U	J	C
Heptachlor	4 U	J	C	3 U	J	C	3 U	J	C	2 U	J	C	2 U	J	C
Aldrin	4 U	J	C	3 U	J	C	3 U	J	C	2 U	J	C	2 U	J	C
Heptachlor epoxide	4 U	J	C	3 U	J	C	3 U	J	C	2 U	J	C	2 U	J	C
Endosulfan I	4 U	J	CF	3 U	J	CF	3 U	J	CF	2 U	J	C	2 U	J	C
Dieldrin	8 L	NJ	ACDE	6 U	J	CD	6 U	J	CD	5 U	J	CD	4 U	J	CD
2,4'-DDE	12	NJ	CDEF	8	NJ	CDEF	11	NJ	CDEF	5 U	J	CD	4 U	J	CD
4,4'-DDE	110	NJ	CDE	54	NJ	CDE	77	NJ	CDE	9	J	CD	36	J	CD
Endrin	8 U	J	CD	6 U	J	CD	6 U	J	CD	5 U	J	CD	4 U	J	CD
Endosulfan II	8 U	J	CD	6 U	J	CD	4 L	NJ	ACDE	5 U	J	CD	4 U	J	CD
2,4'-DDD	44	J	CD	17	NJ	CDE	26	J	CD	3 L	J	ACD	11	J	CD
4,4'-DDD	120	NJ	CDEF	49	NJ	CDEF	88	NJ	CDEF	7	NJ	CDF	38	NJ	CDF
Endosulfan sulfate	8 U	J	CD	6 U	J	CD	6 U	J	CD	5 U	J	CD	4 U	J	CD
2,4'-DDT	18	NJ	CDEF	6	NJ	CDEF	9	NJ	CDEF	5 U	J	CDF	21	NJ	CDEF
4,4'-DDT	76	J	CD	4	NJ	CDE	6	NJ	CDE	4 L	NJ	ABCDE	53	NJ	CDE
Methoxychlor	44 U	J	CD	30 U	J	CD	30 U	J	CD	25 U	J	CD	20 U	J	CD
Endrin ketone	8 U	J	CD	6 U	J	CD	6 U	J	CD	5 U	J	CD	4 U	J	CD
Endrin aldehyde	9	J	CD	6 U	J	CD	6 U	J	CD	5 U	J	CD	4 U	J	CD
alpha-Chlordane	24	NJ	CDE	13	J	CD	17	NJ	CDE	3	NJ	CDE	10	J	CD
gamma-Chlordane	34	NJ	CDE	19	J	CD	23	NJ	CDE	4	J	CD	9	J	CD
Toxaphene	440 U	J	CD	300 U	J	CD	300 U	J	CD	250 U	J	CD	200 U	J	CD
Aroclor-1016	85 U	J	C	58 U	J	C	58 U	J	C	48 U	J	C	39 U	J	C
Aroclor-1221	170 U	J	C	120 U	J	C	120 U	J	C	97 U	J	C	80 U	J	C
Aroclor-1232	85 U	J	C	58 U	J	C	58 U	J	C	48 U	J	C	39 U	J	C
Aroclor-1242	85 U	J	C	58 U	J	C	58 U	J	C	48 U	J	C	39 U	J	C
Aroclor-1248	85 U	J	CD	58 U	J	CD	58 U	J	CD	48 U	J	CD	39 U	J	CD
Aroclor-1254	85 U	J	CD	58 U	J	CD	58 U	J	CD	48 U	J	CD	39 U	J	CD
Aroclor-1260	85 U	J	CD	58 U	J	CD	58 U	J	CD	48 U	J	CD	39 U	J	CD
Percent Solids	39 %			57 %			57 %			69 %			84 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #14
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 13, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	TLU-9			TLL-7			TLL-8			BDCW-3			Method Blank		
Sample I.D.	SYB050			SYB051			SYB052			SYB053			PBLK1		
Date of Collection	04/15/94			04/15/94			04/15/94			04/16/94					
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	3 U	J	C	2 U	J	C	7 U	J	CG	3 U	J	C	2 U		
beta-BHC	3 U	J	C	2 U	J	C	7 U	J	BCG	3 U	J	C	2 U	J	B
delta-BHC	4	NJ	CE	2 U	J	C	7 U	J	CG	3 U	J	C	2 U		
gamma-BHC (Lindane)	3 U	J	C	2 U	J	C	7 U	J	CG	3 U	J	C	2 U		
Heptachlor	3 U	J	C	2 U	J	C	7 U	J	CG	3 U	J	C	2 U		
Aldrin	3 U	J	C	2 U	J	C	7 U	J	CG	3 U	J	C	2 U		
Heptachlor epoxide	3 U	J	C	2 U	J	C	7 U	J	CG	3 U	J	C	2 U		
Endosulfan I	3 U	J	C	2 U	J	CF	7 U	J	CFG	3 U	J	CF	2 U		
Dieldrin	6	J	CD	5 U	J	CD	14 U	J	CDG	7	NJ	CDE	3 U		
2,4'-DDE	5 U	J	CD	6	NJ	CDEF	8 L	NJ	ACDEF	7	NJ	CDEF	3 U		
4,4'-DDE	66	NJ	CDE	38	NJ	CDE	79	J	CD	59	NJ	CDE	3 U		
Endrin	5 U	J	CD	5 U	J	CD	14 U	J	CDG	6 U	J	CD	3 U		
Endosulfan II	5 U	J	CD	5 U	J	CD	14 U	J	CDG	6 U	J	CD	3 U		
2,4'-DDD	27	NJ	CDE	16	J	CD	16	J	CD	23	J	CD	3 U		
4,4'-DDD	75	NJ	CDEF	45	NJ	CDEF	68	NJ	CDF	62	NJ	CDEF	3 U		
Endosulfan sulfate	5 U	J	CD	5 U	J	CD	14 U	J	CDG	6 U	J	CD	3 U		
2,4'-DDT	16	NJ	CDEF	6	NJ	CDEF	10 L	NJ	ACDEF	8	NJ	CDEF	3 U		
4,4'-DDT	44	J	CD	16	J	CD	43	J	BCD	12	NJ	CDE	3 U		
Methoxychlor	27 U	J	CD	25 U	J	CD	72 U	J	CDG	30 U	J	CD	17 U		
Endrin ketone	5 U	J	CD	5 U	J	CD	14 U	J	CDG	6 U	J	CD	3 U		
Endrin aldehyde	5 U	J	CD	5 U	J	CD	14 U	J	CDG	6 U	J	CD	3 U		
alpha-Chlordane	12	J	CD	6	NJ	CDE	15	J	CD	22	J	CD	2 U		
gamma-Chlordane	13	J	CD	7	J	CD	16	NJ	CDE	21	NJ	CDE	2 U		
Toxaphene	270 U	J	CD	250 U	J	CD	720 U	J	CDG	300 U	J	CD	170 U		
Aroclor-1016	52 U	J	C	48 U	J	C	140 U	J	CG	58 U	J	C	33 U		
Aroclor-1221	110 U	J	C	97 U	J	C	280 U	J	CG	120 U	J	C	67 U		
Aroclor-1232	52 U	J	C	48 U	J	C	140 U	J	CG	58 U	J	C	33 U		
Aroclor-1242	52 U	J	C	48 U	J	C	140 U	J	CG	58 U	J	C	33 U		
Aroclor-1248	52 U	J	CD	48 U	J	CD	140 U	J	CDG	58 U	J	CD	33 U		
Aroclor-1254	52 U	J	CD	48 U	J	CD	140 U	J	CDG	58 U	J	CD	33 U		
Aroclor-1260	52 U	J	CD	48 U	J	CD	140 U	J	CDG	58 U	J	CD	33 U		
Percent Solids	63 %			69 %			47 %			57 %			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #14
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 13, 1994

Analysis Type: Low Level Soil Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Sample I.D.	CRQL														
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	2														
beta-BHC	2														
delta-BHC	2														
gamma-BHC (Lindane)	2														
Heptachlor	2														
Aldrin	2														
Heptachlor epoxide	2														
Endosulfan I	2														
Dieldrin	3														
2,4'-DDE	3														
4,4'-DDE	3														
Endrin	3														
Endosulfan II	3														
2,4'-DDD	3														
4,4'-DDD	3														
Endosulfan sulfate	3														
2,4'-DDT	3														
4,4'-DDT	3														
Methoxychlor	17														
Endrin ketone	3														
Endrin aldehyde	3														
alpha-Chlordane	2														
gamma-Chlordane	2														
Toxaphene	170														
Aroclor-1016	33														
Aroclor-1221	67														
Aroclor-1232	33														
Aroclor-1242	33														
Aroclor-1248	33														
Aroclor-1254	33														
Aroclor-1260	33														

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: 21879 Memo #04

Site: Montrose

Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)

Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser

Date: June 13, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	KD-1			KD-2			KD-6			ND-1			ND-2			ND-4			ND-5		
Sample I.D.	MYN542			MYN543 D1			MYN547 D1			MYN549 D2			MYN550			MYN552			MYN553		
Date of Collection	04/11/94			04/11/94			04/11/94			04/12/94			04/12/94			04/12/94			04/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	3640			5360			3780			9550			6180			15300			20200		
Antimony	2.5 U			2.8 U			2.7 U			2.6 U			2.5 U			2.4 U			2.4 U		
Arsenic	6.2			3.4			2.9			8.5			4.0			9.5			8.9		
Barium	58.7			131		D	46.7 L	J	AD	106			70.6			191			234		
Beryllium	0.19 U			0.20 U			0.20 U			0.19 U			0.19 U			0.49 L	J	A	0.70 L	J	A
Cadmium	0.91 L	J	A	2.4			2.1			1.4			0.49 L	J	A	0.78 L	J	A	0.53 L	J	A
Calcium	4760			5450			3560			5480			4650			5550			7020		
Chromium	20.3			28.0		D	13.8		D	27.1			12.9			25.6			33.6		
Cobalt	4.2 L	J	A	5.2 L	J	A	4.8 L	J	A	7.5 L	J	A	4.6 L	J	A	12.5			15.7		
Copper	40.2	J	C	54.3	J	C	42.7	J	C	71.0	J	C	26.1	J	C	46.0	J	C	44.8	J	C
Iron	6940			9760			8360			17000			9620			22800			26300		
Lead	73.8			252		D	122		D	86.0			34.1			68.8			64.5		
Magnesium	2480			2490			2130			3350			2500			5810			7080		
Manganese	109			132			113			337		D	201			530			600		
Mercury	0.08 L	J	A	0.11 L	J	A	0.12 L	J	A	0.12			0.06 U			0.07 L	J	A	0.07 L	J	A
Nickel	64.9			17.9			14.7			22.8			11.9			20.9			25.4		
Potassium	853 L	J	A	1040 L	J	A	878 L	J	A	1890			1340			3090			3660		
Selenium	0.49 U			0.54 U			0.52 U			0.50 U			0.49 U			0.47 U			0.46		
Silver	0.88 L	J	AB	0.77 U	J	B	0.75 U	J	B	1.0 L	J	AB	0.70 U	J	B	1.9 L	J	AB	1.5 L	J	AB
Sodium	403 L	J	A	217 L	J	A	153 L	J	A	437 L	J	A	498 L	J	A	326 L	J	A	420 L	J	A
Thallium	0.51 U			0.56 U			0.55 U			0.53 U			0.51 U			0.50 U			0.49 U		
Vanadium	11.2 L	J	A	15.7			12.7			33.1			23.1			46.9			57.5		
Zinc	195			458			331			384			174			308			318		
Cyanide	0.61 U			0.64 U			0.63 U			0.58 U			0.61 U			0.54 U			0.55 U		
Percent Solids	79.8 %			77.3 %			78.1 %			82.1 %			82.6 %			87.8 %			87.8 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

Case No.: [redacted]1879 Memo #04 TA[redacted] 1A

Site: Montrose

Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser

Date: June 13, 1994

Concentration in mg/Kg

Station Location	ND-6			CS-1			CS-2			CS-3			CS-4			CS-5			CS-6		
Sample I.D.	MYN554 D2			MYN570 D3			MYN571			MYN572			MYN573			MYN574			MYN575 D3		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	11200			15500			27200			26500			16400			11800			14900		
Antimony	2.6 U			3.8 U			4.8 U			4.3 U			6.3 L	J	A	2.7 U			3.6 U		
Arsenic	10.2			10.0			15.3			14.9			12.2			8.2			8.9		
Barium	137			133			179			190			600			291			125		
Beryllium	0.19 L	J	A	0.28 U			0.75 L	J	A	0.35 L	J	A	0.25 U			0.20 U			0.26 U		
Cadmium	1.7			2.8			2.4			2.6			1.5 L	J	A	0.83 L	J	A	1.8		
Calcium	5180			6130			7410			7200			9540			3690			5700		
Chromium	33.7			70.9			85.2			85.1			261			130			61.3		
Cobalt	9.6 L	J	A	12.6 L	J	A	17.1 L	J	A	16.8 L	J	A	13.0 L	J	A	8.8 L	J	A	11.0 L	J	A
Copper	76.9	J	C	141	J	C	151	J	C	154	J	C	338	J	C	75.9	J	C	122	J	C
Iron	19900			23900			40000			36700			24800			17900			22000		
Lead	103			154			154			166			295			93.4			134		
Magnesium	3710			8530			12900			11700			8950			6600			7800		
Manganese	514		D	221			329			318			287			193			200		
Mercury	0.10 L	J	A	0.29			0.42			0.44			1.1			1.4			0.25		
Nickel	25.5			28.1			38.3			37.2			35.5			18.5			24.7		
Potassium	2270			5320			8750			7720			5220			3990			4870		
Selenium	0.50 U			0.74 U			0.93 U			0.83 U			0.89 L	J	A	0.52 U			0.75 L	J	A
Silver	1.5 L	J	AB	2.4 L	J	AB	3.3 L	J	AB	3.0 L	J	AB	5.5	J	B	1.3 L	J	AB	1.8 L	J	AB
Sodium	470 L	J	A	10200			15300			13600			6780			5180			10000		
Thallium	0.52 U			0.78 U			0.98 U			0.87 U			0.68 U			0.55 U			0.73 U		
Vanadium	37.2			49.4			79.5			74.4			49.3			37.1			45.3		
Zinc	431			533			529			542			510			203			474		
Cyanide	0.60 U			0.90 U			1.1 U			1.0 U			0.77 U			0.64 U			0.87 U		
Percent Solids	80.5 %			55.3 %			44.6 %			47.1 %			64.4 %			73.8 %			56.7 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

Case No.: 21879 Memo #04
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 13, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	DC1-1			DC1-2			Lab Blank			MDL			CRDL								
Sample I.D.	MYN589			MYN590																	
Date of Collection	04/13/94			04/13/94																	
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	3340			15000			6.2 L	J	A	3.3			40.0								
Antimony	2.5 U			3.4 U			2.2 U			2.2			12.0								
Arsenic	3.3			8.6			0.30 U			0.30			2.0								
Barium	30.2 L	J	A	119			0.62 U			0.62			40.0								
Beryllium	0.18 U			0.25 U			0.16 U			0.16			1.0								
Cadmium	0.48 L	J	A	3.4			0.20 U			0.20			1.0								
Calcium	3070			6440			16.2 L	J	A	7.0			1000								
Chromium	9.9			77.9			0.88 U			0.88			2.0								
Cobalt	3.5 L	J	A	11.7 L	J	A	0.46 U			0.46			10.0								
Copper	25.0	J	C	101	J	C	0.62 U			0.62			5.0								
Iron	6710			22900			2.6 L	J	A	0.96			20.0								
Lead	82.3			474			0.30 U			0.30			0.60								
Magnesium	1470			6590			14.4 L	J	A	7.6			1000								
Manganese	101			220			0.20 L	J	A	0.12			3.0								
Mercury	0.16			0.27			0.05 U			0.05			0.10								
Nickel	7.7 L	J	A	36.4			0.90 U			0.90			8.0								
Potassium	716 L	J	A	4380			20.6 U			20.6			1000								
Selenium	0.48 U			0.66 U			0.42 U			0.42			1.0								
Silver	0.69 U	J	B	3.3	J	B	0.60 U			0.60			2.0								
Sodium	688 L	J	A	4690			35.1 L	J	A	4.0			1000								
Thallium	0.50 U			0.69 U			0.44 U			0.44			2.0								
Vanadium	10.1 L	J	A	48.5			0.52 U			0.52			10.0								
Zinc	138			494			1.1 L	J	A	0.40			4.0								
Cyanide	0.61 U			0.83 U			0.50 U			N/A			2.0								
Percent Solids	82.2 %			58.2 %			N/A			N/A			N/A								

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

[redacted] ANA[redacted]LTS [redacted] Pa[redacted] of [redacted]

Case No.: _1879 Memo #06 TAB_ _ 1A

Site: Montrose

Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER) Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Reviewer: Rameen Moezzi, ESAT/ICF Kaiser

Date: June 20, 1994 Concentration in mg/Kg

Station Location	DC1-3			DC1-4			DC1-5			DC1-6			DC2-1			DC2-2			DC2-3		
Sample I.D.	MYN591			MYN592 D1			MYN593			MYN594 D1			MYN595			MYN596			MYN597		
Date of Collection	04/13/94			04/13/94			04/13/94			04/13/94			04/13/94			04/14/94			04/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	7330	J	D	16300	J	D	12600	J	D	12200	J	D	12700	J	D	21200	J	D	12300	J	D
Antimony	3.1 U	J	C	5.3 U	J	C	3.7 U	J	C	3.9 U	J	C	4.4 U	J	C	4.4 U	J	C	3.5 U	J	C
Arsenic	4.8			8.2			5.6			5.8			7.2			10.3			6.8		
Barium	58.1			117			98.8			109			108			213			109		
Beryllium	0.23 U			0.40 U			0.27 U			0.29 U			0.32 U			0.33 U			0.26 U		
Cadmium	1.5			3.3			2.1			2.3			2.9			2.4			1.6		
Calcium	10700	J	D	6070	J	DG	6780	J	D	9000	J	DG	14600	J	D	10500	J	D	9150	J	D
Chromium	25.0	J	C	59.2	J	C	46.9	J	C	44.3	J	C	47.7	J	C	86.0	J	C	51.6	J	C
Cobalt	7.0 L	J	A	12.0 L	J	A	9.2 L	J	A	8.3 L	J	A	11.2 L	J	A	14.0 L	J	A	10.0 L	J	A
Copper	97.6	J	CDE	131	J	CDEG	108	J	CDE	252	J	CDEG	122	J	CDE	131	J	CDE	91.1	J	CDE
Iron	12600	J	D	25100	J	D	19300	J	D	19300	J	D	19500	J	D	30200	J	D	19500	J	D
Lead	104	J	CD	218	J	CDG	141	J	CD	138	J	CDG	142	J	CD	128	J	CD	131	J	CD
Magnesium	4170	J	D	8110	J	D	6160	J	D	6180	J	D	6850	J	D	10400	J	D	6130	J	D
Manganese	148	J	D	206	J	D	161	J	D	159	J	D	184	J	D	263	J	D	171	J	D
Mercury	0.10 L	J	AB	0.20 L	J	AB	0.16 L	J	AB	0.14 L	J	AB	0.31	J	B	0.31	J	B	0.24	J	B
Nickel	20.6			36.8			29.9			25.6			26.2			30.3			24.5		
Potassium	2120			5540			3890			3920			3960			6280			3930		
Selenium	0.95 L	J	A	1.0 U			0.95 L	J	A	0.75 U			0.85 L	J	A	0.96 L	J	A	0.69 U		
Silver	1.1 L	J	ACF	3.1 L	J	ACF	2.6 L	J	ACF	1.9 L	J	ACF	2.1 L	J	ACF	2.9 L	J	ACF	1.2 L	J	ACF
Sodium	3730			8840		G	6210			6140		G	8350			11400			6670		
Thallium	0.62 U			1.1 U			0.75 U			0.79 U			0.89 U			0.91 U			0.72 U		
Vanadium	23.6			50.0			39.2			37.5			42.4			60.4			40.3		
Zinc	292			548			430			405			624			467			365		
Cyanide	0.73 U			1.3 U			0.84 U			0.89 U			0.94 U			1.0 U			0.79 U		
Percent Solids	64.0 %			39.3 %			56.7 %			53.8 %			49.5 %			46.7 %			59.9 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

ANALYTIC RESULTS
TA 1A

Case No.: .879 Memo #06
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Rameen Moezzi, ESAT/ICF Kaiser
Date: June 20, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	DC2-4			DC2-5			TLL-1			TLL-2			TLL-3			TLL-4			TLL-5		
Sample I.D.	MYN598			MYN599			MYN600 D2			MYN601			MYN602			MYN603			MYN604		
Date of Collection	04/14/94			04/14/94			04/13/94			04/13/94			04/13/94			04/13/94			04/13/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	11900	J	D	13800	J	D	3830	J	D	3390	J	D	3740	J	D	2550	J	D	4390	J	D
Antimony	4.5 U	J	C	3.6 U	J	C	3.0 U	J	C	3.1 U	J	C	2.7 U	J	C	2.6 U	J	C	2.8 U	J	C
Arsenic	6.5			6.6			4.8			2.9			3.0			4.6			4.9		
Barium	86.0			96.3			157			65.1			51.4			40.1 L	J	A	141		
Beryllium	0.33 U			0.27 U			0.22 U			0.23 U			0.20 U			0.19 U			0.21 U		
Cadmium	1.9 L	J	A	2.1			1.6			0.72 L	J	A	0.62 L	J	A	0.34 L	J	A	0.97 L	J	A
Calcium	57400	J	D	6220	J	D	18200	J	DG	34300	J	D	18400	J	D	7360	J	D	57900	J	D
Chromium	253	J	C	49.2	J	C	906	J	CG	51.1	J	C	43.0	J	C	30.5	J	C	42.0	J	C
Cobalt	9.5 L	J	A	9.7 L	J	A	5.4 L	J	A	4.5 L	J	A	4.3 L	J	A	4.5 L	J	A	5.6 L	J	A
Copper	81.6	J	CDE	110	J	CDE	179	J	CDEG	43.2	J	CDE	43.0	J	CDE	334	J	CDE	147	J	CDE
Iron	18200	J	D	20100	J	D	8470	J	D	9790	J	D	9610	J	D	13000	J	D	11400	J	D
Lead	124	J	CD	119	J	CD	95.8	J	CDG	41.2	J	CD	59.9	J	CD	235	J	CD	75.9	J	CD
Magnesium	6420	J	D	6460	J	D	3780	J	D	3280	J	D	2780	J	D	1990	J	D	3540	J	D
Manganese	158	J	D	169	J	D	286	J	D	592	J	D	380	J	D	243	J	D	334	J	D
Mercury	0.22	J	B	0.19	J	B	0.08 L	J	AB	0.08 L	J	AB	0.06 L	J	AB	0.10 L	J	AB	0.08 L	J	AB
Nickel	26.0			24.6			29.8			10.0 L	J	A	10.9			17.2			25.4		
Potassium	3830			3900			956 L	J	A	872 L	J	A	959 L	J	A	629			765 L	J	A
Selenium	0.88 U			0.70 L	J	A	0.58 U			0.60 U			0.53 U			0.50 U			0.55 U		
Silver	1.3 U	J	C	1.6 L	J	ACF	0.83 U	J	C	1.9 L	J	ACF	1.1 L	J	ACF	1.3 L	J	ACF	0.78 U	J	C
Sodium	11100			7380			2250			1520			991 L	J	A	723 L	J	A	896 L	J	A
Thallium	0.92 U			0.73 U			0.61 U			0.62 U			0.55 U			0.52 U			0.57 U		
Vanadium	42.6			42.2			19.7			23.1			17.0			12.8			14.5		
Zinc	432			443			806		G	226			211			399			335		
Cyanide	1.0 U			0.82 U			0.66 U			0.66 U			0.63 U			0.61 U			0.64 U		
Percent Solids	46.9 %			57.4 %			70.5 %			70.5 %			77.3 %			81.0 %			73.9 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: .879 Memo #06 TA 1A
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Rameen Moezzi, ESAT/ICF Kaiser
Date: June 20, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location Sample I.D. Date of Collection	TLL-6 MYN605 D2 04/13/94			Lab Blank			MDL			CRDL											
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	4450	J	D	4.5 L	J	A	3.3			40.0											
Antimony	2.9 U	J	C	2.2 U			2.2			12.0											
Arsenic	3.5 U			0.30 U			0.30			2.0											
Barium	78.7			0.62 U			0.62			40.0											
Beryllium	0.22 U			0.16 U			0.16			1.0											
Cadmium	0.97 L	J	A	0.20 U			0.20			1.0											
Calcium	34900	J	DG	20.3 L	J	A	7.0			1000											
Chromium	50.9	J	CG	0.88 U			0.88			2.0											
Cobalt	5.8 L	J	A	0.46 U			0.46			10.0											
Copper	43.4	J	CDEG	0.82 L	J	A	0.62			5.0											
Iron	8440	J	D	4.4 L	J	A	0.96			20.0											
Lead	229	J	CDG	0.30 U			0.30			0.60											
Magnesium	3560	J	D	11.8 L	J	A	7.6			1000											
Manganese	384	J	D	0.29 L	J	A	0.12			3.0											
Mercury	0.32	J	B	0.05 U			0.05			0.10											
Nickel	16.6			0.90 U			0.90			8.0											
Potassium	995 L	J	A	20.6 U			20.6			1000											
Selenium	0.57 U			0.42 U			0.42			1.0											
Silver	0.81 U	J	C	0.62 L	J	AF	0.60			2.0											
Sodium	2510			36.6 L	J	A	4.0			1000											
Thallium	0.60 U			0.44 U			0.44			2.0											
Vanadium	18.2			0.52 U			0.52			10.0											
Zinc	294		G	2.9 L	J	A	0.40			4.0											
Cyanide	0.68 U			0.50 U			N/A			0.50											
Percent Solids	70.2 %			N/A			N/A			N/A											

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTIC RESULTS
TABLE 1A

Case No.: 879 Memo #09
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 24, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	TLU-8			TLU-9			TLL-7			TLL-8			BDCE-1			BDCE-2			BDCE-3		
Sample I.D.	MYN658			MYN659			MYN660			MYN661			MYN662			MYN663			MYN664		
Date of Collection	4/15/94			4/15/94			4/15/94			4/15/94			4/16/94			4/16/94			4/16/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	6550			13100			4600			10000			9620			14400			11800		
Antimony	2.6 U	J	B	3.5 U	J	B	3.0 U	J	B	4.6 U	J	B	3.0 U	J	B	3.7 L	J	AB	3.5 U	J	B
Arsenic	5.6			11.3			4.5			7.3			7.9			8.2			7.5		
Barium	115			162			79.6			198			99.9			125			110		
Beryllium	0.25 L	J	A	0.36 L	J	A	0.26 L	J	A	0.41 L	J	A	0.31 L	J	A	0.35 L	J	A	0.35 L	J	A
Cadmium	1.5			4.5			1.2 L	J	A	2.7			1.7			2.3			1.9		
Calcium	32200			12700			33500			91100			3720			4810			3250		
Chromium	37.0			80.9			35.3			37.6			145			120			42.7		
Cobalt	9.2 L	J	A	22.3			5.7 L	J	A	12.3 L	J	A	9.2 L	J	A	12.1 L	J	A	9.9 L	J	A
Copper	140	J	BC	223	J	BC	133	J	BC	141	J	BC	74.1	J	BC	156	J	BC	85.9	J	BC
Iron	12500			21100			9580			17400			18200			22200			19000		
Lead	129	J	C	290	J	C	113	J	C	120	J	C	248	J	C	215	J	C	97.2	J	C
Magnesium	4200			6530			3430			7620			5410			6620			6040		
Manganese	501			355			229			464			159			189			163		
Mercury	0.20	J	BC	0.48	J	BC	0.12 L	J	ABC	0.35	J	BC	0.22	J	BC	0.29	J	BC	0.19	J	BC
Nickel	24.5			49.1			18.3			27.2			24.9			31.7			23.1		
Potassium	1640	J	D	3170	J	D	1290 L	J	AD	2700	J	D	3200	J	D	3990	J	D	3780	J	D
Selenium	0.50 U			0.67 U			0.57 U			0.89 U			0.59 U			0.64 U			0.67 U		
Silver	0.72 U			1.0 L	J	AB	1.2 L	J	AB	1.4 L	J	AB	1.6 L	J	AB	1.5 L	J	AB	1.2 L	J	AB
Sodium	1170 L	J	A	6350			2460			5560			3650			5400			5200		
Thallium	0.53 U			0.71 U			0.60 U			0.93 U			0.61 U			0.67 U			0.71 U		
Vanadium	25.7			44.2			18.2			33.5			37.4			47.5			40.9		
Zinc	438			1040			369			768			397			488			373		
Cyanide	0.61 U			0.79 U			0.67 U			1.0 U			0.72 U			0.83 U			0.74 U		
Percent Solids	81.9 %			61.7 %			70.3 %			46.9 %			68.9 %			59.8 %			62.4 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: 679 Memo #09 TAL 1A
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER) Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide
Reviewer: Fernando S. Contreras, ESAT/ICF Kaiser
Date: June 24, 1994 Concentration in mg/Kg

Station Location	BDCW-1			Lab Blank			MDL			CRDL											
Sample I.D.	MYN665																				
Date of Collection	4/16/94																				
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	9720			5.4 L	J	A	3.3			40.0											
Antimony	3.6 U	J	B	2.2 U			2.2			12.0											
Arsenic	8.2			0.30 U			0.30			2.0											
Barium	92.3			0.62 U			0.62			40.0											
Beryllium	0.37 U			0.39 L	J	A	0.16			1.0											
Cadmium	4.2			0.20 U			0.20			1.0											
Calcium	4720			10.9 L	J	A	7.0			1000											
Chromium	104			0.88 U			0.88			2.0											
Cobalt	12.8 L	J	A	0.46 U			0.46			10.0											
Copper	162	J	BC	0.62 U			0.62			5.0											
Iron	17600			6.9 L	J	A	1.0			20.0											
Lead	438	J	C	0.30 U			0.30			0.60											
Magnesium	4730			7.6 U			7.6			1000											
Manganese	206			0.12 U			0.12			3.0											
Mercury	0.40	J	BC	0.05 U			0.05			0.1											
Nickel	41.9			0.90 U			0.90			8.0											
Potassium	2780	J	D	20.6 U			20.6			1000											
Selenium	0.70 U			0.42 U			0.42			1.0											
Silver	1.0 U			0.60 U			0.60			2.0											
Sodium	4870			34.3 L	J	A	4.0			1000											
Thallium	0.73 U			0.44 U			0.44			2.0											
Vanadium	45.1			0.52 U			0.52			10.0											
Zinc	887			3.7 L	J	A	0.40			4.0											
Cyanide	0.85 U			0.50 U			N/A			2.0											
Percent Solids	57.3 %			N/A			N/A			N/A											

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
T. & 1A

Case No.: 21879 Memo #11
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 15, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	BDCW-2			BDCW-3			TLU-1			TLU-2			TLU-3			TLU-4			TLU-5		
Sample I.D.	MYN544			MYN545			MYN621 D1			MYN622			MYN623			MYN624			MYN625		
Date of Collection	4/16/94			4/16/94			4/14/94			4/14/94			4/14/94			4/14/94			4/15/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	12200			15700			16700			4060			6080			2870			8360		
Antimony	4.5 L	J	AC	3.6 U	J	C	2.9 U	J	C	2.6 U	J	C	2.5 U	J	C	2.5 U	J	C	2.9 L	J	AC
Arsenic	10.1			9.1			7.8			3.2			4.1			2.8			4.3		
Barium	104			135			187			44.4 L	J	A	58.6			24.9 L	J	A	89.5		
Beryllium	0.28 U			0.27 U			0.71 L	J	A	0.19 U			0.19 U			0.19 U			0.18 U		
Cadmium	3.6			2.8			0.52 L	J	A	1.0 L	J	A	0.94 L	J	A	0.46 L	J	A	0.30 L	J	A
Calcium	8510			16400			35200		E	17200			11900			8550			11800		
Chromium	248			92.7			57.8			27.4			68.7			88.8			48.1		
Cobalt	12.0 L	J	A	13.4 L	J	A	12.6 L	J	A	4.6 L	J	A	6.8 L	J	A	4.1 L	J	A	7.7 L	J	A
Copper	128			136			52.0			87.0			95.6			84.6			83.5		
Iron	18500			24400			24100			5990			11800			10300			14800		
Lead	407	J	D	215	J	D	41.4	J	DE	53.8	J	D	97.6	J	D	65.7	J	D	98.2	J	D
Magnesium	5790			7720			9330			3070			3740			3020			5100		
Manganese	221			231			487			205			301			532			348		
Mercury	0.30	J	B	0.33	J	B	0.07 L	J	AB	0.11 L	J	AB	0.10 L	J	AB	0.14	J	B	0.05 U		
Nickel	33.1			33.0			19.3			10.6			29.8			9.4			13.3		
Potassium	3290			4650			4470			909 L	J	A	1450			781 L	J	A	2000		
Selenium	0.74 U			0.70 U			0.55 U			0.51 U			0.49 U			0.49 U			0.48 U		
Silver	1.7 L	J	AC	1.3 L	J	AC	0.79 U	J	C	0.73 U	J	C	0.70 U	J	C	0.69 U	J	C	0.68 U	J	C
Sodium	5940			6290			2910			1110 L	J	A	972 L	J	A	579 L	J	A	1710		
Thallium	0.78 U			0.73 U			0.58 U			0.53 U			0.51 U			0.51 U			0.50 U		
Vanadium	44.3			49.2			47.8			12.8			26.3			20.9			31.3		
Zinc	820			604			110			357			1810			256			140		
Cyanide	0.86 U			0.82 U			0.62 U			0.60 U			0.58 U			0.60 U			0.55 U		
% Solids	56.2			59.5			73.5			80.0			81.1			83.9			85.2		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

[redacted] AN[redacted]AL[redacted]LTS[redacted] Pa[redacted] of [redacted]

Case No. 21879 Memo #11 [redacted]E 1A

Site: Montrose

Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)

Reviewer: Karen Pettit, ESAT/ICF Kaiser

Date: June 15, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	TLU-6			TLU-7			DC3-1			DC3-2			DC3-3			DC3-4			DC3-5		
Sample I.D.	MYN626			MYN627 D1			MYN643			MYN644			MYN645			MYN646			MYN647		
Date of Collection	4/15/94			4/14/94			4/14/94			4/14/94			4/14/94			4/14/94			4/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	3100			16900			22800			14900			21300			19000			16500		
Antimony	2.5 U	J	C	2.8 U	J	C	4.5 U	J	C	4.9 L	J	AC	4.9 U	J	C	4.0 U	J	C	3.6 U	J	C
Arsenic	2.3 L	J	A	7.3			11.3			7.8			9.0			12.0			7.9		
Barium	79.0			192			151			101			112			126			119		
Beryllium	0.18 U			0.72 L	J	A	0.48 L	J	A	0.28 U			0.36 U			0.44 L	J	A	0.27 U		
Cadmium	1.7			0.34 L	J	A	2.2			2.5			4.7			2.8			2.2		
Calcium	9360			14800		E	9670			40300			5620			8250			7470		
Chromium	75.4			75.7			108			60.5			108			219			70.1		
Cobalt	4.3 L	J	A	13.2 L	J	A	13.9 L	J	A	10.8 L	J	A	15.7 L	J	A	13.3 L	J	A	11.4 L	J	A
Copper	43.0			66.9			153			106			164			147			119		
Iron	7880			25700			31600			23000			29600			28500			24100		
Lead	116	J	D	71.7	J	DE	212	J	D	132	J	D	335	J	D	470	J	D	150	J	D
Magnesium	2540			9200			9800			7180			9460			9140			7970		
Manganese	282			393			244			184			251			251			212		
Mercury	0.06 U			0.09 L	J	AB	0.38	J	B	0.18	J	B	0.26	J	B	0.42	J	B	0.21	J	B
Nickel	8.7 L	J	A	22.6			33.1			25.7			46.2			35.0			27.6		
Potassium	794 L	J	A	4640			6150			4480			5870			5420			4850		
Selenium	0.48 U			0.55 U			0.88 U			0.73 U			0.95 U			0.78 U			0.71 U		
Silver	0.69 U	J	C	0.95 L	J	AC	1.8 L	J	AC	1.0 U	J	C	2.3 L	J	AC	1.3 L	J	AC	1.1 L	J	AC
Sodium	1270			3040			11100			9260			13300			11100			8430		
Thallium	0.50 U			0.57 U			0.93 U			0.76 U			0.99 U			0.82 U			0.74 U		
Vanadium	21.3			51.0			64.2			45.4			66.9			66.1			51.9		
Zinc	264			134			526			513			808			600			511		
Cyanide	0.59 U			0.71 U			1.0 U			0.86 U			1.1 U			0.97 U			0.85 U		
% Solids	80.0			70.9			47.5			54.4			44.0			50.3			57.6		

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

Case No.. .1879 Memo #11
Site: Montrose
Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 15, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Station Location	DC4-1			DC4-2			DC4-3			DC4-4			DC4-5			DC4-6			Lab Blank		
Sample I.D.	MYN648			MYN649			MYN650			MYN651			MYN652 D2			MYN653 D2					
Date of Collection	4/14/94			4/15/94			4/15/94			4/15/94			4/15/94			4/15/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	5080			22200			14600			15900			16100			17200			3.3 U		
Antimony	2.7 U	J	C	5.2 L	J	AC	3.2 U	J	C	3.0 U	J	C	3.0 U	J	C	3.0 U	J	C	2.2 U		
Arsenic	5.3			11.7			10.5			17.9			15.3			13.4			0.30 U		
Barium	31.6 L	J	A	151			144			189			321			288			0.62 U		
Beryllium	0.20 U			0.79 L	J	A	0.25 L	J	A	0.47 L	J	A	0.47 L	J	A	0.46 L	J	A	0.16 U		
Cadmium	0.51 L	J	A	3.4			0.70 L	J	A	0.28 U			0.28 U			0.27 U			0.20 U		
Calcium	3540			4890			3760			4280			4220			4620			14.7 L	J	A
Chromium	19.3			134			103			282			197			141			0.88 U		
Cobalt	5.1 L	J	A	14.8 L	J	A	10.5 L	J	A	11.6 L	J	A	12.5 L	J	A	12.7 L	J	A	0.46 U		
Copper	25.5			139			97.8			109			127			111			0.62 U		
Iron	8660			29900			23900			25100			26100			27000			7.9 L	J	A
Lead	28.2	J	D	348	J	D	381	J	D	315	J	D	317	J	DE	209	J	DE	0.30 U		
Magnesium	2950			9390			7320			8190			8770			8880			7.7 L	J	A
Manganese	96.6			261			286			323			258			321			0.29 L	J	A
Mercury	0.09 L	J	AB	0.46	J	B	0.41	J	B	1.0	J	B	1.1	J	BE	0.50	J	BE	0.05 U		
Nickel	8.5 L	J	A	42.6			27.0			35.9			32.2			30.4			0.90 U		
Potassium	1400			6010			4400			4780			5070			4900			20.6 U		
Selenium	0.52 U			0.68 U			0.61 U			0.59 U			0.59 U			0.58 U			0.42 U		
Silver	0.74 U	J	C	1.5 L	J	AC	0.88 U	J	C	0.84 U	J	C	1.2 L	J	AC	0.99 L	J	AC	0.60 U		
Sodium	3010			8470			6170			6310			6660			6390			26.6 L	J	A
Thallium	0.54 U			0.71 U			0.64 U			0.61 U			0.62 U			0.60 U			0.44 U		
Vanadium	16.4			71.9			55.2			63.8			60.2			59.7			0.52 U		
Zinc	94.1			683			378			377			376			328			0.40 U		
Cyanide	0.63 U			0.84 U			0.72 U			0.68 U			0.71 U			0.63 U			0.50 U		
% Solids	73.8			57.3			66.4			71.0			70.6			72.9			NA		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
NA-Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

[redacted] ANA[redacted]L [redacted]LTS [redacted] Pa[redacted] of [redacted]

Case No.: 21879 Memo #11 1. [redacted]E 1A

Site: Montrose

Lab.: TMA/Skinner & Sherman Labs, Inc. (SKINER)

Reviewer: Karen Pettit, ESAT/ICF Kaiser

Date: June 15, 1994

Analysis Type: Low Concentration Soil Samples for RAS Total Metals and Cyanide

Concentration in mg/Kg

Sample I.D.	MDL			CRDL																	
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	3.3			40.0																	
Antimony	2.2			12.0																	
Arsenic	0.30			2.0																	
Barium	0.62			40.0																	
Beryllium	0.16			1.0																	
Cadmium	0.20			1.0																	
Calcium	7.0			1000																	
Chromium	0.88			2.0																	
Cobalt	0.46			10.0																	
Copper	0.62			5.0																	
Iron	0.96			20.0																	
Lead	0.30			0.60																	
Magnesium	7.6			1000																	
Manganese	0.12			3.0																	
Mercury	0.05			0.10																	
Nickel	0.90			8.0																	
Potassium	20.6			1000																	
Selenium	0.42			1.0																	
Silver	0.60			2.0																	
Sodium	4.0			1000																	
Thallium	0.44			2.0																	
Vanadium	0.52			10.0																	
Zinc	0.40			4.0																	
Cyanide	NR			0.50																	

Val-Validity Refer to Data Qualifiers in Table 1B

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

NR-Not Required

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background

CRDL-Contract Required Detection Limit

Case No.: SAS 8357Y-01 Memo #01
Site: Montrose
Lab.: CEIMIC Corporation (CEIMIC)
Reviewer: Rameen Moezzi, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Concentration Soil Samples for SAS Total Organic Carbon (TOC)

Concentration in mg/Kg

Station Location	KD-1			KD-2			KD-6			ND-1			ND-2			ND-4			ND-5		
Sample I.D.	SYA803			SYA804 D1			SYA808 D1			SYA809 D2			SYA810			SYA812			SYA813		
Date of Collection	4/11/94			4/11/94			4/11/94			4/12/94			4/12/94			4/12/94			4/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	6110	J	A	19200	J	AC	13400	J	AC	18700	J	A	12300	J	A	10400	J	A	16800	J	A
Percent Solids	76.7 %			76.2 %			74.1 %			83.0 %			71.9 %			87.8 %			70.0 %		

Station Location	ND-6			CS-1			CS-2			CS-3			CS-4			CS-5			CS-6		
Sample I.D.	SYA814 D2			SYA815 D3			SYA816			SYA817			SYA818			SYA819			SYA820 D3		
Date of Collection	4/12/94			4/12/94			4/12/94			4/12/94			4/12/94			4/12/94			4/12/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	21700	J	A	48400	J	A	41900	J	A	41100	J	A	33200	J	A	10200	J	A	47700	J	A
Percent Solids	82.4 %			51.5 %			43.2 %			44.5 %			63.4 %			64.8 %			53.3 %		

Station Location	DC1-1			DC1-2			DC1-3			DC1-4			DC1-5			TLU-7			Lab Blank 1		
Sample I.D.	SYA821			SYA822			SYA823			SYA824 D4*			SYA825			SYA844 D5*					
Date of Collection	4/13/94			4/13/94			4/13/94			4/13/94			4/13/94			4/14/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	7180	J	A	24200	J	A	5500	J	A	35000	J	A	22600	J	A	4760	J	A	26.9 U	J	A
Percent Solids	76.9 %			59.2 %			62.6 %			41.1 %			56.3 %			70.5 %			N/A		

*Duplicate pairs SYA826 (D4) and SYA838 (D5) are included in SAS 8375Y-01 Memo #02.
Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

TABLE 1A

Case No.: SAS 8357Y-01 Memo #01
Site: Montrose
Lab.: CEIMIC Corporation (CEIMIC)
Reviewer: Rameen Moezzi, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Concentration Soil Samples for SAS Total Organic Carbon (TOC)

Concentration in mg/Kg

Sample I.D.	Lab Blank 2			Lab Blank 3			Lab Blank 4			MDL			CRDL								
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	34.4 L	J	AB	26.9 U	J	A	48.3 L	J	AB	26.9			200								
Station Location Sample I.D. Date of Collection																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Station Location Sample I.D. Date of Collection																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com

Val-Validity Refer to *Data Qualifiers in Table 1B*
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: SAS 8357Y-01 Memo #02
Site: Montrose
Lab.: Ceimic Corporation (CEIMIC)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: June 13, 1994

Analysis Type: Low Concentration Soil Samples for SAS Total Organic Carbon (TOC)

Concentration in mg/Kg (Dry Weight Basis)

Station Location	DC1-6			DC2-1			DC2-2			DC2-3			DC2-4			DC2-5			TLL-1		
Sample I.D.	SYA826 D1*			SYA827			SYA828			SYA829			SYA830			SYA831			SYA832		
Date of Collection	4/13/94			4/13/94			4/14/94			4/14/94			4/14/94			4/14/94			4/13/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	40500	J	A	54700	J	A	33700	J	A	22500	J	A	58000	J	A	38300	J	A	17400	J	A
% Solids	32.2			43.7			39.3			60.5			42.4			51.9			63.1		
Station Location	TLL-2			TLL-3			TLL-4			TLL-5			TLL-6			TLU-1			TLU-2		
Sample I.D.	SYA833			SYA834			SYA835			SYA836			SYA837			SYA838 D2*			SYA839		
Date of Collection	4/13/94			4/13/94			4/13/94			4/13/94			4/13/94			4/14/94			4/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	30500	J	A	12800	J	A	8140	J	A	24500	J	A	25800	J	A	6010	J	A	5250	J	A
% Solids	72.6			66.7			74.0			69.2			63.3			70.0			75.4		
Station Location	TLU-3			TLU-4			TLU-5			TLU-6			DC3-1			DC4-5			Lab Blank 2/20/94		
Sample I.D.	SYA840			SYA841			SYA842			SYA843			SYA845			SYA854 D3*					
Date of Collection	4/14/94			4/14/94			4/15/94			4/15/94			4/14/94			4/15/94					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	6810	J	A	4910	J	A	2920	J	A	6710	J	A	25000	J	A	30600	J	A	26.9 U		
% Solids	81.6			87.7			89.3			72.0			40.2			70.8			N/A		

* The results for duplicate samples SYA824 (D1) and SYA844 (D2) can be found in Case 8357Y-01 Memo #01. The results for duplicate sample SYA855 can be found in Case 8357Y-01 Memo #03.
N/A-Not Applicable
Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: SAS 8357Y-01 Memo #02
Site: Montrose
Lab.: Ceimic Corporation (CEIMIC)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: June 13, 1994

Analysis Type: Low Concentration Soil Samples for SAS Total Organic Carbon (TOC)

Concentration in mg/Kg (Dry Weight Basis)

Sample I.D.	Lab Blank 2/22/94			Lab Blank 2/23/94			Lab Blank 2/26/94			Lab Blank 2/27/94			Lab Blank 2/28/94			IDL			CRDL		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	26.9			26.9	U		74.1	L J	B	48.3	L J	B	26.9	U		26.9			200		
Sample I.D.																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Sample I.D.																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: SAS 8357Y-01 Memo #03
Site: Montrose
Lab.: CEIMIC Corporation (CEIMIC)
Reviewer: Rameen Moezzi, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Concentration Soil Samples for SAS Total Organic Carbon (TOC)

Concentration in mg/Kg

Station Location	BDCE-3			BDCW-1			BDCW-2			BDCW-3			DC3-2			DC3-3			DC3-4		
Sample I.D.	SYA805			SYA806			SYA807			SYA811			SYA846			SYA847			SYA848		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94			4/14/94			4/14/94			4/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	25200	J	A	34600	J	A	27400	J	A	28100	J	A	24000	J	A	58200	J	A	27200	J	A
Percent Solids	63.1 %			60.7 %			56.5 %			60.9 %			46.2 %			28.6 %			48.9 %		
Station Location	DC3-5			DC4-1			DC4-2			DC4-3			DC4-4			DC4-6			TLU-8		
Sample I.D.	SYA849			SYA850			SYA851			SYA852			SYA853			SYA855 D1*			SYA856		
Date of Collection	4/14/94			4/14/94			4/15/94			4/15/94			4/15/94			4/15/94			4/15/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	34900	J	A	4760	J	A	31800	J	A	39300	J	A	46100	J	A	35600	J	A	25700	J	A
Percent Solids	53.5 %			70.9 %			51.7 %			67.5 %			68.8 %			70.8 %			70.8 %		
Station Location	TLU-9			TLL-7			TLL-8			BDCE-1			BDCE-2			Lab Blank 1			Lab Blank 2		
Sample I.D.	SYA857			SYA858			SYA859			SYA860			SYA861								
Date of Collection	4/15/94			4/15/94			4/15/94			4/16/94			4/16/94								
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	46200	J	A	13500	J	A	75900	J	A	25100	J	A	34000	J	A	48.3 L	J	AB	26.9 U	J	A
Percent Solids	62.2 %			72.6 %			42.6 %			65.3 %			56.9 %			N/A			N/A		

*Field duplicate SYA854 is included in SAS 8357Y-01 Memo #03.
Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

N/A-Not Applicable
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: SAS 8357Y-01 Memo #03
Site: Montrose
Lab.: CEIMIC Corporation (CEIMIC)
Reviewer: Rameen Moezzi, ESAT/ICF Kaiser
Date: June 17, 1994

Analysis Type: Low Concentration Soil Samples for SAS Total Organic Carbon (TOC)

Concentration in mg/Kg

Sample I.D.	Lab Blank 3			MDL			CRDL														
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Total Organic Carbon	38.2 L	J	AB	26.9			200														
Station Location Sample I.D. Date of Collection																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Station Location Sample I.D. Date of Collection																					
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		KD-1	KD-1	KD-1		
Sample I.D.		SYA862	SYA862-Dup	SYA862-Avg		
Date Collected		04/11/94	04/11/94	04/11/94		
Specific gravity		2.53	2.53	2.53		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	86.2	84.3	85.2		
#40	0.425	55.2	58.9	57.0		
#60	0.250	31.9	34.9	33.4		
#100	0.150	12.4	11.7	12.1		
#200	0.075	6.5	5.9	6.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	4.1	4.1	4.1		
	0.025	4.1	4.1	4.1		
	0.015	4.1	4.1	4.1		
	0.010	4.1	4.1	4.1		
	0.007	4.1	4.1	4.1		
	0.004	4.1	4.1	4.1		
	0.001	4.1	4.1	4.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		KD-2	KD-2	KD-2		
Sample I.D.		SYA863 D1	SYA863-Dup	SYA863-Avg		
Date Collected		04/11/94	04/11/94	04/11/94		
Specific gravity		2.48	2.48	2.48		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	80.8	81.9	81.4		
#40	0.425	55.8	56.3	56.0		
#60	0.250	29.2	30.1	29.6		B
#100	0.150	9.0	7.7	8.4		B
#200	0.075	5.9	3.6	4.8	J	A
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	4.1	4.1	4.1		
	0.026	4.1	4.1	4.1		
	0.015	4.1	4.1	4.1		
	0.010	4.1	4.1	4.1		
	0.007	4.1	4.1	4.1		
	0.004	4.1	4.1	4.1		
	0.001	4.1	4.1	4.1		B

D1 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		KD-6	KD-6	KD-6		
Sample I.D.		SYA867 D1	SYA867-Dup	SYA867-Avg		
Date Collected		04/11/94	04/11/94	04/11/94		
Specific gravity		2.54	2.54	2.54		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	85.0	84.8	84.9		
#40	0.425	64.5	65.1	64.8		
#60	0.250	36.4	37.3	36.8		B
#100	0.150	10.4	10.6	10.5		B
#200	0.075	6.1	5.6	5.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	4.0	4.0	4.0		
	0.025	4.0	4.0	4.0		
	0.015	4.0	4.0	4.0		
	0.010	4.0	4.0	4.0		
	0.007	4.0	4.0	4.0		
	0.004	4.0	4.0	4.0		
	0.001	2.0	2.0	2.0		B

D1 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		ND-1	ND-1	ND-1		
Sample I.D.		SYA868 D2	SYA868-Dup	SYA868-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.54	2.54	2.54		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	73.8	76.3	75.0		
#40	0.425	49.1	54.2	51.6		
#60	0.250	38.7	44.7	41.7		
#100	0.150	29.9	35.6	32.8		
#200	0.075	19.8	23.2	21.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	14.3	14.2	14.3		
	0.025	14.3	14.2	14.3		
	0.014	12.2	12.2	12.2		
	0.010	10.2	12.2	11.2		
	0.007	10.2	12.2	11.2		
	0.004	10.2	12.2	11.2		
	0.001	8.2	8.1	8.2		

D2 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		ND-2	ND-2	ND-2		
Sample I.D.		SYA869	SYA869-Dup	SYA869-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.56	2.56	2.56		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	97.3	97.3	97.3		
#4	4.75	91.0	91.0	91.0		
#10	2.00	78.9	78.8	78.8		
#20	1.00	44.6	46.1	45.4		
#40	0.425	19.7	20.8	20.2		
#60	0.250	12.9	13.5	13.2		
#100	0.150	10.2	10.3	10.3		
#200	0.075	8.4	8.3	8.3		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	8.0	8.0	8.0		
	0.025	8.0	8.0	8.0		
	0.014	6.4	6.4	6.4		
	0.010	6.4	6.4	6.4		
	0.007	4.8	4.8	4.8		
	0.004	4.8	4.8	4.8		
	0.001	3.2	3.2	3.2		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		ND-4	ND-4	ND-4		
Sample I.D.		SYA871	SYA871-Dup	SYA871-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.55	2.55	2.55		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.7	96.9	96.3		
#40	0.425	90.4	91.9	91.2		
#60	0.250	86.6	87.7	87.1		
#100	0.150	80.1	79.5	79.8		
#200	0.075	66.1	63.1	64.6		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.036	42.8	42.4	42.6		
	0.023	38.7	38.3	38.5		
	0.013	34.6	34.3	34.5		
	0.010	32.6	32.3	32.4		
	0.007	30.6	30.3	30.4		
	0.003	26.5	26.2	26.4		
	0.001	22.4	20.2	21.3		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		ND-5	ND-5	ND-5		
Sample I.D.		SYA872	SYA872-Dup	SYA872-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.55	2.55	2.55		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	93.8	94.5	94.2		
#40	0.425	89.1	89.7	89.4		
#60	0.250	86.4	86.8	86.6		
#100	0.150	81.8	81.5	81.6		
#200	0.075	70.5	68.7	69.6		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.035	48.3	48.8	48.6		
	0.023	42.3	42.7	42.5		
	0.013	40.3	40.7	40.5		
	0.009	38.3	38.6	38.4		
	0.007	36.2	36.6	36.4		
	0.003	30.2	30.5	30.4		
	0.001	30.2	28.5	29.3		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location	ND-6	ND-6	ND-6		
Sample I.D.	SYA873 D2	SYA873-Dup	SYA873-Avg		
Date Collected	04/12/94	04/12/94	04/12/94		
Specific gravity	2.57	2.57	2.57		
Mechanical Analysis Data					
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	78.5	75.3	76.9		
#40	0.425	53.7	54.2	54.0		
#60	0.250	43.5	45.0	44.2		
#100	0.150	34.3	36.1	35.2		
#200	0.075	22.1	24.4	23.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	18.0	18.2	18.2		
	0.025	14.0	14.2	14.1		
	0.014	12.0	14.2	13.1		
	0.010	12.0	14.2	13.1		
	0.007	12.0	14.2	13.1		
	0.004	10.0	12.2	11.1		
	0.001	10.0	10.1	10.1		

D2 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Analysis Type: SAS Grain Size

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location	CS-1	CS-1	CS-1		
Sample I.D.	SYA874 D3	SYA874-Dup	SYA874-Avg		
Date Collected	04/12/94	04/12/94	04/12/94		
Specific gravity	2.21	2.21	2.21		
Mechanical Analysis Data					
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	99.2	99.3	99.2		
#40	0.425	96.7	97.2	97.0		
#60	0.250	93.3	94.2	93.8		
#100	0.150	87.0	88.0	87.5		
#200	0.075	69.9	70.7	70.3		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	47.9	47.9	47.9		
	0.024	43.3	43.3	43.3		
	0.014	36.5	36.5	36.5		
	0.010	36.5	34.2	35.3		
	0.007	31.9	29.6	30.8		
	0.004	25.1	22.8	23.9		
	0.002	20.5	20.5	20.5		

D3 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		CS-2	CS-2	CS-2		
Sample I.D.		SYA875	SYA875-Dup	SYA875-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.33	2.33	2.33		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	100	100	100		
#40	0.425	99.7	99.8	99.8		
#60	0.250	99.4	99.5	99.4		
#100	0.150	98.8	98.8	98.8		
#200	0.075	96.4	96.4	96.4		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.035	74.1	73.7	73.9		
	0.023	63.2	62.8	63.0		
	0.014	52.3	58.5	55.4		
	0.010	50.1	54.2	52.2		
	0.007	45.8	49.8	47.8		
	0.003	34.9	39.0	36.9		
	0.001	26.2	30.3	28.2		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		CS-3	CS-3	CS-3		
Sample I.D.		SYA876	SYA876-Dup	SYA876-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.35	2.35	2.35		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	100	100	100		
#40	0.425	99.2	99.6	99.4		
#60	0.250	98.3	98.2	98.2		
#100	0.150	96.8	96.7	96.8		
#200	0.075	90.8	87.7	89.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.035	69.1	73.5	71.3		
	0.023	62.6	62.7	62.7		
	0.014	49.6	49.7	49.7		
	0.010	47.5	45.4	46.4		
	0.007	41.0	41.1	41.0		
	0.004	32.4	32.4	32.4		
	0.001	23.7	23.8	23.8		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		CS-4	CS-4	CS-4		
Sample I.D.		SYA877	SYA877-Dup	SYA877-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.44	2.44	2.44		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	99.0	99.2	99.1		
#40	0.425	94.9	94.9	94.9		
#60	0.250	90.7	89.9	90.3		
#100	0.150	78.7	75.7	77.2		
#200	0.075	57.5	55.9	57.0		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	28.8	28.9	28.9		
	0.024	28.8	28.9	28.9		
	0.014	24.7	24.8	24.8		
	0.010	22.7	20.6	21.6		
	0.007	20.6	18.6	19.6		
	0.004	16.5	14.5	15.5		
	0.001	14.4	12.4	13.4		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		CS-5	CS-5	CS-5		
Sample I.D.		SYA878	SYA878-Dup	SYA878-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.34	2.34	2.34		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	99.5	99.5	99.5		
#40	0.425	97.5	97.6	97.6		
#60	0.250	86.5	88.0	87.2		
#100	0.150	61.3	63.8	62.6		
#200	0.075	38.3	40.8	39.6		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	30.1	30.0	30.0		
	0.026	19.3	19.3	19.3		
	0.015	17.2	19.3	18.2		
	0.011	15.0	17.2	16.1		
	0.007	15.0	17.2	16.1		
	0.004	12.9	12.9	12.9		
	0.002	10.7	10.7	10.7		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		CS-6	CS-6	CS-6		
Sample I.D.		SYA879 D3	SYA879-Dup	SYA879-Avg		
Date Collected		04/12/94	04/12/94	04/12/94		
Specific gravity		2.19	2.19	2.19		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	99.4	99.8	99.6		
#40	0.425	96.6	96.7	96.6		
#60	0.250	92.8	91.9	92.4		
#100	0.150	84.8	84.1	84.4		
#200	0.075	68.2	66.8	67.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	43.7	43.5	43.6		
	0.025	39.1	39.0	39.0		
	0.014	34.5	34.4	34.4		
	0.010	32.2	32.1	32.1		
	0.007	29.9	29.8	29.8		
	0.004	25.3	25.2	25.2		
	0.002	18.4	18.3	18.4		

D3 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		DC1-1	DC1-1	DC1-1		
Sample I.D.		SYA880	SYA880-Dup	SYA880-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.59	2.59	2.59		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	99.5	99.5	99.5		
#4	4.75	97.3	97.3	97.3		
#10	2.00	88.1	88.0	88.0		
#20	1.00	74.2	71.9	73.1		
#40	0.425	42.6	41.9	42.3		
#60	0.250	21.8	22.6	22.2		
#100	0.150	11.5	10.2	10.8		
#200	0.075	6.4	7.2	6.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	5.5	5.1	5.3		
	0.024	5.5	5.1	5.3		
	0.014	3.7	3.4	3.5		
	0.010	3.7	3.4	3.5		
	0.007	3.7	3.4	3.5		
	0.004	3.7	3.4	3.5		
	0.001	1.8	1.7	1.8		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		DC1-2	DC1-2	DC1-2		
Sample I.D.		SYA881	SYA881-Dup	SYA881-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.35	2.35	2.35		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	98.8	99.0	98.9		
#40	0.425	97.4	97.8	97.6		
#60	0.250	94.3	95.1	94.7		
#100	0.150	82.2	83.8	83.0		
#200	0.075	64.7	65.5	65.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	52.1	51.8	52.0		
	0.024	45.6	43.2	44.4		
	0.014	36.9	36.7	36.8		
	0.010	32.6	32.4	32.5		
	0.007	30.4	30.2	30.3		
	0.004	23.9	23.7	23.8		
	0.002	19.5	19.4	19.5		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		DC1-3	DC1-3	DC1-3		
Sample I.D.		SYA882	SYA882-Dup	SYA882-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.53	2.53	2.53		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	92.1	92.0	92.0		
#40	0.425	72.0	72.0	72.0		
#60	0.250	38.2	38.6	38.4		
#100	0.150	22.2	22.7	22.4		
#200	0.075	14.3	14.7	14.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	10.2	10.2	10.2		
	0.025	10.2	10.2	10.2		
	0.014	10.2	10.2	10.2		
	0.010	8.1	8.1	8.1		
	0.007	8.1	8.1	8.1		
	0.004	8.1	8.1	8.1		
	0.001	6.1	6.1	6.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Station Location		DC1-4	DC1-4	DC1-4		
Sample I.D.		SYA883 D4	SYA883-Dup	SYA883-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.43	2.43	2.43		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.4	97.2	97.3		
#40	0.425	91.6	91.8	91.7		
#60	0.250	85.6	85.8	85.7		
#100	0.150	67.2	67.4	67.3		
#200	0.075	53.9	47.1	50.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	39.7	39.6	39.6		B
	0.023	33.4	33.4	33.4		B
	0.014	27.1	27.1	27.1		
	0.010	23.0	22.9	23.0		
	0.007	20.9	20.9	20.9		
	0.004	16.7	16.7	16.7		
	0.002	10.4	10.4	10.4		

D4 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		DC1-5	DC1-5	DC1-5		
Sample I.D.		SYA884	SYA884-Dup	SYA884-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.48	2.48	2.48		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	98.0	98.3	98.2		
#40	0.425	95.2	95.2	95.2		
#60	0.250	90.3	90.2	90.2		
#100	0.150	68.8	68.3	68.6		
#200	0.075	51.2	51.0	51.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	28.8	28.8	28.8		
	0.024	24.7	24.7	24.7		
	0.014	22.6	22.6	22.6		
	0.010	20.6	20.6	20.6		
	0.007	18.5	18.5	18.5		
	0.004	14.4	14.4	14.4		
	0.001	10.3	10.3	10.3		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #01
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: June 30, 1994

Analysis Type: SAS Grain Size

Station Location		DC1-6	DC1-6	DC1-6		
Sample I.D.		SYA885 D4	SYA885-Dup	SYA885-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.43	2.43	2.43		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	96.5	96.6	96.6		
#40	0.425	92.9	92.7	92.8		
#60	0.250	86.0	85.8	85.9		
#100	0.150	69.5	68.6	69.0		
#200	0.075	53.7	52.7	53.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	29.4	29.3	29.3		B
	0.025	25.2	25.1	25.2		B
	0.014	25.2	25.1	25.2		
	0.010	23.1	23.0	23.1		
	0.007	21.0	21.0	21.0		
	0.004	16.8	16.8	16.8		
	0.002	12.6	12.6	12.6		

D4 - Field Duplicate Sample
Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		DC2-1	DC2-1	DC2-1		
Sample I.D.		SYA886	SYA886-Dup	SYA886-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.19	2.19	2.19		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	98.1	98.0	98.1		
#40	0.425	92.7	92.7	92.7		
#60	0.250	88.0	87.9	88.0		
#100	0.150	77.3	76.7	77.0		
#200	0.075	58.8	58.8	58.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	34.5	34.5	34.5		
	0.025	32.2	32.2	32.2		
	0.015	29.9	29.9	29.9		
	0.010	29.9	29.9	29.9		
	0.007	25.3	25.3	25.3		
	0.004	20.7	20.7	20.7		
	0.002	11.5	13.8	12.6		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC2-2	DC2-2	DC2-2		
Sample I.D.		SYA887	SYA887-Dup	SYA887-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.31	2.31	2.31		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.4	96.0	95.7		
#40	0.425	93.6	93.9	93.8		
#60	0.250	91.6	91.9	91.8		
#100	0.150	86.6	87.3	87.0		
#200	0.075	78.2	79.3	78.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	48.7	48.6	48.7		
	0.024	48.7	46.4	47.6		
	0.014	44.2	44.2	44.2		
	0.010	42.0	42.0	42.0		
	0.007	39.8	39.8	39.8		
	0.004	33.2	33.2	33.2		
	0.002	22.1	22.1	22.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC2-3	DC2-3	DC2-3		
Sample I.D.		SYA888	SYA888-Dup	SYA888-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.54	2.54	2.54		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.8	95.9	95.9		
#40	0.425	92.4	92.4	92.4		
#60	0.250	88.6	89.0	88.8		
#100	0.150	65.6	65.7	65.7		
#200	0.075	47.6	47.7	47.7		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	28.5	28.5	28.5		
	0.024	26.5	26.4	26.5		
	0.014	26.5	26.4	26.5		
	0.010	24.4	24.4	24.4		
	0.007	24.4	24.4	24.4		
	0.003	20.4	20.3	20.4		
	0.001	14.3	14.2	14.2		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC2-4	DC2-4	DC2-4		
Sample I.D.		SYA889	SYA889-Dup	SYA889-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.49	2.49	2.49		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	110	100		
#20	1.00	93.3	93.3	93.3		
#40	0.425	88.2	89.4	88.8		
#60	0.250	84.0	84.4	84.2		
#100	0.150	73.6	73.8	73.7		
#200	0.075	58.4	58.7	58.6		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.036	40.4	40.5	40.5		
	0.024	34.4	34.4	34.4		
	0.014	32.4	32.4	32.4		
	0.010	30.3	30.4	30.4		
	0.007	28.3	28.3	28.3		
	0.003	22.2	20.2	21.2		
	0.001	16.2	16.2	16.2		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC2-5	DC2-5	DC2-5		
Sample I.D.		SYA890	SYA890-Dup	SYA890-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.45	2.45	2.45		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.2	97.4	97.3		
#40	0.425	95.0	95.0	95.0		
#60	0.250	90.4	89.8	90.1		
#100	0.150	76.4	75.2	75.8		
#200	0.075	51.4	50.9	51.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	29.4	29.3	29.4		
	0.024	29.4	29.3	29.4		
	0.014	27.3	27.2	27.3		
	0.010	27.3	25.2	26.2		
	0.007	25.2	25.2	25.2		
	0.004	21.0	21.0	21.0		
	0.002	12.6	12.6	12.6		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLL-1	TLL-1	TLL-1		
Sample I.D.		SYA891 D1	SYA891-Dup	SYA891-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.52	2.52	2.52		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	72.1	77.3	74.7		
#40	0.425	25.6	30.0	27.8		
#60	0.250	14.8	16.3	15.6		
#100	0.150	11.5	11.7	11.6		
#200	0.075	8.8	8.6	8.7		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	10.2	10.3	10.2		B
	0.025	8.2	8.2	8.2		B
	0.015	8.2	8.2	8.2		B
	0.010	8.2	8.2	8.2		B
	0.007	8.2	8.2	8.2		B
	0.004	4.1	4.1	4.1		B
	0.002	2.0	2.1	2.1		B

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLL-2	TLL-2	TLL-2		
Sample I.D.		SYA892	SYA892-Dup	SYA892-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.59	2.59	2.59		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	96.3	96.4	96.4		
#4	4.75	86.3	86.3	86.3		
#10	2.00	69.5	69.8	69.7		
#20	1.00	34.1	40.6	37.4		
#40	0.425	15.0	17.8	16.4		
#60	0.250	6.8	8.2	7.5		
#100	0.150	4.5	5.1	4.8		
#200	0.075	3.9	4.1	4.0		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	2.8	2.8	2.8		
	0.025	2.8	2.8	2.8		
	0.014	2.8	2.8	2.8		
	0.010	2.8	2.8	2.8		
	0.007	2.8	2.8	2.8		
	0.004	2.8	2.8	2.8		
	0.001	2.8	2.8	2.8		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location	TLL-3	TLL-3	TLL-3		
Sample I.D.	SYA893	SYA893-Dup	SYA893-Avg		
Date Collected	04/13/94	04/13/94	04/13/94		
Specific gravity	2.57	2.57	2.57		
Mechanical Analysis Data					
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	75.1	70.7	72.9		
#40	0.425	40.4	35.6	38.0		
#60	0.250	20.9	18.7	19.8		
#100	0.150	10.2	9.1	9.7		
#200	0.075	5.5	5.4	5.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	4.1	4.1	4.1		
	0.025	4.1	4.1	4.1		
	0.015	4.1	4.1	4.1		
	0.010	4.1	4.1	4.1		
	0.007	4.1	4.1	4.1		
	0.004	4.1	4.1	4.1		
	0.001	4.1	4.1	4.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		TLL-4	TLL-4	TLL-4		
Sample I.D.		SYA894	SYA894-Dup	SYA894-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.62	2.62	2.62		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	87.4	88.0	87.7		
#4	4.75	78.4	79.0	78.7		
#10	2.00	70.6	71.2	70.9		
#20	1.00	59.2	56.8	58.0		
#40	0.425	35.7	30.9	33.3		
#60	0.250	17.2	13.8	15.5	J	A
#100	0.150	8.1	4.0	6.1	J	A
#200	0.075	6.3	1.8	4.1	J	A
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	1.4	1.4	1.4		
	0.025	1.4	1.4	1.4		
	0.014	1.4	1.4	1.4		
	0.010	1.4	1.4	1.4		
	0.007	1.4	1.4	1.4		
	0.004	1.4	1.4	1.4		
	0.001	1.4	1.4	1.4		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLL-5	TLL-5	TLL-5		
Sample I.D.		SYA895	SYA895-Dup	SYA895-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.47	2.47	2.47		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	99.1	99.1	99.1		
#10	2.00	93.9	93.8	93.9		
#20	1.00	61.2	68.9	65.1		
#40	0.425	31.3	35.6	33.5		
#60	0.250	13.5	16.1	14.8		
#100	0.150	7.2	8.0	7.6		
#200	0.075	5.1	5.3	5.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.041	3.9	3.9	3.9		
	0.026	3.9	3.9	3.9		
	0.015	3.9	3.9	3.9		
	0.011	1.9	1.9	1.9		
	0.008	1.9	1.9	1.9		
	0.004	1.9	1.9	1.9		
	0.002	1.9	1.9	1.9		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLL-6	TLL-6	TLL-6		
Sample I.D.		SYA896 D1	SYA896-Dup	SYA896-Avg		
Date Collected		04/13/94	04/13/94	04/13/94		
Specific gravity		2.55	2.55	2.55		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	72.8	74.4	73.6		
#40	0.425	25.9	30.2	28.1		
#60	0.250	13.7	15.1	14.4		
#100	0.150	10.1	12.2	11.2		
#200	0.075	7.3	8.9	8.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	4.1	4.1	4.1		B
	0.025	4.1	4.1	4.1		B
	0.015	4.1	4.1	4.1		B
	0.010	4.1	4.1	4.1		B
	0.007	4.1	4.1	4.1		B
	0.004	4.1	4.1	4.1		B
	0.001	2.0	2.0	2.0		B

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location	TLU-1	TLU-1	TLU-1
Sample I.D.	SYA897 D2	SYA897-Dup	SYA897-Avg
Date Collected	04/14/94	04/14/94	04/14/94
Specific gravity	2.61	2.61	2.61

Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	94.7	95.1	94.9		
#10	2.00	82.3	82.2	82.3		B
#20	1.00	78.9	77.8	78.4		B
#40	0.425	71.7	70.8	71.3		B
#60	0.250	64.3	61.7	63.0		B
#100	0.150	54.5	52.8	53.7		B
#200	0.075	45.7	44.1	44.9		B
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.035	36.0	36.0	36.0		B
	0.022	32.7	32.7	32.7		B
	0.013	27.8	27.8	27.8		B
	0.009	26.1	26.1	26.2		B
	0.007	22.9	22.9	22.9		B
	0.003	18.0	18.0	18.0		B
	0.001	13.1	13.7	13.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLU-2	TLU-2	TLU-2		
Sample I.D.		SYA898	SYA898-Dup	SYA898-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.53	2.53	2.53		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	97.7	97.7	97.7		
#4	4.75	91.0	91.0	91.0		
#10	2.00	77.8	76.9	77.4		
#20	1.00	33.4	32.4	32.9		
#40	0.425	9.4	9.0	9.2		
#60	0.250	3.8	3.2	3.5		
#100	0.150	2.6	2.3	2.5		
#200	0.075	2.1	2.1	2.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	1.6	1.6	1.6		
	0.025	1.6	1.6	1.6		
	0.015	1.6	1.6	1.6		
	0.010	1.6	1.6	1.6		
	0.007	1.6	1.6	1.6		
	0.004	1.6	1.6	1.6		
	0.000	0.0	0.0	0.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLU-3	TLU-3	TLU-3		
Sample I.D.		SYA899	SYA899-Dup	SYA899-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.66	2.66	2.66		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	98.7	98.9	98.8		
#4	4.75	79.8	79.9	79.9		
#10	2.00	66.0	65.6	65.8		
#20	1.00	49.5	48.7	49.1		
#40	0.425	34.5	33.7	34.1		
#60	0.250	23.4	23.6	23.5		
#100	0.150	12.2	13.7	13.0		
#200	0.075	7.3	8.3	7.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	5.2	5.2	5.2		
	0.024	5.2	5.2	5.2		
	0.014	5.2	5.2	5.2		
	0.010	5.2	5.2	5.2		
	0.007	5.2	5.2	5.2		
	0.003	5.2	5.2	5.2		
	0.001	3.9	3.9	3.9		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLU-4	TLU-4	TLU-4		
Sample I.D.		SYA900	SYA900-Dup	SYA900-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.58	2.58	2.58		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	97.4	97.4	97.4		
#4	4.75	74.1	74.9	74.5		
#10	2.00	57.6	57.4	57.5		
#20	1.00	24.4	22.7	23.6		
#40	0.425	6.8	6.0	6.4		
#60	0.250	2.9	2.7	2.8		
#100	0.150	1.6	1.4	1.5		
#200	0.075	1.2	1.0	1.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	2.3	2.3	2.3		
	0.025	1.2	1.2	1.2		
	0.014	1.2	1.2	1.2		
	0.010	1.2	1.2	1.2		
	0.007	1.2	1.2	1.2		
	0.004	1.2	1.2	1.2		
	0.000	0.0	0.0	0.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLU-5	TLU-5	TLU-5		
Sample I.D.		SYA901	SYA901-Dup	SYA901-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.62	2.62	2.62		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	93.6	91.9	92.8		
#4	4.75	54.6	55.6	55.1		
#10	2.00	34.1	33.9	34.0		
#20	1.00	23.6	24.9	24.3		
#40	0.425	20.1	21.6	20.9		
#60	0.250	13.9	12.2	13.1		
#100	0.150	6.7	7.1	6.9		
#200	0.075	4.1	3.6	3.9		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	4.1	3.4	3.8		
	0.024	3.4	3.4	3.4		
	0.014	3.4	3.4	3.4		
	0.010	3.4	3.4	3.4		
	0.007	2.7	2.6	2.6		
	0.003	2.7	2.6	2.6		
	0.001	2.7	2.6	2.6		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		TLU-6	TLU-6	TLU-6		
Sample I.D.		SYA902	SYA902-Dup	SYA902-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.57	2.57	2.57		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	76.0	77.0	76.5		
#40	0.425	31.3	31.1	31.2		
#60	0.250	5.9	7.2	6.6		
#100	0.150	3.3	3.1	3.2		
#200	0.075	2.7	3.0	2.9		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	4.1	4.1	4.1		
	0.025	4.1	4.1	4.1		
	0.015	4.1	4.1	4.1		
	0.010	4.1	4.1	4.1		
	0.007	4.1	4.1	4.1		
	0.004	4.1	4.1	4.1		
	0.001	4.1	4.1	4.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		TLU-7	TLU-7	TLU-7		
Sample I.D.		SYA903 D2	SYA903-Dup	SYA903-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.55	2.55	2.55		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	97.4	97.4	97.4		
#4	4.75	86.5	86.2	86.4		
#10	2.00	57.7	70.1	63.9		B
#20	1.00	55.2	67.2	61.2		B
#40	0.425	50.3	60.4	55.4		B
#60	0.250	44.7	53.3	49.0		B
#100	0.150	37.3	45.0	41.2		B
#200	0.075	30.9	37.7	34.3		B
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.036	24.7	28.6	26.2		B
	0.023	23.5	25.7	24.6		B
	0.013	21.2	22.9	22.0		B
	0.010	18.8	22.9	20.8		B
	0.007	16.5	20.0	18.2		B
	0.003	12.9	15.7	14.3		B
	0.001	9.4	12.9	11.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		DC3-1	DC3-1	DC3-1		
Sample I.D.		SYA904	SYA904-Dup	SYA904-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.34	2.34	2.34		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.1	97.0	97.1		
#40	0.425	95.6	95.2	95.4		
#60	0.250	94.2	94.6	94.4		
#100	0.150	90.1	89.9	90.0		
#200	0.075	76.6	75.8	76.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	52.3	52.3	52.3		
	0.024	43.6	41.4	42.3		
	0.014	41.4	41.4	41.4		
	0.010	39.2	39.2	39.2		
	0.007	34.8	34.9	34.9		
	0.004	26.1	26.2	26.2		
	0.002	17.4	17.4	17.4		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #02 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		DC3-2	DC3-2	DC3-2		
Sample I.D.		SYA905	SYA905-Dup	SYA905-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.49	2.49	2.49		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	92.0	92.6	92.3		
#40	0.425	85.1	84.9	85.0		
#60	0.250	77.3	76.7	77.0		
#100	0.150	68.7	68.4	68.6		
#200	0.075	58.8	58.7	58.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	37.0	39.1	38.1		
	0.024	35.0	35.0	35.0		
	0.014	32.9	32.9	32.9		
	0.010	30.9	30.8	30.9		
	0.007	26.7	28.8	27.8		
	0.003	22.6	22.6	22.6		
	0.001	14.4	14.4	14.4		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Analysis Type: SAS Grain Size

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location	BDCE-3	BDCE-3	BDCE-3
Sample I.D.	SYA864	SYA864-Dup	SYA864-Avg
Date Collected	04/16/94	04/16/94	04/16/94
Specific gravity	2.37	2.37	2.37

Mechanical Analysis Data

Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.8	98.0	97.9		
#40	0.425	95.5	95.6	95.6		
#60	0.250	93.4	93.3	93.4		
#100	0.150	89.4	89.4	89.4		
#200	0.075	75.0	74.9	75.0		

Hydrometer Analysis Data

Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	51.3	51.4	51.4		
	0.025	29.9	30.0	30.0		
	0.015	25.7	25.7	25.7		
	0.010	23.5	23.6	23.5		
	0.007	21.4	21.4	21.4		
	0.004	19.2	19.3	19.3		
	0.002	15.0	15.0	15.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		BDCW-1	BDCW-1	BDCW-1		
Sample I.D.		SYA865	SYA865-Dup	SYA865-Avg		
Date Collected		04/16/94	04/16/94	04/16/94		
Specific gravity		2.32	2.32	2.32		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	98.9	98.5	98.7		
#40	0.425	96.2	95.9	96.0		
#60	0.250	90.5	90.0	90.2		
#100	0.150	68.2	68.2	68.2		
#200	0.075	39.3	39.7	39.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.041	26.5	26.4	26.4		
	0.026	19.8	19.8	19.8		
	0.015	19.8	19.8	19.8		
	0.011	15.4	15.4	15.4		
	0.008	15.4	15.4	15.4		
	0.004	11.0	11.0	11.0		
	0.002	6.6	6.6	6.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		BDCW-2	BDCW-2	BDCW-2		
Sample I.D.		SYA866	SYA866-Dup	SYA866-Avg		
Date Collected		04/16/94	04/16/94	04/16/94		
Specific gravity		2.24	2.24	2.24		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.3	97.4	97.4		
#40	0.425	93.0	93.4	93.2		
#60	0.250	84.4	84.8	84.6		
#100	0.150	65.3	65.0	65.2		
#200	0.075	44.9	44.8	44.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.041	26.7	26.7	26.7		
	0.026	24.5	24.5	24.5		
	0.015	20.0	20.1	20.1		
	0.011	17.8	17.8	17.8		
	0.008	17.8	17.8	17.8		
	0.004	13.4	13.4	13.4		
	0.002	8.9	8.9	8.9		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		BDCW-3	BDCW-3	BDCW-3		
Sample I.D.		SYA870	SYA870-Dup	SYA870-Avg		
Date Collected		04/16/94	04/16/94	04/16/94		
Specific gravity		2.36	2.36	2.36		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.7	97.8	97.8		
#40	0.425	95.3	95.5	95.4		
#60	0.250	92.9	93.3	93.1		
#100	0.150	88.4	88.6	88.5		
#200	0.075	71.7	70.7	71.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	34.8	34.8	34.8		
	0.025	28.3	28.3	28.3		
	0.015	26.1	26.1	26.1		
	0.010	23.9	23.9	23.9		
	0.007	23.9	23.9	23.9		
	0.004	23.9	23.9	23.9		
	0.002	13.0	15.2	14.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC3-3	DC3-3	DC3-3		
Sample I.D.		SYA906	SYA906-Dup	SYA906-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.15	2.15	2.15		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.1	95.6	95.4		
#40	0.425	90.9	90.6	90.8		
#60	0.250	87.1	86.6	86.8		
#100	0.150	78.6	78.4	78.5		
#200	0.075	67.9	66.4	67.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	56.1	56.1	56.1		
	0.025	46.8	46.8	46.8		
	0.015	42.1	42.1	42.1		
	0.011	39.8	37.4	38.6		
	0.008	35.1	35.1	35.1		
	0.004	28.1	28.1	28.1		
	0.002	18.7	21.0	19.9		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC3-4	DC3-4	DC3-4		
Sample I.D.		SYA907	SYA907-Dup	SYA907-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.47	2.47	2.47		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	90.0	90.1	90.0		
#40	0.425	80.2	79.8	80.0		
#60	0.250	74.2	94.2	74.2		
#100	0.150	68.9	69.2	69.0		
#200	0.075	61.5	62.1	61.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	45.4	49.5	47.5		
	0.024	39.2	39.2	39.2		
	0.014	35.1	35.1	35.1		
	0.010	31.0	28.9	29.9		
	0.007	28.9	26.8	27.9		
	0.004	20.7	20.6	20.6		
	0.001	16.5	18.6	17.6		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC3-5	DC3-5	DC3-5		
Sample I.D.		SYA908	SYA908-Dup	SYA908-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.40	2.40	2.40		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	96.9	97.2	97.0		
#40	0.425	93.3	93.3	93.3		
#60	0.250	89.2	89.1	89.2		
#100	0.150	80.7	80.1	80.4		
#200	0.075	62.9	62.1	62.5		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	42.8	47.0	44.9		
	0.024	38.5	38.5	38.5		
	0.014	32.1	32.1	32.1		
	0.010	27.8	27.8	27.8		
	0.007	25.7	25.6	25.6		
	0.004	23.5	23.5	23.5		
	0.001	19.2	19.2	19.2		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC4-1	DC4-1	DC4-1		
Sample I.D.		SYA909	SYA909-Dup	SYA909-Avg		
Date Collected		04/14/94	04/14/94	04/14/94		
Specific gravity		2.66	2.66	2.66		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.9	95.8	95.8		
#40	0.425	70.9	69.6	70.2		
#60	0.250	41.2	40.8	41.0		
#100	0.150	24.1	24.9	24.5		
#200	0.075	16.7	18.9	17.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	8.0	8.0	8.0		
	0.024	8.0	8.0	8.0		
	0.014	8.0	8.0	8.0		
	0.010	8.0	8.0	8.0		
	0.007	8.0	8.0	8.0		
	0.003	6.0	8.0	7.0		
	0.001	6.0	6.0	6.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location	DC4-2	DC4-2	DC4-2		
Sample I.D.	SYA910	SYA910-Dup	SYA910-Avg		
Date Collected	04/15/94	04/15/94	04/15/94		
Specific gravity	2.05	2.05	2.05		
Mechanical Analysis Data					
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	98.9	99.3	99.1		
#40	0.425	97.4	97.6	97.5		
#60	0.250	95.1	95.4	95.2		
#100	0.150	89.9	89.9	89.9		
#200	0.075	75.7	75.4	75.6		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.010	55.0	52.6	53.8		
	0.026	47.8	45.4	46.6		
	0.015	40.7	40.7	40.7		
	0.011	38.3	35.9	37.1		
	0.008	33.5	33.5	33.5		
	0.004	26.3	26.3	26.3		
	0.002	19.1	19.1	19.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		DC4-3	DC4-3	DC4-3		
Sample I.D.		SYA911	SYA911-Dup	SYA911-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.29	2.29	2.29		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.2	65.2	95.2		
#40	0.425	90.1	90.9	90.5		
#60	0.250	84.1	84.6	84.4		
#100	0.150	75.0	75.3	75.2		
#200	0.075	60.2	59.5	59.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	42.1	42.1	42.1		
	0.025	31.0	31.0	31.0		
	0.015	26.6	26.6	26.6		
	0.011	22.1	22.1	22.1		
	0.008	19.9	19.9	19.9		
	0.004	17.7	17.7	17.7		
	0.002	13.3	13.3	13.3		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC4-4	DC4-4	DC4-4		
Sample I.D.		SYA912	SYA912-Dup	SYA912-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.35	2.35	2.35		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	95.5	95.5	95.5		
#4	4.75	90.1	89.9	90.0		
#10	2.00	75.7	75.8	75.8		
#20	1.00	71.2	71.5	71.4		
#40	0.425	67.5	67.6	67.6		
#60	0.250	64.4	64.4	64.4		
#100	0.150	59.2	58.8	59.0		
#200	0.075	49.6	48.2	48.9		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	23.1	23.1	23.0		
	0.025	19.8	19.8	19.8		
	0.015	18.1	18.1	18.1		
	0.010	16.5	16.5	16.5		
	0.007	14.8	14.8	14.8		
	0.004	13.2	13.2	13.2		
	0.002	9.9	9.9	9.9		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		DC4-5	DC4-5	DC4-5		
Sample I.D.		SYA913-D1	SYA913-Dup	SYA913-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.34	2.34	2.34		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	92.8	91.7	92.2		
#40	0.425	87.0	86.8	86.9		
#60	0.250	82.8	81.6	82.2		
#100	0.150	76.2	75.5	75.8		
#200	0.075	64.0	63.7	63.8		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	38.6	38.5	38.6		
	0.025	34.3	34.3	34.3		
	0.015	25.7	25.7	25.7		
	0.010	23.6	23.6	23.6		
	0.007	21.4	21.4	21.4		
	0.004	17.2	17.1	17.1		
	0.002	12.9	12.8	12.9		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		DC4-6	DC4-6	DC4-6		
Sample I.D.		SYA914 D1	SYA914-Dup	SYA914-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.33	2.33	2.33		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	92.3	92.8	92.6		
#40	0.425	87.2	87.3	87.2		
#60	0.250	83.4	83.0	83.2		
#100	0.150	76.6	76.5	76.6		
#200	0.075	65.3	65.2	65.2		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	34.8	34.8	34.8		
	0.025	30.4	30.4	30.4		
	0.015	28.3	28.3	28.3		
	0.010	23.9	23.9	23.9		
	0.007	21.7	21.7	21.7		
	0.004	17.4	17.4	17.4		
	0.002	13.0	13.0	13.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		TLU-8	TLU-8	TLU-8		
Sample I.D.		SYA915	SYA915-Dup	SYA915-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.50	2.50	2.50		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	88.6	89.2	88.9		
#40	0.425	63.7	64.0	63.8		
#60	0.250	46.4	48.2	47.3		
#100	0.150	33.4	34.4	33.9		
#200	0.075	20.0	21.1	20.6		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	20.4	20.4	20.4		
	0.025	8.1	8.2	8.2		
	0.015	4.1	4.1	4.1		
	0.010	4.1	4.1	4.1		
	0.007	4.1	4.1	4.1		
	0.004	4.1	4.1	4.1		
	0.002	4.1	4.1	4.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		TLU-9	TLU-9	TLU-9		
Sample I.D.		SYA916	SYA916-Dup	SYA916-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.35	2.35	2.35		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	97.4	97.4	97.4		
#40	0.425	93.3	93.2	93.2		
#60	0.250	87.9	87.9	87.9		
#100	0.150	73.1	73.0	73.0		
#200	0.075	52.2	52.0	52.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.039	34.6	34.6	34.6		
	0.025	25.9	25.9	25.9		
	0.015	23.8	23.8	23.8		
	0.010	23.8	23.8	23.8		
	0.007	21.6	23.8	22.7		
	0.004	17.3	17.3	17.3		
	0.002	13.0	13.0	13.0		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLL-7	TLL-7	TLL-7		
Sample I.D.		SYA917	SYA917-Dup	SYA917-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.52	2.52	2.52		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	94.8	95.2	95.0		
#40	0.425	80.1	80.4	80.2		
#60	0.250	59.2	58.8	59.0		
#100	0.150	25.9	36.5	31.2	J	A
#200	0.075	14.5	24.5	19.6	J	A
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.040	12.3	12.3	12.3		
	0.025	8.2	8.2	8.2		
	0.015	8.2	8.2	8.2		
	0.010	8.2	8.2	8.2		
	0.007	8.2	8.2	8.2		
	0.004	6.2	6.1	6.2		
	0.001	6.2	6.1	6.2		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Analysis Type: SAS Grain Size

Station Location		TLL-8	TLL-8	TLL-8		
Sample I.D.		SYA918	SYA918-Dup	SYA918-Avg		
Date Collected		04/15/94	04/15/94	04/15/94		
Specific gravity		2.45	2.45	2.45		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	95.3	95.7	95.5		
#40	0.425	89.9	89.8	89.8		
#60	0.250	82.3	82.3	82.3		
#100	0.150	66.8	67.1	67.0		
#200	0.075	52.5	52.3	52.4		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.038	37.7	37.7	37.7		
	0.024	29.4	29.3	29.3		
	0.014	23.1	20.9	22.0		
	0.010	18.9	16.8	17.8		
	0.007	12.6	12.6	12.6		
	0.004	10.5	10.5	10.5		
	0.002	6.3	6.3	6.3		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Lab.: Southwest Research Institute (SWRI)
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		BDCE-1	BDCE-1	BDCE-1		
Sample I.D.		SYA919	SYA919-Dup	SYA919-Avg		
Date Collected		04/16/94	04/16/94	04/16/94		
Specific gravity		2.56	2.56	2.56		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	94.4	93.9	94.2		
#40	0.425	88.3	88.0	88.2		
#60	0.250	82.6	82.5	82.6		
#100	0.150	73.5	72.9	73.2		
#200	0.075	58.2	58.0	58.1		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.037	28.5	28.5	28.5		
	0.024	24.4	24.4	24.4		
	0.014	20.3	20.3	20.3		
	0.010	18.3	18.3	18.3		
	0.007	18.3	16.3	16.3		
	0.003	14.2	14.2	14.2		
	0.001	10.2	10.1	10.1		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

ANALYTICAL RESULTS
Table 1A

Case No.: SAS 8357Y-02 Memo #03 Analysis Type: SAS Grain Size
Site: Montrose
Reviewer: Chris Davis, ESAT/ICF Kaiser
Reviewer: Chris Davis, ESAT/ICF Kaiser
Date: July 5, 1994

Station Location		BDCE-2	BDCE-2	BDCE-2		
Sample I.D.		SYA920	SYA920-Dup	SYA920-Avg		
Date Collected		04/16/94	04/16/94	04/16/94		
Specific gravity		2.43	2.43	2.43		
Mechanical Analysis Data						
Sieve Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
3.0 inches	76.20	100	100	100		
2.0 inches	50.80	100	100	100		
1.5 inches	38.10	100	100	100		
1.0 inches	25.40	100	100	100		
0.75 inches	19.05	100	100	100		
0.375 inches	9.53	100	100	100		
#4	4.75	100	100	100		
#10	2.00	100	100	100		
#20	1.00	96.6	96.3	96.4		
#40	0.425	93.2	92.7	93.0		
#60	0.250	90.5	89.9	90.2		
#100	0.150	85.0	84.8	84.9		
#200	0.075	70.5	70.4	70.4		
Hydrometer Analysis Data						
Particle Size	Size, mm	Percent finer	Percent finer	Percent finer	Val	Com
	0.036	50.4	50.4	50.4		
	0.024	29.4	29.4	29.4		
	0.014	25.2	25.2	25.2		
	0.010	21.0	21.0	21.0		
	0.007	18.9	18.9	18.9		
	0.004	16.8	18.9	17.8		
	0.002	12.6	12.6	12.6		

Dup - Duplicate Sample
Avg - Average of Sample and Duplicate Sample Results
Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comment Refer to the corresponding section in the Narrative for each letter

Biota

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #13
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 14, 1994

Analysis Type: Low and Medium Level Tissue Samples for SAS Volatiles

Concentration in ug/Kg

Level	Medium			Medium			Low			Low			Low		
Station Location	TLDC-1			DC3-1			TLU-1			TLU-2			DC-1		
Sample I.D.	SYB069 D1			SYB074			SYB075			SYB076			SYB077		
Date of Collection	04/16/94			04/16/94			04/16/94			04/16/94			04/16/94		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	880 U		C	850 U		C	100 U			110 U			94 U		
Bromomethane	880 U		C	850 U		C	100 U			110 U			94 U		
Vinyl chloride	880 U		C	850 U		C	100 U			110 U			94 U		
Chloroethane	880 U		C	850 U		C	100 U			110 U			94 U		
Methylene chloride	880 U		C	230 L	J	ACD	100 U			47 L	J	AD	27 L	J	AD
Acetone	4600		C	7700		C	680			890			970		
Carbon disulfide	880 U		C	850 U		C	100 U			110 U			94 U		
1,1-Dichloroethene	880 U		C	850 U		C	100 U			110 U			94 U		
1,1-Dichloroethane	880 U		C	850 U		C	100 U			110 U			94 U		
cis-1,2-Dichloroethene	880 U		C	850 U		C	100 U			110 U			94 U		
trans-1,2-Dichloroethene	880 U		C	850 U		C	100 U			110 U			94 U		
Chloroform	880 U		C	850 U		C	100 U			110 U			94 U		
1,2-Dichloroethane	880 U		C	850 U		C	100 U			110 U			94 U		
2-Butanone	610 L	J	AC	850 U		C	100 U			110 U			94 U		
1,1,1-Trichloroethane	880 U		C	850 U		C	100 U			110 U			94 U		
Carbon tetrachloride	880 U	J	BC	850 U	J	BC	100 U	J	B	110 U	J	B	94 U	J	B
Bromodichloromethane	880 U		C	850 U		C	100 U			110 U			94 U		
1,2-Dichloropropane	880 U		C	850 U		C	100 U			110 U			94 U		
cis-1,3-Dichloropropene	880 U		C	850 U		C	100 U			110 U			94 U		
Trichloroethene	880 U		C	850 U		C	100 U			110 U			94 U		
Dibromochloromethane	880 U		C	850 U		C	100 U			110 U			94 U		
1,1,2-Trichloroethane	880 U		C	850 U		C	100 U			110 U			94 U		
Benzene	880 U		C	850 U		C	100 U			110 U			94 U		
trans-1,3-Dichloropropene	880 U		C	850 U		C	100 U			110 U			94 U		
Bromoform	880 U		C	850 U		C	100 U			110 U			94 U		
4-Methyl-2-pentanone	880 U		C	850 U		C	100 U			110 U			94 U		
2-Hexanone	880 U		C	850 U		C	100 U			110 U			94 U		
Tetrachloroethene	880 U		C	850 U		C	100 U			110 U			94 U		
1,1,2,2-Tetrachloroethane	880 U		C	850 U		C	100 U			110 U			94 U		
Toluene	880 U		C	850 U		C	100 U			110 U			94 U		
Chlorobenzene	880 U		C	850 U		C	100 U			110 U			94 U		
Ethylbenzene	880 U		C	850 U		C	100 U			110 U			94 U		
Styrene	880 U		C	850 U		C	100 U			110 U			94 U		
Xylene (ortho-)	880 U		C	850 U		C	100 U			110 U			94 U		
Xylene (meta- & para-)	880 U		C	850 U		C	100 U			110 U			94 U		
% Lipids	1.21 %			1.03 %			0.77 %			0.75 %			0.56 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #13
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 14, 1994

Analysis Type: Low and Medium Level Tissue Samples for SAS Volatiles

Concentration in ug/Kg

Level	Low			Low			Medium			Low			Medium		
Station Location	DC-2			DC-4			Method Blank			Method Blank					
Sample I.D.	SYB078			SYB079			VBLK006			VBLK007			CRQL		
Date of Collection	04/16/94			04/15/94											
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	100 U			120 U			1200 U			10 U			1200		
Bromomethane	100 U			120 U			1200 U			10 U			1200		
Vinyl chloride	100 U			120 U			1200 U			10 U			1200		
Chloroethane	100 U			120 U			1200 U			10 U			1200		
Methylene chloride	39 L	J	AD	69 L	J	AD	1200 U			10 U			1200		
Acetone	650			120 U			1200 U			10 U			1200		
Carbon disulfide	100 U			120 U			1200 U			10 U			1200		
1,1-Dichloroethene	100 U			120 U			1200 U			10 U			1200		
1,1-Dichloroethane	100 U			120 U			1200 U			10 U			1200		
cis-1,2-Dichloroethene	100 U			120 U			1200 U			10 U			1200		
trans-1,2-Dichloroethene	100 U			120 U			1200 U			10 U			1200		
Chloroform	100 U			120 U			1200 U			10 U			1200		
1,2-Dichloroethane	100 U			120 U			1200 U			10 U			1200		
2-Butanone	57 L	J	A	340			1200 U			10 U			1200		
1,1,1-Trichloroethane	100 U			120 U			1200 U			10 U			1200		
Carbon tetrachloride	100 U	J	B	120 U	J	B	1200 U	J	B	10 U	J	B	1200		
Bromodichloromethane	100 U			120 U			1200 U			10 U			1200		
1,2-Dichloropropane	100 U			120 U			1200 U			10 U			1200		
cis-1,3-Dichloropropene	100 U			120 U			1200 U			10 U			1200		
Trichloroethene	100 U			120 U			1200 U			10 U			1200		
Dibromochloromethane	100 U			120 U			1200 U			10 U			1200		
1,1,2-Trichloroethane	100 U			120 U			1200 U			10 U			1200		
Benzene	100 U			120 U			1200 U			10 U			1200		
trans-1,3-Dichloropropene	100 U			120 U			1200 U			10 U			1200		
Bromoform	100 U			120 U			1200 U			10 U			1200		
4-Methyl-2-pentanone	100 U			120 U			1200 U			10 U			1200		
2-Hexanone	100 U			120 U			1200 U			10 U			1200		
Tetrachloroethene	100 U			120 U			1200 U			10 U			1200		
1,1,2,2-Tetrachloroethane	100 U			120 U			1200 U			10 U			1200		
Toluene	12 L	J	A	120 U			1200 U			10 U			1200		
Chlorobenzene	100 U			120 U			1200 U			10 U			1200		
Ethylbenzene	100 U			120 U			1200 U			10 U			1200		
Styrene	100 U			120 U			1200 U			10 U			1200		
Xylene (ortho-)	100 U			120 U			1200 U			10 U			1200		
Xylene (meta- & para-)	100 U			120 U			1200 U			10 U			1200		
% Lipids	0.75 %			0.28 %			NA			NA					

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #13
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 14, 1994

Analysis Type: Low and Medium Level Tissue Samples for SAS Volatiles

Concentration in ug/Kg

Level	Low														
Sample I.D.	CRQL														
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10														
Bromomethane	10														
Vinyl chloride	10														
Chloroethane	10														
Methylene chloride	10														
Acetone	10														
Carbon disulfide	10														
1,1-Dichloroethene	10														
1,1-Dichloroethane	10														
cis-1,2-Dichloroethene	10														
trans-1,2-Dichloroethene	10														
Chloroform	10														
1,2-Dichloroethane	10														
2-Butanone	10														
1,1,1-Trichloroethane	10														
Carbon tetrachloride	10														
Bromodichloromethane	10														
1,2-Dichloropropane	10														
cis-1,3-Dichloropropene	10														
Trichloroethene	10														
Dibromochloromethane	10														
1,1,2-Trichloroethane	10														
Benzene	10														
trans-1,3-Dichloropropene	10														
Bromoform	10														
4-Methyl-2-pentanone	10														
2-Hexanone	10														
Tetrachloroethene	10														
1,1,2,2-Tetrachloroethane	10														
Toluene	10														
Chlorobenzene	10														
Ethylbenzene	10														
Styrene	10														
Xylene (ortho-)	10														
Xylene (meta- & para-)	10														

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Low			Low			Low			Low			Low		
Station Location	CS-1			CS-2			CS-3			CS-4			CS-5		
Sample I.D.	SYB054 D1			SYB055 D1			SYB056			SYB057			SYB058		
Date of Collection	4/12/94			4/12/94			4/12/94			4/12/94			4/12/94		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Bromomethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Vinyl chloride	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Chloroethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Methylene chloride	15 L	J	AG	11 L	J	AFG	23 U		F	130 U		F	100 U		F
Acetone	50 U		H	13000	J	BFH	6100	J	BF	70000	J	BCDF	140000	J	BCDF
Carbon disulfide	50 U			37 U		F	23 U		F	130 U		F	100 U		F
1,1-Dichloroethene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
1,1-Dichloroethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
cis-1,2-Dichloroethene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
trans-1,2-Dichloroethene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Chloroform	50 U			37 U		F	23 U		F	130 U		F	100 U		F
1,2-Dichloroethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
2-Butanone	50		H	85		FH	100		F	130 U		F	250		F
1,1,1-Trichloroethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Carbon tetrachloride	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Bromodichloromethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
1,2-Dichloropropane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
cis-1,3-Dichloropropene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Trichloroethene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Dibromochloromethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
1,1,2-Trichloroethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Benzene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
trans-1,3-Dichloropropene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Bromoform	50 U			37 U		F	23 U		F	130 U		F	100 U		F
4-Methyl-2-pentanone	50 U			37 U		F	23 U		F	130 U		F	100 U		F
2-Hexanone	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Tetrachloroethene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
1,1,2,2-Tetrachloroethane	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Toluene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Chlorobenzene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Ethylbenzene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Styrene	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Xylene (ortho)	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Xylene (meta & para)	50 U			37 U		F	23 U		F	130 U		F	100 U		F
Percent Lipids	0.48		H	1.21		H	2.21			1.77			0.37		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Low			Medium			Low			Medium			Low		
Station Location	CS-6			TLL-1A			TLL-1B			TLL-1C			TLL-1D		
Sample I.D.	SYB059			SYB060 D2			SYB061			SYB062			SYB063		
Date of Collection	4/12/94			4/12/94			4/14/94			4/14/94			4/14/94		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Bromomethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Vinyl chloride	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Chloroethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Methylene chloride	170		FG	940 U		EF	48 U		F	920 U		E	30 L	J	AG
Acetone	37000	J	BCF	980		FH	2600	J	BF	3500			95 U		
Carbon disulfide	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
1,1-Dichloroethene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
1,1-Dichloroethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
cis-1,2-Dichloroethene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
trans-1,2-Dichloroethene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Chloroform	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
1,2-Dichloroethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
2-Butanone	68		F	1800		FH	870		F	920 U		E	2500	J	C
1,1,1-Trichloroethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Carbon tetrachloride	48 U		F	940 U		EF	48 U		F	920 U		E	95 U	J	B
Bromodichloromethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
1,2-Dichloropropane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
cis-1,3-Dichloropropene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Trichloroethene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Dibromochloromethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
1,1,2-Trichloroethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Benzene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
trans-1,3-Dichloropropene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Bromoform	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
4-Methyl-2-pentanone	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
2-Hexanone	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Tetrachloroethene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
1,1,2,2-Tetrachloroethane	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Toluene	48 U		F	940 U		EF	5 L	J	AF	920 U		E	95 U		
Chlorobenzene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Ethylbenzene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Styrene	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Xylene (ortho)	48 U		F	940 U		EF	48 U		F	920 U		E	95 U		
Xylene (meta & para)	48 U		F	940 U		EF	5 L	J	AF	920 U		E	95 U		
Percent Lipids	2.57			3.92			4.10			3.91			2.79		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Medium			Medium			Medium			Medium			Medium		
Station Location	TLL-1E			TLL-1F			TLL-1G			TLL-1H			TLL-1I		
Sample I.D.	SYB064			SYB065 D2			SYB066			SYB067			SYB068		
Date of Collection	4/14/94			4/14/94			4/14/94			4/14/94			4/14/94		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Bromomethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Vinyl chloride	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Chloroethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Methylene chloride	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Acetone	7600			4500		H	6600			16000			7400		
Carbon disulfide	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
1,1-Dichloroethene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
1,1-Dichloroethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
cis-1,2-Dichloroethene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
trans-1,2-Dichloroethene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Chloroform	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
1,2-Dichloroethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
2-Butanone	7300			940 U		EH	15000			14000			12000		
1,1,1-Trichloroethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Carbon tetrachloride	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Bromodichloromethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
1,2-Dichloropropane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
cis-1,3-Dichloropropene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Trichloroethene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Dibromochloromethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
1,1,2-Trichloroethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Benzene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
trans-1,3-Dichloropropene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Bromoform	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
4-Methyl-2-pentanone	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
2-Hexanone	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Tetrachloroethene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
1,1,2,2-Tetrachloroethane	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Toluene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Chlorobenzene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Ethylbenzene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Styrene	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Xylene (ortho)	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Xylene (meta & para)	1000 U		E	940 U		E	980 U		E	920 U		E	920 U		E
Percent Lipids	4.29			2.94			3.27			2.71			4.15		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2. etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Medium			Medium			Medium			Low			Low		
Station Location	TLDC-2			TLDC-3			TLDC-4			DC4-1			Method Blank		
Sample I.D.	SYB070 D3			SYB071			SYB072			SYB073			VBLK001		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94					
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	890 U		E	980 U		E	920 U	J	BE	41 U			10 U		
Bromomethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
Vinyl chloride	890 U		E	980 U		E	920 U		E	41 U			10 U		
Chloroethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
Methylene chloride	890 U		E	980 U		E	920 U		E	140		G	10 U		
Acetone	8000		H	7400			3500	J	B	13000			10 U		
Carbon disulfide	890 U		E	980 U		E	920 U		E	41 U			10 U		
1,1-Dichloroethene	890 U		E	980 U		E	920 U		E	41 U			10 U		
1,1-Dichloroethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
cis-1,2-Dichloroethene	890 U		E	980 U		E	920 U		E	41 U			10 U		
trans-1,2-Dichloroethene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Chloroform	890 U		E	980 U		E	920 U		E	41 U			10 U		
1,2-Dichloroethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
2-Butanone	890 U		E	980 U		E	920 U	J	BE	110			10 U		
1,1,1-Trichloroethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
Carbon tetrachloride	890 U		E	980 U		E	920 U	J	BE	41 U	J	B	10 U		
Bromodichloromethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
1,2-Dichloropropane	890 U		E	980 U		E	920 U		E	41 U			10 U		
cis-1,3-Dichloropropene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Trichloroethene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Dibromochloromethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
1,1,2-Trichloroethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
Benzene	890 U		E	980 U		E	920 U		E	41 U			10 U		
trans-1,3-Dichloropropene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Bromoform	890 U		E	980 U		E	920 U		E	41 U			10 U		
4-Methyl-2-pentanone	890 U		E	980 U		E	920 U		E	41 U			10 U		
2-Hexanone	890 U		E	980 U		E	920 U		E	41 U			10 U		
Tetrachloroethene	890 U		E	980 U		E	920 U		E	41 U			10 U		
1,1,2,2-Tetrachloroethane	890 U		E	980 U		E	920 U		E	41 U			10 U		
Toluene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Chlorobenzene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Ethylbenzene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Styrene	890 U		E	980 U		E	920 U		E	41 U			10 U		
Xylene (ortho)	890 U		E	980 U		E	920 U		E	41 U			10 U		
Xylene (meta & para)	890 U		E	980 U		E	920 U		E	6 L	J	A	10 U		
Percent Lipids	1.35			1.57			1.57			1.28			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Low			Low			Low			Medium			Medium		
Sample I.D.	Method Blank VBLK002			Method Blank VBLK003			Method Blank VBLK004			Method Blank VBLK005			Method Blank VBLK006		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			10 U			10 U			1000 U			1000 U		
Bromomethane	10 U			10 U			10 U			1000 U			1000 U		
Vinyl chloride	10 U			10 U			10 U			1000 U			1000 U		
Chloroethane	10 U			10 U			10 U			1000 U			1000 U		
Methylene chloride	10 U			10 U			10 U			1000 U			1000 U		
Acetone	9 L	J	AB	10 U			15			1000 U			1000 U		
Carbon disulfide	10 U			10 U			10 U			1000 U			1000 U		
1,1-Dichloroethene	10 U			10 U			10 U			1000 U			1000 U		
1,1-Dichloroethane	10 U			10 U			10 U			1000 U			1000 U		
cis-1,2-Dichloroethene	10 U			10 U			10 U			1000 U			1000 U		
trans-1,2-Dichloroethene	10 U			10 U			10 U			1000 U			1000 U		
Chloroform	10 U			10 U			10 U			1000 U			1000 U		
1,2-Dichloroethane	10 U			10 U			10 U			1000 U			1000 U		
2-Butanone	10 U			10 U			10 U			1000 U			1000 U		
1,1,1-Trichloroethane	10 U			10 U			10 U			1000 U			1000 U		
Carbon tetrachloride	10 U			10 U			10 U			1000 U			1000 U	J	B
Bromodichloromethane	10 U			10 U			10 U			1000 U			1000 U		
1,2-Dichloropropane	10 U			10 U			10 U			1000 U			1000 U		
cis-1,3-Dichloropropene	10 U			10 U			10 U			1000 U			1000 U		
Trichloroethene	10 U			10 U			10 U			1000 U			1000 U		
Dibromochloromethane	10 U			10 U			10 U			1000 U			1000 U		
1,1,2-Trichloroethane	10 U			10 U			10 U			1000 U			1000 U		
Benzene	10 U			10 U			10 U			1000 U			1000 U		
trans-1,3-Dichloropropene	10 U			10 U			10 U			1000 U			1000 U		
Bromoform	10 U			10 U			10 U			1000 U			1000 U		
4-Methyl-2-pentanone	10 U			10 U			10 U			1000 U			1000 U		
2-Hexanone	10 U			10 U			10 U			1000 U			1000 U		
Tetrachloroethene	10 U			10 U			10 U			1000 U			1000 U		
1,1,2,2-Tetrachloroethane	10 U			10 U			10 U			1000 U			1000 U		
Toluene	10 U			10 U			10 U			1000 U			1000 U		
Chlorobenzene	10 U			10 U			10 U			1000 U			1000 U		
Ethylbenzene	10 U			10 U			10 U			1000 U			1000 U		
Styrene	10 U			10 U			10 U			1000 U			1000 U		
Xylene (ortho)	10 U			10 U			10 U			1000 U			1000 U		
Xylene (meta & para)	10 U			10 U			10 U			1000 U			1000 U		
Percent Lipids	N/A			N/A			N/A			N/A			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Low			Medium			Medium			Medium			Low		
Sample I.D.	Method Blank VBLK007			Method Blank VBLK008			Method Blank VBLK009			Method Blank VBLK010			CRQL		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chloromethane	10 U			1000 U	J	B	1000 U			1000 U			10		
Bromomethane	10 U			1000 U			1000 U			1000 U			10		
Vinyl chloride	10 U			1000 U			1000 U			1000 U			10		
Chloroethane	10 U			1000 U			1000 U			1000 U			10		
Methylene chloride	10 U			1000 U			1000 U			1000 U			10		
Acetone	10 U			1000 U	J	B	1000 U			1000 U			10		
Carbon disulfide	10 U			1000 U			1000 U			1000 U			10		
1,1-Dichloroethene	10 U			1000 U			1000 U			1000 U			10		
1,1-Dichloroethane	10 U			1000 U			1000 U			1000 U			10		
cis-1,2-Dichloroethene	10 U			1000 U			1000 U			1000 U			10		
trans-1,2-Dichloroethene	10 U			1000 U			1000 U			1000 U			10		
Chloroform	10 U			1000 U			1000 U			1000 U			10		
1,2-Dichloroethane	10 U			1000 U			1000 U			1000 U			10		
2-Butanone	10 U			1000 U	J	B	1000 U			1000 U			10		
1,1,1-Trichloroethane	10 U			1000 U			1000 U			1000 U			10		
Carbon tetrachloride	10 U	J	B	1000 U	J	B	1000 U			1000 U			10		
Bromodichloromethane	10 U			1000 U			1000 U			1000 U			10		
1,2-Dichloropropane	10 U			1000 U			1000 U			1000 U			10		
cis-1,3-Dichloropropene	10 U			1000 U			1000 U			1000 U			10		
Trichloroethene	10 U			1000 U			1000 U			1000 U			10		
Dibromochloromethane	10 U			1000 U			1000 U			1000 U			10		
1,1,2-Trichloroethane	10 U			1000 U			1000 U			1000 U			10		
Benzene	10 U			1000 U			1000 U			1000 U			10		
trans-1,3-Dichloropropene	10 U			1000 U			1000 U			1000 U			10		
Bromoform	10 U			1000 U			1000 U			1000 U			10		
4-Methyl-2-pentanone	10 U			1000 U			1000 U			1000 U			10		
2-Hexanone	10 U			1000 U			1000 U			1000 U			10		
Tetrachloroethene	10 U			1000 U			1000 U			1000 U			10		
1,1,2,2-Tetrachloroethane	10 U			1000 U			1000 U			1000 U			10		
Toluene	10 U			1000 U			1000 U			1000 U			10		
Chlorobenzene	10 U			1000 U			1000 U			1000 U			10		
Ethylbenzene	10 U			1000 U			1000 U			1000 U			10		
Styrene	10 U			1000 U			1000 U			1000 U			10		
Xylene (ortho)	10 U			1000 U			1000 U			1000 U			10		
Xylene (meta & para)	10 U			1000 U			1000 U			1000 U			10		
Percent Lipids	N/A			N/A			N/A			N/A			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #15
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Frank Arceneaux, ESAT/ICF Kaiser
Date: October 7, 1994

Analysis Type: Low and Medium Level Biota Samples for SAS Volatiles

Concentration in ug/Kg

Level	Medium		
Sample I.D.	CRQL		
Volatile Compound	**Result**	**Val**	**Com**
Chloromethane	1000		
Bromomethane	1000		
Vinyl chloride	1000		
Chloroethane	1000		
Methylene chloride	1000		
Acetone	1000		
Carbon disulfide	1000		
1,1-Dichloroethene	1000		
1,1-Dichloroethane	1000		
cis-1,2-Dichloroethene	1000		
trans-1,2-Dichloroethene	1000		
Chloroform	1000		
1,2-Dichloroethane	1000		
2-Butanone	1000		
1,1,1-Trichloroethane	1000		
Carbon tetrachloride	1000		
Bromodichloromethane	1000		
1,2-Dichloropropane	1000		
cis-1,3-Dichloropropene	1000		
Trichloroethene	1000		
Dibromochloromethane	1000		
1,1,2-Trichloroethane	1000		
Benzene	1000		
trans-1,3-Dichloropropene	1000		
Bromoform	1000		
4-Methyl-2-pentanone	1000		
2-Hexanone	1000		
Tetrachloroethene	1000		
1,1,2,2-Tetrachloroethane	1000		
Toluene	1000		
Chlorobenzene	1000		
Ethylbenzene	1000		
Styrene	1000		
Xylene (ortho)	1000		
Xylene (meta & para)	1000		
Percent Lipids	N/A		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
NA-Not Analyzed
BG-Background Sample
N/A-Not Applicable

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #16
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 19, 1994

Analysis Type: Low Level Tissue Samples for SAS Semivolatiles

Concentration in ug/Kg

Station Location	TLDC-1			DC3-1			TLU-1			TLU-2			DC-1			DC-2			DC-4		
Sample I.D.	SYB069 D1			SYB074			SYB075			SYB076			SYB077			SYB078			SYB079		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/15/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	990 U		GIJ	6900		G	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
bis(2-Chloroethyl)ether	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2-Chlorophenol	990 U		GIJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
1,3-Dichlorobenzene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
1,4-Dichlorobenzene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
1,2-Dichlorobenzene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2-Methylphenol	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,2'-oxybis(1-Chloropropane)	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
4-Methylphenol	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
N-Nitroso-di-n-propylamine	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Hexachloroethane	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Nitrobenzene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Isophorone	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2-Nitrophenol	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,4-Dimethylphenol	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
bis(2-Chloroethoxy)methane	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,4-Dichlorophenol	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
1,2,4-Trichlorobenzene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Naphthalene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
4-Chloroaniline	990 U	J	EGJ	990 U	J	EGJ	990 U	J	EGJ	990 U	J	EFGJ	990 U	R	AEGJ	990 U	R	AEGJ	990 U	R	AEGJ
Hexachlorobutadiene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
4-Chloro-3-methylphenol	990 U		GIJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2-Methylnaphthalene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Hexachlorocyclopentadiene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,4,6-Trichlorophenol	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,4,5-Trichlorophenol	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	J	FGJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
2-Chloronaphthalene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2-Nitroaniline	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	J	FGJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
Dimethylphthalate	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Acenaphthylene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,6-Dinitrotoluene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
3-Nitroaniline	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	J	FGJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ

Station Location	TLDC-1			DC3-1			TLU-1			TLU-2			DC-1			DC-2			DC-4		
Sample I.D.	SYB069 D1			SYB074			SYB075			SYB076			SYB077			SYB078			SYB079		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/15/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Acenaphthene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,4-Dinitrophenol	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	J	FGJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
4-Nitrophenol	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	J	FGJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
Dibenzofuran	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
2,4-Dinitrotoluene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Diethylphthalate	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
4-Chlorophenyl phenyl ether	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Fluorene	990 U		GJ	990 U		GJ	990 U		GJ	990 U	J	FGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
4-Nitroaniline	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	J	FGJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
4,6-Dinitro-2-methylphenol	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
N-Nitrosodiphenylamine	990 U	J	EGJ	990 U	J	EGJ	990 U	J	EGJ	990 U	J	EGJ	990 U	R	AEGJ	990 U	R	AEGJ	990 U	R	AEGJ
4-Bromophenyl phenyl ether	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Hexachlorobenzene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Pentachlorophenol	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U		GJ	2500 U	R	AGJ	2500 U	R	AGJ	2500 U	R	AGJ
Phenanthrene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Anthracene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Carbazole	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Di-n-butylphthalate	990 U		GJ	740 L	J	CGH	740 L	J	CGH	270 L	J	CGH	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Fluoranthene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Pyrene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Butylbenzylphthalate	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
3,3'-Dichlorobenzidine	990 U	J	EGJ	990 U	J	EGJ	990 U	J	EGJ	990 U	J	EGJ	990 U	R	AEGJ	990 U	R	AEGJ	990 U	R	AEGJ
Benzo(a)anthracene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Chrysene	990 U		GJ	990 U		GJ	990 U		GJ	990 U		GJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
bis(2-Ethylhexyl)phthalate	990 U		GJ	990 U		GJ	400 L	J	CGH	340 L	J	CGH	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Di-n-octylphthalate	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Benzo(b)fluoranthene	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Benzo(k)fluoranthene	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Benzo(a)pyrene	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Indeno(1,2,3-cd)pyrene	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Dibenz(a,h)anthracene	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Benzo(g,h,i)perylene	990 U	J	FGJ	990 U		GJ	990 U		GJ	990 U	R	BGJ	990 U	R	AGJ	990 U	R	AGJ	990 U	R	AGJ
Percent Lipids	1.21			1.03			0.77			0.75			0.56			0.75			0.28		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #16
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Mary Hart, ESAT/ICF Kaiser
Date: October 19, 1994

Analysis Type: Low Level Tissue Samples for SAS Semivolatiles

Concentration in ug/Kg

Station Location	DC-1EGG			Method Blank			CRQL														
Sample I.D.	SYB080			SBLK02																	
Date of Collection	4/16/94																				
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	990 U		GJ	990 U		J	330														
bis(2-Chloroethyl)ether	990 U		GJ	990 U		J	330														
2-Chlorophenol	990 U		GJ	990 U		J	330														
1,3-Dichlorobenzene	990 U		GJ	990 U		J	330														
1,4-Dichlorobenzene	990 U		GJ	990 U		J	330														
1,2-Dichlorobenzene	990 U		GJ	990 U		J	330														
2-Methylphenol	990 U		GJ	990 U		J	330														
2,2'-oxybis(1-Chloropropane)	990 U		GJ	990 U		J	330														
4-Methylphenol	990 U		GJ	990 U		J	330														
N-Nitroso-di-n-propylamine	990 U		GJ	990 U		J	330														
Hexachloroethane	990 U		GJ	990 U		J	330														
Nitrobenzene	990 U		GJ	990 U		J	330														
Isophorone	990 U		GJ	990 U		J	330														
2-Nitrophenol	990 U		GJ	990 U		J	330														
2,4-Dimethylphenol	990 U		GJ	990 U		J	330														
bis(2-Chloroethoxy)methane	990 U		GJ	990 U		J	330														
2,4-Dichlorophenol	990 U		GJ	990 U		J	330														
1,2,4-Trichlorobenzene	990 U		GJ	990 U		J	330														
Naphthalene	990 U		GJ	990 U		J	330														
4-Chloroaniline	990 U	J	EGJ	990 U		J	330														
Hexachlorobutadiene	990 U		GJ	990 U		J	330														
4-Chloro-3-methylphenol	990 U		GJ	990 U		J	330														
2-Methylnaphthalene	990 U		GJ	990 U		J	330														
Hexachlorocyclopentadiene	990 U		GJ	990 U		J	330														
2,4,6-Trichlorophenol	990 U		GJ	990 U		J	330														
2,4,5-Trichlorophenol	2500 U		GJ	2500 U		J	800														
2-Chloronaphthalene	990 U		GJ	990 U		J	330														
2-Nitroaniline	2500 U		GJ	2500 U		J	800														
Dimethylphthalate	990 U		GJ	990 U		J	330														
Acenaphthylene	990 U		GJ	990 U		J	330														
2,6-Dinitrotoluene	990 U		GJ	990 U		J	330														
3-Nitroaniline	2500 U		GJ	2500 U		J	330														

Station Location	DC-1EGG			Method Blank			CRQL														
Sample I.D.	SYB080			SBLK02																	
Date of Collection	4/16/94																				
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Acenaphthene	990 U		GJ	990 U		J	330														
2,4-Dinitrophenol	2500 U		GJ	2500 U		J	800														
4-Nitrophenol	2500 U		GJ	2500 U		J	800														
Dibenzofuran	990 U		GJ	990 U		J	330														
2,4-Dinitrotoluene	990 U		GJ	990 U		J	330														
Diethylphthalate	990 U		GJ	990 U		J	330														
4-Chlorophenyl phenyl ether	990 U		GJ	990 U		J	330														
Fluorene	990 U		GJ	990 U		J	330														
4-Nitroaniline	2500 U		GJ	2500 U	J	EJ	800														
4,6-Dinitro-2-methylphenol	2500 U		GJ	2500 U		J	800														
N-Nitrosodiphenylamine	990 U	J	EGJ	990 U		J	330														
4-Bromophenyl phenyl ether	990 U		GJ	990 U		J	330														
Hexachlorobenzene	990 U		GJ	990 U		J	330														
Pentachlorophenol	2500 U		GJ	2500 U		J	800														
Phenanthrene	990 U		GJ	990 U		J	330														
Anthracene	990 U		GJ	990 U		J	330														
Carbazole	990 U		GJ	990 U	J	EJ	330														
Di-n-butylphthalate	990 U		GJ	990 U		J	330														
Fluoranthene	990 U		GJ	990 U		J	330														
Pyrene	990 U		GJ	990 U		J	330														
Butylbenzylphthalate	990 U		GJ	990 U		J	330														
3,3'-Dichlorobenzidine	990 U	J	EGJ	990 U	J	DJ	330														
Benzo(a)anthracene	990 U		GJ	990 U		J	330														
Chrysene	990 U		GJ	990 U		J	330														
bis(2-Ethylhexyl)phthalate	990 U		GJ	990 U		J	330														
Di-n-octylphthalate	990 U		GJ	990 U	J	EJ	330														
Benzo(b)fluoranthene	990 U		GJ	990 U		J	330														
Benzo(k)fluoranthene	990 U		GJ	990 U		J	330														
Benzo(a)pyrene	990 U		GJ	990 U		J	330														
Indeno(1,2,3-cd)pyrene	990 U		GJ	990 U	J	EJ	330														
Dibenz(a,h)anthracene	990 U		GJ	990 U	J	EJ	330														
Benzo(g,h,i)perylene	990 U		GJ	990 U		J	330														
Percent Lipid	16.4			NA																	

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Applicable

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

Case No.: R94S12 Memo #17

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Margaret L. May, ESAT/ICF Kaiser

Date: October 25, 1994

TABLE 1A

Analysis Type: Low Level Tissue Samples for SAS Semivolatiles

Concentration in ug/Kg

Station Location	CS-1			CS-2			CS-3			CS-4			CS-5			CS-6			TLL-1A		
Sample I.D.	SYB054 D1			SYB055 D1			SYB056			SYB057			SYB058			SYB059			SYB060 D2		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/14/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		J
bis(2-Chloroethyl)ether	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2-Chlorophenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		J
1,3-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
1,4-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
1,2-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2-Methylphenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,2'-oxybis(1-Chloropropane)	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
4-Methylphenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			9100		IK
N-Nitroso-di-n-propylamine	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Hexachloroethane	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Nitrobenzene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Isophorone	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2-Nitrophenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,4-Dimethylphenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
bis(2-Chloroethoxy)methane	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,4-Dichlorophenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
1,2,4-Trichlorobenzene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Naphthalene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
4-Chloroaniline	990 U			990 U			990 U			990 U	J	D	990 U	R	AD	990 U	J	D	990 U	J	D
Hexachlorobutadiene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
4-Chloro-3-methylphenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		J
2-Methylnaphthalene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Hexachlorocyclopentadiene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,4,6-Trichlorophenol	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,4,5-Trichlorophenol	2500 U			2500 U			2500 U			2500 U			2500 U	R	A	2500 U			2500 U		
2-Chloronaphthalene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2-Nitroaniline	2500 U			2500 U			2500 U			2500 U	J	D	2500 U	R	AD	2500 U	J	D	2500 U	J	D
Dimethylphthalate	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Acenaphthylene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,6-Dinitrotoluene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
3-Nitroaniline	2500 U			2500 U			2500 U			2500 U			2500 U	R	A	2500 U			2500 U		

Station Location	CS-1			CS-2			CS-3			CS-4			CS-5			CS-6			TLL-1A		
Sample I.D.	SYB054 D1			SYB055 D1			SYB056			SYB057			SYB058			SYB059			SYB060 D2		
Date of Collection	04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/12/94			04/14/94		
Semivolatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Acenaphthene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,4-Dinitrophenol	2500 U			2500 U			2500 U			2500 U	J	D	2500 U	R	AD	2500 U	J	D	2500 U	J	D
4-Nitrophenol	2500 U			2500 U			2500 U			2500 U	J	D	2500 U	R	AD	2500 U	J	D	2500 U	J	DJ
Dibenzofuran	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
2,4-Dinitrotoluene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Diethylphthalate	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
4-Chlorophenyl phenyl ether	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Fluorene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
4-Nitroaniline	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U			2500 U	R	A	2500 U			2500 U		
4,6-Dinitro-2-methylphenol	2500 U			2500 U			2500 U			2500 U			2500 U	R	A	2500 U			2500 U		
N-Nitrosodiphenylamine	990 U			990 U			990 U			990 U	J	D	990 U	R	AD	990 U	J	D	990 U	J	D
4-Bromophenyl phenyl ether	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Hexachlorobenzene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Pentachlorophenol	2500 U			2500 U			2500 U			2500 U			2500 U	R	A	2500 U			2500 U		
Phenanthrene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Anthracene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Carbazole	990 U	J	D	990 U	J	D	990 U	J	D	990 U			990 U	R	A	990 U			990 U		
Di-n-butylphthalate	990 U			990 U			990 U			1400		H	990 U	R	A	2500		H	990 U		
Fluoranthene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Pyrene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Butylbenzylphthalate	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
3,3'-Dichlorobenzidine	990 U	J	C	990 U	J	C	990 U	J	C	990 U	J	CD	990 U	R	ACD	990 U	J	CD	990 U	J	CD
Benzo(a)anthracene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U		
Chrysene	990 U			990 U			990 U			990 U	J	D	990 U	R	AD	990 U	J	D	990 U	J	D
bis(2-Ethylhexyl)phthalate	17000		IK	400 L	J	BHK	990 U			310 L	J	BH	990 U	R	A	650 L	J	BH	990 U		
Di-n-octylphthalate	990 U	J	D	990 U	J	D	990 U	J	D	990 U			990 U	R	A	990 U			990 U	J	F
Benzo(b)fluoranthene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U	J	F
Benzo(k)fluoranthene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U	J	F
Benzo(a)pyrene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U	J	F
Indeno(1,2,3-cd)pyrene	990 U	J	D	990 U	J	D	990 U	J	D	990 U			990 U	R	A	990 U			990 U	J	F
Dibenz(a,h)anthracene	990 U	J	D	990 U	J	D	990 U	J	D	990 U			990 U	R	A	990 U			990 U	J	F
Benzo(g,h,i)perylene	990 U			990 U			990 U			990 U			990 U	R	A	990 U			990 U	J	F
Percent Lipid	0.48 %			1.21 %			2.21 %			1.77 %			0.37 %			2.57 %			3.92 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

Case No.: R94S12 Memo #17
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: October 25, 1994

TABLE 1A

Analysis Type: Low Level Tissue Samples for SAS Semivolatiles

Concentration in ug/Kg

Station Location	TLL-1B			TLL-1C			TLL-1D			TLL-1E			TLL-1F			TLL-1G			TLL-1H		
Sample I.D.	SYB061			SYB062			SYB063			SYB064			SYB065 D2			SYB066			SYB067		
Date of Collection	04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
bis(2-Chloroethyl)ether	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2-Chlorophenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
1,3-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
1,4-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
1,2-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2-Methylphenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,2'-oxybis(1-Chloropropane)	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
4-Methylphenol	9900	J	G	9700		I	6600			7800		I	5800	J	EK	7800		I	17000		I
N-Nitroso-di-n-propylamine	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Hexachloroethane	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Nitrobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Isophorone	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2-Nitrophenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,4-Dimethylphenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
bis(2-Chloroethoxy)methane	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,4-Dichlorophenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
1,2,4-Trichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Naphthalene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
4-Chloroaniline	990 U	J	D	990 U	J	D	990 U			990 U			990 U			990 U			990 U		
Hexachlorobutadiene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
4-Chloro-3-methylphenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2-Methylnaphthalene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Hexachlorocyclopentadiene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,4,6-Trichlorophenol	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,4,5-Trichlorophenol	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500 U		
2-Chloronaphthalene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2-Nitroaniline	2500 U	J	D	2500 U	J	D	2500 U			2500 U			2500 U			2500 U			2500 U		
Dimethylphthalate	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Acenaphthylene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,6-Dinitrotoluene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
3-Nitroaniline	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500 U		

Station Location	TLL-1B			TLL-1C			TLL-1D			TLL-1E			TLL-1F			TLL-1G			TLL-1H		
Sample I.D.	SYB061			SYB062			SYB063			SYB064			SYB065 D2			SYB066			SYB067		
Date of Collection	04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94			04/14/94		
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Acenaphthene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,4-Dinitrophenol	2500 U	J	D	2500 U	J	D	2500 U			2500 U			2500 U			2500 U			2500 U		
4-Nitrophenol	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D
Dibenzofuran	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
2,4-Dinitrotoluene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Diethylphthalate	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
4-Chlorophenyl phenyl ether	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Fluorene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
4-Nitroaniline	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500 U		
4,6-Dinitro-2-methylphenol	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500 U		
N-Nitrosodiphenylamine	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D
4-Bromophenyl phenyl ether	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Hexachlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Pentachlorophenol	2500 U			2500 U			2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D
Phenanthrene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Anthracene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Carbazole	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Di-n-butylphthalate	990 U			990 U			990 U			990 U			990 U			990 U			1100		H
Fluoranthene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Pyrene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Butylbenzylphthalate	990 U			990 U			990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D
3,3'-Dichlorobenzidine	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	CD
Benzo(a)anthracene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Chrysene	990 U	J	D	990 U	J	D	990 U			990 U			990 U			990 U			990 U		
bis(2-Ethylhexyl)phthalate	46000		I	4600		H	47000		I	12000		I	1500		H	990 U			990 U		
Di-n-octylphthalate	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Benzo(b)fluoranthene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Benzo(k)fluoranthene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Benzo(a)pyrene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Indeno(1,2,3-cd)pyrene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Dibenz(a,h)anthracene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Benzo(g,h,i)perylene	990 U			990 U			990 U			990 U			990 U			990 U			990 U		
Percent Lipid	4.10 %			3.91 %			2.79 %			4.29 %			2.94 %			3.27 %			2.71 %		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

Case No.: R94S12 Memo #17
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: October 25, 1994

TABLE 1A

Analysis Type: Low Level Tissue Samples for SAS Semivolatiles

Concentration in ug/Kg

Station Location	TLL-11			TLDC-2			TLDC-3			TLDC-4			DC4-1			Method Blank					
Sample I.D.	SYB068			SYB070 D3*			SYB071			SYB072			SYB073			SBLK01			CRQL		
Date of Collection	04/14/94			04/16/94			04/16/94			04/16/94			04/16/94								
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Phenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
bis(2-Chloroethyl)ether	990 U			990 U			990 U			990 U			990 U			990 U			990		
2-Chlorophenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
1,3-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990		
1,4-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990		
1,2-Dichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990		
2-Methylphenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,2'-oxybis(1-Chloropropane)	990 U			990 U			990 U			990 U			990 U			990 U			990		
4-Methylphenol	17000		I	990 U			990 U			990 U			990 U			990 U			990		
N-Nitroso-di-n-propylamine	990 U			990 U			990 U			990 U			990 U			990 U			990		
Hexachloroethane	990 U			990 U			990 U			990 U			990 U			990 U			990		
Nitrobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Isophorone	990 U			990 U			990 U			990 U			990 U			990 U			990		
2-Nitrophenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,4-Dimethylphenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
bis(2-Chloroethoxy)methane	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,4-Dichlorophenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
1,2,4-Trichlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Naphthalene	990 U			990 U			990 U			990 U			990 U			990 U			990		
4-Chloroaniline	990 U			990 U			990 U			990 U			990 U			990 U			990		
Hexachlorobutadiene	990 U			990 U			990 U			990 U			990 U			990 U			990		
4-Chloro-3-methylphenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
2-Methylnaphthalene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Hexachlorocyclopentadiene	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,4,6-Trichlorophenol	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,4,5-Trichlorophenol	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500		
2-Chloronaphthalene	990 U			990 U			990 U			990 U			990 U			990 U			990		
2-Nitroaniline	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500		
Dimethylphthalate	990 U			990 U			990 U			990 U			990 U			990 U			990		
Acenaphthylene	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,6-Dinitrotoluene	990 U			990 U			990 U			990 U			990 U			990 U			990		
3-Nitroaniline	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500		

Station Location	TLL-11			TLDC-2			TLDC-3			TLDC-4			DC4-1			Method Blank			CRQL		
Sample I.D.	SYB068			SYB070 D3*			SYB071			SYB072			SYB073			SBLK01					
Date of Collection	04/14/94			04/16/94			04/16/94			04/16/94			04/16/94								
Semivolatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Acenaphthene	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,4-Dinitrophenol	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500		
4-Nitrophenol	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U			2500		
Dibenzofuran	990 U			990 U			990 U			990 U			990 U			990 U			990		
2,4-Dinitrotoluene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Diethylphthalate	990 U			990 U			990 U			990 U			990 U			990 U			990		
4-Chlorophenyl phenyl ether	990 U			990 U			990 U			990 U			990 U			990 U			990		
Fluorene	990 U			990 U			990 U			990 U			990 U			990 U			990		
4-Nitroaniline	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U	J	D	2500		
4,6-Dinitro-2-methylphenol	2500 U			2500 U			2500 U			2500 U			2500 U			2500 U			2500		
N-Nitrosodiphenylamine	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U			990		
4-Bromophenyl phenyl ether	990 U			990 U			990 U			990 U			990 U			990 U			990		
Hexachlorobenzene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Pentachlorophenol	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U	J	D	2500 U			2500		
Phenanthrene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Anthracene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Carbazole	990 U			990 U			990 U			990 U			990 U			990 U	J	D	990		
Di-n-butylphthalate	890 L	J	BH	1200		H	1100		H	1400		H	1000		H	990 U			990		
Fluoranthene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Pyrene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Butylbenzylphthalate	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U	J	D	990 U			990		
3,3'-Dichlorobenzidine	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	CD	990 U	J	C	990		
Benzo(a)anthracene	990 U			990 U			990 U			990 U			990 U			990 U			990		
Chrysene	990 U			990 U			990 U			990 U			990 U			990 U			990		
bis(2-Ethylhexyl)phthalate	990 U			990 U			990 U			990 U			670 L	J	BH	990 U			990		
Di-n-octylphthalate	990 U	J	F	990 U			990 U			990 U			990 U			990 U	J	D	990		
Benzo(b)fluoranthene	990 U	J	F	990 U			990 U			990 U			990 U			990 U			990		
Benzo(k)fluoranthene	990 U	J	F	990 U			990 U			990 U			990 U			990 U			990		
Benzo(a)pyrene	990 U	J	F	990 U			990 U			990 U			990 U			990 U			990		
Indeno(1,2,3-cd)pyrene	990 U	J	F	990 U			990 U			990 U			990 U			990 U	J	D	990		
Dibenz(a,h)anthracene	990 U	J	F	990 U			990 U			990 U			990 U			990 U	J	D	990		
Benzo(g,h,i)perylene	990 U	J	F	990 U			990 U			990 U			990 U			990 U			990		
Percent Lipid	4.15 %			1.35 %			1.57 %			1.57 %			1.28 %			N/A			N/A		

Val-Validity Refer to Data Qualifiers in Table 1B

Com-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

*Sample SYB069, the field duplicate of sample SYB070, is in Case R94S12 Memo #16, SDG SYB074.

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

N/A-Not Applicable

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #11
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: September 22, 1994,

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	CS-1			CS-2			CS-3			CS-4			CS-5		
Sample I.D.	SYB054 D1			SYB055 D1			SYB056			SYB057			SYB058		
Date of Collection	4/12/94			4/12/94			4/12/94			4/12/94			4/12/94		
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
beta-BHC	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
delta-BHC	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
gamma-BHC (Lindane)	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
Heptachlor	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
Aldrin	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
Heptachlor epoxide	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
Endosulfan I	10 U		G	9 U		G	23 U		G	25 U		G	9 U		G
Dieldrin	19 U		BG	19 U		G	46 U		G	49 U		G	19 U		G
4,4'-DDE	3 L	J	AB	7 L	NJ	AD	160			180			33		
2,4'-DDE	19 U		BG	19 U		G	46 U		G	49 U		G	19 U		G
Endrin	19 U		BG	19 U		G	46 U		G	49 U		G	19 U		G
Endosulfan II	19 U		BG	19 U		G	6 L	NJ	AD	8 L	NJ	AD	19 U		G
2,4'-DDD	19 U		BG	19 U		G	11 L	NJ	AD	7 L	NJ	AD	19 U		G
4,4'-DDD	19 U		BG	2 L	NJ	ADE	34 L	NJ	ADE	45 L	NJ	ADE	6 L	NJ	ADE
Endosulfan sulfate	19 U		BG	19 U		G	46 U		G	49 U		G	19 U		G
2,4'-DDT	19 U		BG	19 U	J	EG	46 U	J	E	49 U	J	E	19 U	J	EG
4,4'-DDT	19 U		BG	19 U		G	46 U		G	17 L	NJ	AD	2 L	NJ	AD
Methoxychlor	95 U		BG	93 U		G	230 U		G	250 U		G	93 U		G
Endrin ketone	19 U		BG	19 U		G	46 U		G	49 U		G	19 U		G
Endrin aldehyde	19 U		BG	19 U		G	46 U		G	49 U		G	19 U		G
alpha-Chlordane	10 U		BG	9 U		G	11 L	J	A	11 L	NJ	AD	1 L	NJ	AD
gamma-Chlordane	10 U		BG	9 U		G	23 U		G	25 U		G	9 U		G
Toxaphene	950 U		BG	930 U		G	2300 U		G	2500 U		G	930 U		G
Aroclor-1016	190 U		G	190 U		G	460 U		G	490 U		G	190 U		G
Aroclor-1221	380 U		G	370 U		G	920 U		G	980 U		G	370 U		G
Aroclor-1232	190 U		G	190 U		G	460 U		G	490 U		G	190 U		G
Aroclor-1242	190 U		G	190 U		G	460 U		G	490 U		G	190 U		G
Aroclor-1248	190 U		BG	190 U		G	460 U		G	490 U		G	190 U		G
Aroclor-1254	190 U		BG	190 U		G	460 U		G	490 U		G	190 U		G
Aroclor-1260	190 U		BG	190 U		G	460 U		G	490 U		G	190 U		G
Percent Lipids	0.48			1.21			2.21			1.77			0.37		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #11
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: September 22, 1994,

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	CS-6			TLL-1A			TLL-1B			TLL-1C			TLL-1D		
Sample I.D.	SYB059			SYB060 D2			SYB061			SYB062			SYB063		
Date of Collection	4/12/94			4/14/94			4/14/94			4/14/94			4/14/94		
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
beta-BHC	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
delta-BHC	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
gamma-BHC (Lindane)	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
Heptachlor	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
Aldrin	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
Heptachlor epoxide	25 U		G	4 L	NJ	AD	25 U		G	23 U		G	24 U		G
Endosulfan I	25 U		G	10 U		G	25 U		G	23 U		G	24 U		G
Dieldrin	50 U		G	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
4,4'-DDE	240			68	J	B	110	J	B	99			69	J	B
2,4'-DDE	50 U		G	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
Endrin	50 U		G	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
Endosulfan II	6 L	NJ	AD	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
2,4'-DDD	13 L	NJ	AD	3 L	NJ	ABD	50 U	J	BG	47 U		G	48 U	J	BG
4,4'-DDD	26 L	NJ	ADE	24 L	NJ	ABDE	38 L	NJ	ABDE	33 L	NJ	ADE	23 L	NJ	ABDE
Endosulfan sulfate	50 U		G	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
2,4'-DDT	50 U	J	EG	19 U	J	BEG	50 U	J	BEG	47 U	J	EG	48 U	J	BEG
4,4'-DDT	9 L	NJ	AD	17 L	NJ	ABD	27 L	NJ	ABD	19 L	NJ	ABD	11 L	NJ	ABD
Methoxychlor	250 U		G	95 U	J	BG	250 U	J	BG	230 U		G	240 U	J	BG
Endrin ketone	50 U		G	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
Endrin aldehyde	50 U		G	19 U	J	BG	50 U	J	BG	47 U		G	48 U	J	BG
alpha-Chlordane	6 L	NJ	AD	2 L	NJ	ABD	25 U	J	BG	23 U		G	24 U	J	BG
gamma-Chlordane	6 L	NJ	AD	10 U	J	BG	25 U	J	BG	23 U		G	24 U	J	BG
Toxaphene	2500 U		G	950 U	J	BG	2500 U	J	BG	2300 U		G	2400 U	J	BG
Aroclor-1016	500 U		G	190 U		G	500 U		G	470 U		G	480 U		G
Aroclor-1221	990 U		G	380 U		G	1000 U		G	930 U		G	960 U		G
Aroclor-1232	500 U		G	190 U		G	500 U		G	470 U		G	480 U		G
Aroclor-1242	500 U		G	190 U		G	500 U		G	470 U		G	480 U		G
Aroclor-1248	500 U		G	190 U	J	BG	500 U	J	BG	470 U		G	480 U	J	BG
Aroclor-1254	500 U		G	190 U	J	BG	500 U	J	BG	470 U		G	480 U	J	BG
Aroclor-1260	500 U		G	190 U	J	BG	500 U	J	BG	470 U		G	180 U	J	BG
Percent Lipids	2.57			3.92			4.10			3.91			2.79		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

Case No.: R94S12 Memo #11
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: September 22, 1994,

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	TLL-1E			TLL-1F			TLL-1G			TLL-1H			TLL-1I		
Sample I.D.	SYB064			SYB065 D2			SYB066			SYB067			SYB068		
Date of Collection	4/14/94			4/14/94			4/14/94			4/14/94			4/14/94		
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
beta-BHC	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
delta-BHC	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
gamma-BHC (Lindane)	24 U		G	23 U	J	CG	23 U	J	CG	24 U	J	CG	24 U	J	CFG
Heptachlor	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
Aldrin	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
Heptachlor epoxide	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
Endosulfan I	24 U		G	23 U		G	23 U		G	24 U		G	24 U		FG
Dieldrin	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
4,4'-DDE	86			77	J	B	73	J	B	97			100	J	BF
2,4'-DDE	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
Endrin	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
Endosulfan II	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
2,4'-DDD	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
4,4'-DDD	46 L	J	AE	24 L	NJ	ABDE	27 L	NJ	ABDE	30 L	NJ	ADE	39 L	NJ	ABDEF
Endosulfan sulfate	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
2,4'-DDT	48 U	J	EG	46 U	J	BEG	45 U	J	BEG	49 U	J	EG	49 U	J	BEFG
4,4'-DDT	32 L	J	A	19 L	NJ	ABD	13 L	NJ	ABD	22 L	NJ	AD	7 L	NJ	ABDF
Methoxychlor	240 U		G	230 U	J	BG	230 U	J	BG	240 U		G	240 U	J	BFG
Endrin ketone	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
Endrin aldehyde	48 U		G	46 U	J	BG	45 U	J	BG	49 U		G	49 U	J	BFG
alpha-Chlordane	24 U		G	23 U	J	BG	23 U	J	BG	24 U		G	24 U	J	BFG
gamma-Chlordane	24 U		G	23 U	J	BG	23 U	J	BG	24 U		G	24 U	J	BFG
Toxaphene	2400 U		G	2300 U	J	BG	2300 U	J	BG	2400 U		G	2400 U	J	BFG
Aroclor-1016	480 U		G	460 U		G	450 U		G	490 U		G	490 U		FG
Aroclor-1221	950 U		G	920 U		G	910 U		G	970 U		G	970 U		FG
Aroclor-1232	480 U		G	460 U		G	450 U		G	490 U		G	490 U		FG
Aroclor-1242	480 U		G	460 U		G	450 U		G	490 U		G	490 U		FG
Aroclor-1248	480 U		G	460 U	J	BG	450 U	J	BG	490 U		G	490 U	J	BFG
Aroclor-1254	480 U		G	460 U	J	BG	450 U	J	BG	490 U		G	490 U	J	BFG
Aroclor-1260	480 U		G	460 U	J	BG	450 U	J	BG	490 U		G	490 U	J	BFG
Percent Lipids	4.29			2.94			3.27			2.71			4.15		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #11
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: September 22, 1994,

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	TLDC-2			TLDC-3			TLDC-4			DC4-1			Method Blank		
Sample I.D.	SYB070 D3*			SYB071			SYB072			SYB073			PBLK1		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94					
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
beta-BHC	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
delta-BHC	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
gamma-BHC (Lindane)	25 U	J	CFG	26 U	J	CFG	4 L	NJ	ACDF	25 U	J	CG	5 U		
Heptachlor	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
Aldrin	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
Heptachlor epoxide	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
Endosulfan I	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
Dieldrin	50 U		FG	51 U		FG	50 U		FG	50 U		G	10 U		
4,4'-DDE	180		F	230		F	120		F	12 L	NJ	AD	10 U		
2,4'-DDE	50 U		FG	51 U		FG	50 U		FG	50 U		G	10 U		
Endrin	50 U		FG	5 L	NJ	ADF	50 U		FG	50 U		G	10 U		
Endosulfan II	12 L	NJ	ADF	25 L	J	AF	8 L	NJ	ADF	50 U		G	10 U		
2,4'-DDD	50 U		FG	17 L	NJ	ADF	6 L	NJ	ADF	50 U		G	10 U		
4,4'-DDD	31 L	NJ	ADEF	47 L	NJ	ADEF	17 L	NJ	ADEF	50 U		G	10 U		
Endosulfan sulfate	50 U		FG	51 U		FG	50 U		FG	50 U		G	10 U		
2,4'-DDT	50 U	J	EFG	8 L	NJ	ADEF	50 U	J	EFG	50 U		G	10 U		
4,4'-DDT	50 U		FG	51 U		FG	50 U		FG	50 U		G	10 U		
Methoxychlor	250 U		FG	29 L	NJ	ADF	250 U		FG	250 U		G	50 U		
Endrin ketone	50 U		FG	51 U		FG	50 U		FG	50 U		G	10 U		
Endrin aldehyde	50 U		FG	51 U		FG	50 U		FG	50 U		G	10 U		
alpha-Chlordane	11 L	J	AF	16 L	J	AF	7 L	J	AF	25 U		G	5 U		
gamma-Chlordane	25 U		FG	26 U		FG	25 U		FG	25 U		G	5 U		
Toxaphene	2500 U		FG	2600 U		FG	2500 U		FG	2500 U		G	500 U		
Aroclor-1016	500 U		FG	510 U		FG	500 U		FG	500 U		G	100 U		
Aroclor-1221	1000 U		FG	1000 U		FG	1000 U		FG	1000 U		G	200 U		
Aroclor-1232	500 U		FG	510 U		FG	500 U		FG	500 U		G	100 U		
Aroclor-1242	500 U		FG	510 U		FG	500 U		FG	500 U		G	100 U		
Aroclor-1248	500 U		FG	510 U		FG	500 U		FG	500 U		G	100 U		
Aroclor-1254	500 U		FG	510 U		FG	500 U		FG	500 U		G	100 U		
Aroclor-1260	500 U		FG	510 U		FG	500 U		FG	500 U		G	100 U		
Percent Lipids	1.35			1.57			1.57			1.28			N/A		

*Sample SYB069, the field duplicate of sample SYB070, is in Case R94S12 Memo #12, SDG SYB074.

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS

TABLE 1A

Case No.: R94S12 Memo #11
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Margaret L. May, ESAT/ICF Kaiser
Date: September 22, 1994,

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location Sample I.D. Date of Collection	CRQL														
Pesticide/PCB Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	5														
beta-BHC	5														
delta-BHC	5														
gamma-BHC (Lindane)	5														
Heptachlor	5														
Aldrin	5														
Heptachlor epoxide	5														
Endosulfan I	5														
Dieldrin	10														
4,4'-DDE	10														
2,4'-DDE	10														
Endrin	10														
Endosulfan II	10														
2,4'-DDD	10														
4,4'-DDD	10														
Endosulfan sulfate	10														
2,4'-DDT	10														
4,4'-DDT	10														
Methoxychlor	50														
Endrin ketone	10														
Endrin aldehyde	10														
alpha-Chlordane	5														
gamma-Chlordane	5														
Toxaphene	500														
Aroclor-1016	100														
Aroclor-1221	200														
Aroclor-1232	100														
Aroclor-1242	100														
Aroclor-1248	100														
Aroclor-1254	100														
Aroclor-1260	100														
Percent Lipids	N/A														

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
D1,D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

CRQL-Contract Required Quantitation Limits
N/A-Not Applicable
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case No.: R94S12 Memo #12
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	DC-4			DC-1EGG																
Sample I.D.	SYB079			SYB080			CRQL													
Date of Collection	4/16/94			4/16/94																
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com									Result	Val	Com
alpha-BHC	23 U		EFG	500 U		EG	5													
beta-BHC	23 U		EFG	500 U		EG	5													
delta-BHC	23 U		EFG	500 U		EG	5													
gamma-BHC (Lindane)	23 U	J	BEFG	500 U	J	BEG	5													
Heptachlor	23 U		EFG	500 U		EG	5													
Aldrin	23 U		EFG	500 U		EG	5													
Heptachlor epoxide	23 U		EFG	500 U		EG	5													
Endosulfan I	23 U		EFG	500 U		EG	5													
Dieldrin	47 U		EFG	990 U		EG	10													
4,4'-DDE	47 U		EFG	1300		E	10													
2,4'-DDE	47 U		EFG	990 U		EG	10													
Endrin	47 U		EFG	990 U		EG	10													
Endosulfan II	47 U		EFG	990 U		EG	10													
2,4'-DDD	47 U		EFG	990 U		EG	10													
4,4'-DDD	47 U		EFG	990 U		EG	10													
Endosulfan sulfate	47 U		EFG	990 U		EG	10													
2,4'-DDT	47 U		EFG	990 U		EG	10													
4,4'-DDT	47 U		EFG	310 L	NJ	ACE	10													
Methoxychlor	230 U		EFG	5000 U		EG	50													
Endrin ketone	47 U		EFG	990 U		EG	10													
Endrin aldehyde	47 U		EFG	990 U		EG	10													
alpha-Chlordane	23 U		EFG	500 U		EG	5													
gamma-Chlordane	23 U		EFG	500 U		EG	5													
Toxaphene	2300 U		EFG	50000 U		EG	500													
Aroclor-1016	470 U		EFG	9900 U		EG	100													
Aroclor-1221	930 U		EFG	20000 U		EG	200													
Aroclor-1232	470 U		EFG	9900 U		EG	100													
Aroclor-1242	470 U		EFG	9900 U		EG	100													
Aroclor-1248	470 U		EFG	9900 U		EG	100													
Aroclor-1254	470 U		EFG	9900 U		EG	100													
Aroclor-1260	470 U		EFG	9900 U		EG	100													
% Lipids	0.28 %			16.41 %																

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

Case No.: R94S12 Memo #12
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Raimi L. Quiton, ESAT/ICF Kaiser
Date: September 21, 1994

TABLE 1A

Analysis Type: Low Level Biota Samples for SAS Pesticides/PCBs

Concentration in ug/Kg

Station Location	TLDC-1			DC3-1			TLU-1			TLU-2			DC-1			DC-2		
Sample I.D.	SYB069 D1			SYB074			SYB075			SYB076			SYB077			SYB078		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/16/94		
Pesticide/PCBs Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
alpha-BHC	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
beta-BHC	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
delta-BHC	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
gamma-BHC (Lindane)	25 U	J	BEG	25 U	J	BEG	24 U	J	BFG	47 U	J	BEGH	46 U	J	BEGH	50 U	J	BEGH
Heptachlor	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
Aldrin	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
Heptachlor epoxide	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
Endosulfan I	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
Dieldrin	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
4,4'-DDE	180		E	9 L	J	AE	8 L	NJ	ACF	15 L	J	AEH	22 L	J	AEH	19 L	J	AEH
2,4'-DDE	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
Endrin	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
Endosulfan II	7 L	NJ	ACE	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
2,4'-DDD	8 L	NJ	ACE	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
4,4'-DDD	20 L	NJ	ACDE	50 U		EG	49 U		FG	6 L	NJ	ACDEGH	6 L	NJ	ACDEH	100 U		EGH
Endosulfan sulfate	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
2,4'-DDT	50 U	J	DEG	50 U		EG	49 U		FG	94 U	J	DEGH	93 U	J	DEGH	100 U		EGH
4,4'-DDT	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
Methoxychlor	250 U		EG	250 U		EG	240 U		FG	470 U		EGH	460 U		EGH	500 U		EGH
Endrin ketone	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
Endrin aldehyde	50 U		EG	50 U		EG	49 U		FG	94 U		EGH	93 U		EGH	100 U		EGH
alpha-Chlordane	5 L	NJ	ACE	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
gamma-Chlordane	25 U		EG	25 U		EG	24 U		FG	47 U		EGH	46 U		EGH	50 U		EGH
Toxaphene	2500 U		EG	2500 U		EG	2400 U		FG	4700 U		EGH	4600 U		EGH	5000 U		EGH
Aroclor-1016	500 U		EG	500 U		EG	490 U		FG	940 U		EGH	930 U		EGH	1000 U		EGH
Aroclor-1221	990 U		EG	990 U		EG	970 U		FG	1900 U		EGH	1900 U		EGH	2000 U		EGH
Aroclor-1232	500 U		EG	500 U		EG	490 U		FG	940 U		EGH	930 U		EGH	1000 U		EGH
Aroclor-1242	500 U		EG	500 U		EG	490 U		FG	940 U		EGH	930 U		EGH	1000 U		EGH
Aroclor-1248	500 U		EG	500 U		EG	490 U		FG	940 U		EGH	930 U		EGH	1000 U		EGH
Aroclor-1254	500 U		EG	500 U		EG	490 U		FG	940 U		EGH	930 U		EGH	1000 U		EGH
Aroclor 1260	500 U		EG	500 U		EG	490 U		FG	940 U		EGH	930 U		EGH	1000 U		EGH
% Lipids	1.21 %			1.03 %			0.77 %			0.75 %			0.56 %			0.75 %		

Val-Validity Refer to Data Qualifiers in Table 1B
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

Case No.: R94S12 Memo #07

TABLE 1A

Site: Montrose

Lab.: Region 9, Richmond

Reviewer: Dina D. David, ESAT/ICF Kaiser

Date: July 13, 1994

Analysis Type: Low Concentration Fish Samples for SAS Metals

Concentration in mg/Kg
(wet weight basis)

Station Location	TLDC-1			DC3-1			TLU-1			TLU-2			DC-1			DC-2			DC-4		
Sample I.D.	SYB069			SYB074			SYB075			SYB076			SYB077			SYB078			SYB079		
Date of Collection	4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/16/94			4/15/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	65.5			61.7			36.7 L	J	A	22.0 L	J	A	33.7 L	J	A	44.3			39.7		
Antimony	4.9 L	J	A	4.9 U			4.9 U			4.8 U			5.0 U			4.8 U			4.9 U		
Arsenic	0.57 L	J	ABC	0.78 L	J	ABC	0.88 L	J	AB	0.75 L	J	AB	0.67 L	J	AB	0.99 L	J	AB	1.5 L	J	AB
Barium	1.3 L	J	A	10.1 L	J	A	1.7 L	J	A	0.96 L	J	A	0.40 U			1.2 L	J	A	0.46 L	J	A
Beryllium	0.20 U			0.20 U			0.19 U			0.19 U			0.20 U			0.19 U			0.20 U		
Cadmium	0.39 U			0.39 U			1.4			1.0			1.1			1.2			0.86 L	J	A
Calcium	17800			56600			5810			3340			1360			7330			682 L	J	A
Chromium	0.53 L	J	A	0.57 L	J	A	0.60 L	J	A	0.86 L	J	A	0.40 U			0.38 U			0.71 L	J	A
Cobalt	0.59 U			0.59 U			0.58 U			0.57 U			0.59 U			0.57 U			0.64 L	J	A
Copper	5.8			24.2			4.8 L	J	A	4.3 L	J	A	3.3 L	J	A	3.4 L	J	A	2.5 L	J	A
Iron	95.6			107			81.3			43.5			67.3			109			60.2		
Lead	0.47 L	J	A	1.7			1.1			1.0			0.58			0.90			1.2		
Magnesium	770 L	J	A	3140			323 L	J	A	311 L	J	A	528 L	J	A	464 L	J	A	969 L	J	A
Manganese	5.9			32.2			8.3			4.2			7.3			6.9			4.9		
Mercury	0.06 L	J	A	0.04 U			0.03 U			0.03 U			0.04 U			0.03 U			0.03 U		
Nickel	2.0 U			2.0 U			1.9 U			1.9 U			2.0 U			1.9 U			2.0 U		
Potassium	3370			1540			1360			1080			1520			1770			1860		
Selenium	0.60 L	J	AC	0.37 U	J	C	1.0			0.78 L	J	A	1.0			1.2			1.1		
Silver	0.78 U			0.78 U			0.78 U			0.76 U			0.79 U			0.76 U			0.78 U		
Sodium	1800	J	E	4800	J	E	1610	J	E	1690	J	E	3710	J	E	3030	J	E	7740	J	E
Thallium	0.39 U	J	C	0.37 U	J	C	0.39 U			0.39 U			0.38 U	J	C	0.37 U	J	C	0.38 U	J	C
Vanadium	0.78 U			0.78 U			0.78 U			0.76 U			0.79 U			0.76 U			0.78 U		
Zinc	61.5			29.2			19.7			12.8			14.3			16.0			42.2		
Percent Lipids	1.21%			1.03%			0.77%			0.75%			0.56%			0.75%			0.28%		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: ...94812 Memo #07
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Dina D. David, ESAT/ICF Kaiser
Date: July 13, 1994

Analysis Type: Low Concentration Fish Samples for SAS Metals

Concentration in mg/Kg
(wet weight basis)

Station Location	DC-1EGG			Lab Blank			MDL			CRDL											
Sample I.D.	SYB080																				
Date of Collection	4/16/94																				
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	20.1 L	J	A	12.3 L	J	A	8.0			40.0											
Antimony	4.9 U			5.0 U			5.0			12.0											
Arsenic	0.39 U	J	BC	0.40 U			0.40			2.0											
Barium	0.66 L	J	A	0.40 U			0.40			40.0											
Beryllium	0.19 U			0.20 U			0.20			1.0											
Cadmium	0.39 U			0.40 U			0.40			1.0											
Calcium	679 L	J	A	78.0 L	J	A	2.0			1000											
Chromium	0.39 U			1.0 L	J	A	0.40			2.0											
Cobalt	0.58 U			0.83 L	J	A	0.60			10.0											
Copper	1.1 L	J	A	0.80 U			0.80			5.0											
Iron	38.9			2.9 L	J	A	0.60			20.0											
Lead	0.36 L	J	A	0.20 U			0.20			0.60											
Magnesium	172 L	J	A	26.0 U			26.0			1000											
Manganese	0.58 L	J	\	0.31 L	J	A	0.20			3.0											
Mercury	0.04 U			0.04 U			0.04			0.10											
Nickel	1.9 U			2.0 U			2.0			8.0											
Potassium	1190			329 L	J	A	275			1000											
Selenium	1.1	J	D	0.40 U			0.40			1.0											
Silver	0.78 U			1.3 L	J	A	0.80			2.0											
Sodium	1580	J	E	148 L	J	A	16.6			1000											
Thallium	0.39 U			0.40 U			0.40			2.0											
Vanadium	0.78 U			0.80 L	J	A	0.80			10.0											
Zinc	18.4			1.5 L	J	A	0.60			4.0											
Percent Lipids	16.41%			N/A			N/A			N/A											

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils.
N/A - Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: R94812 Memo #08
TABLE 1A

Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: July 29, 1994

Analysis Type: Low Concentration Fish Samples for SAS Metals

Concentration in mg/Kg

Station Location	CS-1			CS-2			CS-3			CS-4			CS-5			CS-6			TLL-1A		
Sample I.D.	SYB054 D1			SYB055 D1			SYB056			SYB057			SYB058			SYB059			SYB060 D2		
Date of Collection	4/12/94			4/12/94			4/12/94			4/12/94			4/12/94			4/12/94			4/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	85.5			97.0			28.8 L	J	A	12.9 L	J	A	16.7 L	J	A	15.3 L	J	A	59.8		
Antimony	4.7 U			4.8 U			4.8 U			5.0 U			4.9 U			4.8 U			4.7 U		
Arsenic	0.94 L	J	ABC	0.96 L	J	ABC	0.37 U	J	BC	0.38 U	J	BC	0.38 U	J	BC	0.50 L	J	ABC	0.39 U	J	BC
Barium	5.4 L	J	A	7.0 L	J	A	0.88 L	J	A	0.40 U			0.39 U			0.38 U			3.7 L	J	A
Beryllium	0.19 U			0.19 U			0.19 U			0.20 U			0.20 U			0.19 U			0.19 U		
Cadmium	0.38 U			0.38 U			0.45 L	J	A	0.40 U			0.39 U			0.38 U			0.38 U		
Calcium	47800			54000			11800			522 L	J	A	2220			214 L	J	A	5980		
Chromium	0.89 L	J	A	1.3 L	J	A	1.3 L	J	A	0.47 L	J	A	0.39 U			0.52 L	J	A	0.38 U		
Cobalt	0.57 U			0.57 U			0.58 U			0.59 U			0.59 U			0.57 U			0.57 U		
Copper	19.4		E	30.2		E	4.7 L	J	A	1.0 L	J	A	0.91 L	J	A	0.76 U			3.8 L	J	A
Iron	221			239			47.7			4.3 L	J	A	3.2 L	J	A	8.8 L	J	A	112		E
Lead	1.6		E	4.2		E	0.47 L	J	A	0.20 L	J	A	0.19 U			0.19 U			1.8		
Magnesium	2830			3220			687 L	J	A	323 L	J	A	338 L	J	A	274 L	J	A	411 L	J	A
Manganese	21.3			28.6			3.2			0.31 L	J	A	0.61 L	J	A	0.28 L	J	A	8.2		
Mercury	0.03 U			0.03 U			0.04 U			0.05 L	J	A	0.10			0.08 L	J	A	0.06 L	J	A
Nickel	1.9 U			1.9 U			1.9 U			2.0 U			2.0 U			1.9 U			1.9 U		
Potassium	1830			1790			3640			3960			4180			3920			2400		
Selenium	0.39 U			0.57 L	J	A	0.54 L	J	AC	0.38 L	J	AC	0.38 L	J	AC	0.38 U	J	C	0.48 L	J	A
Silver	0.75 U			0.76 U			0.77 U			0.79 U			0.78 U			0.76 U			0.75 U		
Sodium	4690	J	D	4470	J	D	2140	J	D	710 L	J	AD	1000	J	D	772 L	J	AD	1060	J	D
Thallium	0.39 U	J	C	0.40 U	J	C	0.37 U			0.38 U			0.38 U	J	C	0.38 U	J	C	0.39 U		
Vanadium	0.75 U			0.76 U			0.77 U			0.79 U			0.78 U			0.76 U			0.75 U		
Zinc	24.9	J	D	27.4	J	D	42.1	J	D	7.1	J	D	7.1	J	D	4.7	J	D	39.0	J	D
% Lipids	0.48			1.21			2.21			1.77			0.37			2.57			3.92		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils and Biota Tissue Samples.
NA - Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: R9412 Memo #08
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: July 29, 1994

Analysis Type: Low Concentration Fish Samples for SAS Metals

Concentration in mg/Kg

Station Location	TLL-1B			TLL-1C			TLL-1D			TLL-1E			TLL-1F			TLL-1G			TLL-1H		
Sample I.D.	SYB061			SYB062			SYB063			SYB064			SYB065 D2			SYB066			SYB067		
Date of Collection	4/14/94			4/14/94			4/14/94			4/14/94			4/14/94			4/14/94			4/14/94		
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	36.1 L	J	A	71.2			89.1			51.4			36.1 L	J	A	55.2			59.9		
Antimony	4.8 U			4.9 U			5.0 U			4.7 U			5.0 U			4.7 U			4.9 U		
Arsenic	0.37 U	J	BC	0.37 U	J	BC	0.40 U	J	BC	0.40 U	J	BC	0.39 U	J	BC	0.38 U	J	BC	0.38 U	J	BC
Barium	3.3 L	J	A	4.5 L	J	A	4.8 L	J	A	4.1 L	J	A	3.6 L	J	A	4.1 L	J	A	3.3 L	J	A
Beryllium	0.19 U			0.20 U			0.20 U			0.19 U			0.20 U			0.19 U			0.19 U		
Cadmium	0.38 U			0.39 U			0.40 U			0.37 U			0.41 L	J	A	0.38 U			0.39 U		
Calcium	6330			7640			5970			6300			7260			6870			7110		
Chromium	0.38 U			2.7			0.40 U			0.75 L	J	A	0.79 L	J	A	0.89 L	J	A	0.48 L	J	A
Cobalt	0.58 U			0.59 U			0.59 U			0.56 U			0.59 U			0.57 U			0.58 U		
Copper	2.9 L	J	A	3.8 L	J	A	3.7 L	J	A	3.7 L	J	A	2.6 L	J	A	3.1 L	J	A	2.6 L	J	A
Iron	77.9			223			205			102			70.1		E	104			98.6		
Lead	0.51 L	J	A	0.77			0.86			0.93			0.68			1.3			3.4		
Magnesium	415 L	J	A	456 L	J	A	400 L	J	A	425 L	J	A	428 L	J	A	416 L	J	A	407 L	J	A
Manganese	7.7			14.0			9.2			8.6			7.9			8.7			8.3		
Mercury	0.05 L	J	A	0.06 L	J	A	0.08 L	J	A	0.06 L	J	A	0.06 L	J	A	0.06 L	J	A	0.06 L	J	A
Nickel	1.9 U			2.0 U			2.0 U			1.9 U			2.0 U			1.9 U			1.9 U		
Potassium	2750			2590			2570			2550			2620			2400			2580		
Selenium	0.53 L	J	AC	0.39 L	J	AC	0.42 L	J	A	0.40 U			0.39 U			0.48 L	J	AC	0.42 L	J	AC
Silver	0.77 U			0.78 U			0.79 U			0.75 U			0.79 U			0.75 U			0.78 U		
Sodium	1140	J	D	1130	J	D	1120	J	D	1230	J	D	1230	J	D	1130	J	D	1140	J	D
Thallium	0.37 U			0.37 U	J	C	0.40 U			0.40 U			0.39 U			0.38 U			0.38 U	J	C
Vanadium	0.77 U			1.1 L	J	A	0.79 U			0.75 U			0.79 U			0.75 U			0.78 U		
Zinc	40.5	J	D	45.4	J	D	42.4	J	D	40.0	J	D	37.2	J	D	38.0	J	D	38.4	J	D
% Lipids	4.10			3.91			2.79			4.29			2.94			3.27			2.71		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils and Biota Tissue Samples.
NA - Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit

Case No.: R94S12 Memo #08
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: July 29, 1994

TABLE 1A

Analysis Type: Low Concentration Fish Samples for SAS Metals

Concentration in mg/Kg

Station Location	TLL-1I			TLDC-2			TLDC-3			TLDC-4			DC4-1			Lab Blank			MDL		
Sample I.D.	SYB068			SYB070 D3*			SYB071			SYB072			SYB073								
Date of Collection	4/14/94			4/16/94			4/16/94			4/16/94			4/16/94								
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	71.0			71.3			46.3			81.9			76.9			11.5 L	J	A	8.0		
Antimony	5.0 U			4.6 U			5.0 U			4.9 U			4.9 L	J	A	5.0 U			5.0		
Arsenic	0.38 U	J	BC	0.37 U	J	BC	0.44 L	J	ABC	0.37 U	J	BC	0.60 L	J	ABC	0.40 U			0.40		
Barium	4.0 L	J	A	0.93 L	J	A	1.1 L	J	A	1.5 L	J	A	7.5 L	J	A	0.40 U			0.40		
Beryllium	0.20 U			0.18 U			0.20 U			0.20 U			0.19 U			0.20 U			0.20		
Cadmium	0.47 L	J	A	0.40 L	J	A	0.41 L	J	A	0.48 L	J	A	0.38 U			0.40 U			0.40		
Calcium	6990			16900			15200			17100			61800			10.7 L	J	A	2.0		
Chromium	0.91 L	J	A	0.70 L	J	A	0.91 L	J	A	1.0 L	J	A	1.1 L	J	A	0.40 U			0.40		
Cobalt	0.60 U			0.55 U			0.60 U			0.59 U			0.58 U			0.60 U			0.60		
Copper	4.0 L	J	A	6.7			6.0			9.4			29.0			0.80 U			0.80		
Iron	133			115			86.7			152			193			0.67 L	J	A	0.60		
Lead	0.58			0.70			0.62			1.2			2.5			0.20 U			0.20		
Magnesium	436 L	J	A	722 L	J	A	599 L	J	A	782 L	J	A	3500			26.0 U			26.0		
Manganese	9.4			4.2			5.9			6.0			21.0			0.20 U			0.20		
Mercury	0.05 L	J	A	0.04 U			0.04 U			0.03 U			0.03 U			0.04 U			0.04		
Nickel	2.0 U			1.8 U			2.0 U			2.0 U			1.9 U			2.0 U			2.0		
Potassium	2690			3750			3620			3520			2260			275 U			275		
Selenium	0.40 L	J	AC	0.55 L	J	AC	0.45 L	J	AC	0.58 L	J	AC	0.43 L	J	AC	0.40 U			0.40		
Silver	0.80 U			0.73 U			0.80 U			0.78 U			0.77 U			4.0 L	J	A	0.80		
Sodium	1140	J	D	1800	J	D	1610	J	D	1730	J	D	4850	J	D	77.6 L	J	A	16.6		
Thallium	0.38 U	J	C	0.37 U	J	C	0.39 U			0.37 U	J	C	0.37 U	J	C	0.40 U			0.40		
Vanadium	0.80 U			0.73 U			0.80 U			0.88 L	J	A	1.3 L	J	A	0.80 U			0.80		
Zinc	39.8	J	D	56.6	J	D	56.9	J	D	56.0	J	D	26.8	J	D	0.60 U			0.60		
% Lipids	4.15			1.35			1.57			1.57			1.28			NA			NA		

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils and Biota Tissue Samples.
NA - Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit
* Field duplicate sample SYB069 (D3) is included in Case No. R94S12 Memo #07

ANALYTICAL RESULTS
TABLE 1A

Case No.: R9412 Memo #08
Site: Montrose
Lab.: Region 9, Richmond
Reviewer: Karen Pettit, ESAT/ICF Kaiser
Date: July 29, 1994

Analysis Type: Low Concentration Fish Samples for SAS Metals

Concentration in mg/Kg

Sample I.D.	CRDL																				
Parameter	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Aluminum	40.0																				
Antimony	12.0																				
Arsenic	2.0																				
Barium	40.0																				
Beryllium	1.0																				
Cadmium	1.0																				
Calcium	1000																				
Chromium	2.0																				
Cobalt	10.0																				
Copper	5.0																				
Iron	20.0																				
Lead	0.60																				
Magnesium	1000																				
Manganese	3.0																				
Mercury	0.10																				
Nickel	8.0																				
Potassium	1000																				
Selenium	1.0																				
Silver	2.0																				
Sodium	1000																				
Thallium	2.0																				
Vanadium	10.0																				
Zinc	4.0																				

Val-Validity Refer to Data Qualifiers in Table 1B
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils and Biota Tissue Samples.
NA - Not Applicable

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank, BG-Background
CRDL-Contract Required Detection Limit