Sweet, Edwards & Associates, Inc.

Field Sampling Data/ Chain of Custody

Station _____

Well or Surface Site Number MW-1

Date, Time 2/7/85, 0725

Weather [illegible]

PROJECT KAISER - TRENTWOOD

CLIENT KAISER ALUMINUM

HYDROLOGY MEASUREMENTS:

Depth to Water Below Measuring Point:

(Nearest .01 ft.)	Elevation	Date, Time	Method Used (M-Scope Number or Other)
55' 7 5/8"		2/7/85, ~~[illegible]~~ 0731	

WELL EVACUATION:

Gallons	Pore Volumes	Method Used	Rinse Method	Date, Time
270	3	submersible	[illegible]	2/7, 0755, 0825

Surface Water Flow Speed _____ Measurement Method _____ Date, Time _____

SAMPLING:

Sample Number	Date, Time	Method	Volume (ml)	Container Type	Depth Taken (feet)	Field Filtered (yes,no)	Preservative	Iced (yes,no)	Sampler Cleaning Method
MW-1	2/7, 850	~~[illegible]~~	1000	[illegible]	65'	yes	None	yes	[illegible]
		[illegible]	500	[illegible]		"	[illegible]		[illegible]
			500	"		"	[illegible]		
			(5)500	"		"	None		
			[illegible]	glass		No	None		
			#250	[illegible]		yes	[illegible]		

FIELD WATER QUALITY TESTS:

Pore Vol. Number	pH	DO (mg/l)	Specific Conductivity	Temp	Eh			
1			222 µS/cm					
2			225 µS/cm					
3	7.30		215 µS/cm					

NOTES:

Filled 8 250 ml [illegible] glass

[illegible] Space bottles

Total No. of Bottles - this station: 20

CUSTODY RECORD:

Field Personnel	Signature	Date, Time
J. Maul	[illegible] Relinquished	2/8/85, 1035
	Recieved	
	Relinquished	
	Recieved	
[illegible] Sampler Signature	Relinquished	
2/7/85 0950 Date, Time	Recieved	

USEPA SF

1504078

SEA-400-01

Sweet, Edwards & Associates, Inc.

Field Sampling Data/ Chain of Custody

Station _____

Well or Surface Site Number MW-2

Date, Time 2/7/85, 1130

Weather Overcast

PROJECT KAISER TRENTWOOD

CLIENT KAISER ALUMINUM

HYDROLOGY MEASUREMENTS:

Depth to Water Below Measuring Point:

(Nearest .01 ft.)	Elevation	Date, Time	Method Used (M-Scope Number or Other)
44.00		2/7, 1132	

WELL EVACUATION:

Gallons	Pore Volumes	Method Used	Rinse Method	Date, Time
350	5+	Submersible	Soap + H_2O	2/7, 1205-1250

Surface Water Flow Speed _____, Measurement Method _____ Date, Time _____

SAMPLING:

Sample Number	Date, Time	Method	Volume (ml)	Container Type	Depth Taken (feet)	Field Filtered (yes,no)	Preservative	Iced (yes,no)	Sampler Cleaning Method
MW-2	2/7, 1300	teflon [illegible]	1000	amber glass	60	yes	NONE	yes	Soap + H_2O
			500	poly		"	HNO_3		[illegible] H_2O
			500	poly		"	H_2SO_4		MeOH
			(5)500	poly		"	NONE		Sample
			8.00	glass		no	NONE		
			1250	poly		yes	NaOH		

FIELD WATER QUALITY TESTS:

Pore Vol. Number	pH	DO (mg/l)	Specific Conductivity	Temp	Eh			
1			360 µS/cm	7.5°C				
2			350 µS/cm	8.2 "				
3			345 µS/cm	8.1°C				
5	5.5		350 µS/cm	8.2°C				

NOTES:

Filled 8 amber pebs 2 [illegible] space bottles, 4 fixed w/ H_3PO_4

Total No. of Bottles - this station: 20

CUSTODY RECORD:

Field Personnel	Signature	Date, Time
J. Maul	Jane J. Maul — Relinquished	2/8/85, 0035
	Received	
	Relinquished	
	Received	
Jane J. Maul — Sampler Signature	Relinquished	
2/7/85 1553 — Date/Time	Received	

SEA-400-01

Sweet, Edwards & Associates, Inc.

Field Sampling Data/ Chain of Custody

Station _____

Well or Surface Site Number MW-3

Date, Time 2/7/85, 1410

Weather Overcast

PROJECT Kaiser Trentwood

CLIENT Kaiser Aluminum

HYDROLOGY MEASUREMENTS:

Depth to Water Below Measuring Point:

(Nearest .01 ft.)	Elevation	Date, Time	Method Used (M-Scope Number or Other)
72' 2½"		2/7, 1414	

WELL EVACUATION:

Gallons	Pore Volumes	Method Used	Rinse Method	Date, Time
360+	5+	submersible	copellico, distl	2/7/85, 1515-1525

Surface Water Flow Speed _____, Measurement Method _____ Date, Time _____

SAMPLING:

Sample Number	Date, Time	Method	Volume (ml)	Container Type	Depth Taken (feet)	Field Filtered (yes,no)	Preservative	Iced (yes,no)	Sampler Cleaning Method
MW-3	2/7, 1515	[illegible]	[illegible]	amber glass	55	yes	HCl	yes	[illegible]
			500	poly		"	HNO_3		[illegible]
			500	poly		"	H_2SO_4		[illegible]
			(3) 500	poly		"	NaOH		
			(3) vials	glass		No	none		
			500	poly		yes	none		

FIELD WATER QUALITY TESTS:

Pore Vol. Number	pH	DO (mg/l)	Specific Conductivity	Temp	Eh
1			350 µS/cm	8.3°C	
2			348 µS/cm	8.7°C	
3			346 µS/cm	8.8°C	
4			341 µS/cm	8.9°C	
			353 "	8.8°C	

NOTES:

Filled 8 zero head space amber vials, 4 filled w/ H_3PO_4.

pH anaerobic

Total No. of Bottles - this station: 7

CUSTODY RECORD:

Field Personnel	Signature	Date, Time
J. Mc P	[signature] Relinquished	2/7/85 [illegible]
K. Maynard	Received	
	Relinquished	
	Received	
[signature] Sampler Signature	Relinquished	
2/7/85 1600 Date, Time	Received	

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120

Sweet, Edwards & Associates, Inc.

Field Sampling Data/ Chain of Custody

Station _____

Well or Surface Site Number MW-4

Date, Time 2/6/85, 0950

Weather overcast 15°F

PROJECT Kaiser - Trentwood

CLIENT Kaiser Aluminum

HYDROLOGY MEASUREMENTS:

Depth to Water Below Measuring Point:

(Nearest .01 ft.)	Elevation	Date, Time	Method Used (M-Scope Number or Other)
81' 10"		2/6, 0952	M scope

WELL EVACUATION:

Gallons	Pore Volumes	Method Used	Rinse Method	Date, Time
285	5	submersible	soap + H2O, Dist H2O	2/6, 1030-1100

57 gal / TV

Surface Water Flow Speed _____ Measurement Method _____ Date, Time _____

SAMPLING:

Sample Number	Date, Time	Method	Volume (ml)	Container Type	Depth Taken (feet)	Field Filtered (yes,no)	Preservative	Iced (yes,no)	Sampler Cleaning Method
MW-4	2/6, 1100	teflon bailer	1000	amber glass	85'	yes	none	yes	soap + H2O
			500	poly		yes	HNO3		Neo + Dist
			500	poly		yes	H2SO4		Time sample
			(S) 500	poly		yes	NONE		
			(3) VOA	glass		NO	NONE		
			250	poly		yes	NaOH		

FIELD WATER QUALITY TESTS:

Pore Vol. Number	pH	DO (mg/l)	Specific Conductivity	Temp	Eh			
1			230 µS/cm	~~[illegible]~~				
2				9.5°C				
3				9.5°C				
4				9.0°C				
5				9.5°C				

NOTES:

8 amber glass 250 ml [illegible]

[illegible] 2 [illegible] water

Total No. of Bottles - this station: 20

CUSTODY RECORD:

Field Personnel	Signature	Date, Time
J. Maynard	[signature] Relinquished	2/6/85, 1035
K Maynard	Recieved	
	Relinquished	
	Recieved	
[signature] Sampler Signature	Relinquished	
2/6/85, 1257 Date, Time	Recieved	

SEA-400-01

Sweet, Edwards & Associates, Inc.

Field Sampling Data/ Chain of Custody

Station _____

Well or Surface Site Number MW-5

Date, Time 2/7/85, 1650

Weather Snowing

PROJECT Kaiser Trentwood

CLIENT Bonnie Anderson

HYDROLOGY MEASUREMENTS:

Depth to Water Below Measuring Point:

(Nearest .01 ft.)	Elevation	Date, Time	Method Used (M-Scope Number or Other)
77' 5 3/4"			

WELL EVACUATION:

Gallons	Pore Volumes	Method Used	Rinse Method	Date, Time
315	5	Submersible	Sampling	2/7/85
			Bailer	

Surface Water Flow Speed _____, Measurement Method _____ Date, Time _____

SAMPLING:

Sample Number	Date, Time	Method	Volume (ml)	Container Type	Depth Taken (feet)	Field Filtered (yes,no)	Preservative	Iced (yes,no)	Sampler Cleaning Method
MW-5	2/7, 1730	Teflon bailer	1000	Amber glass		yes	none	yes	Simple
			500	Poly		"	HNO3		Acid
			500	Poly		"	HNO3		Acid
			(3) 500	Poly		"	HNO3		Simple
			(3) 500	Glass		no			
			250	Poly		yes	none		

FIELD WATER QUALITY TESTS:

Pore Vol. Number	pH	DO (mg/l)	Specific Conductivity	Temp	Eh
1			358 µS/cm	7.9°C	
2			362 "	8.0°C	
3			361 "	8.5°C	
4			363	8.5°C	
5			363 "	8.5°C	

NOTES:

Filled 3 zero head space amber glass bottles, 4 of which fizzed w/ H_2SO_4. Water has not cleared through 4 pore volumes. Clear after 5. Some water blowed when sampled

Total No. of Bottles - this station: 20

FIELD TRANSFER BLANK

CUSTODY RECORD:

Field Personnel	Signature	Date, Time
J. Maul	James J. Maul (Relinquished)	2/8/85, 1030
K. Magnus	(Received)	
	(Relinquished)	
	(Received)	
James J. Maul (Sampler Signature)	(Relinquished)	
2/7/85, 1800 (Date, Time)	(Received)	

SEA-400-01

Sweet, Edwards & Associates, Inc.

Field Sampling Data / Chain of Custody

115'

Station _____

Well or Surface Site Number MW-6

Date, Time 2/6/85, 1404

Weather [illegible]

PROJECT KAISER TRENTWOOD

CLIENT KAISER ALUMINUM

HYDROLOGY MEASUREMENTS:

Depth to Water Below Measuring Point:

(Nearest .01 ft.)	Elevation	Date, Time	Method Used (M-Scope Number or Other)
80-16 7/8"		2/6/85, 1415	

WELL EVACUATION:

Gallons	Pore Volumes	Method Used	Rinse Method	Date, Time
16.8	3 [illegible]	[illegible]	[illegible]	2/6/85
			[illegible]	

Surface Water Flow Speed _____, Measurement Method _____ Date, Time _____

SAMPLING:

Sample Number	Date, Time	Method	Volume (ml)	Container Type	Depth Taken (feet)	Field Filtered (yes,no)	Preservative	Iced (yes,no)	Sampler Cleaning Method
MW-6	2/6 1545	[illegible]	1000	[illegible]	[illegible]	yes	[illegible]	yes	[illegible]
			500	poly		yes	[illegible]		[illegible]
			500	poly		yes	[illegible]		[illegible]
			(5) 500	poly		yes	[illegible]		
			[illegible]	[illegible]		no	[illegible]		
			250	poly		yes	[illegible]		

FIELD WATER QUALITY TESTS:

Pore Vol. Number	pH	DO (mg/l)	Specific Conductivity	Temp	Eh			
1			317 µS/cm	9.82				
2			310 µS/cm	—				
3			318 µS/cm	—				

NOTES:

Sampler glass 250 ml, zero head space bottles

Total No. of Bottles - this station: 20

CUSTODY RECORD:

Field Personnel	Signature	Date, Time
J. Maul	[signature] Relinquished	2/8/85, 1535
K. Maynard	Recieved	
	Relinquished	
	Recieved	
[signature] Sampler Signature	Relinquished	
2/6/85, 1712 Date, Time	Recieved	

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