

LEGEND

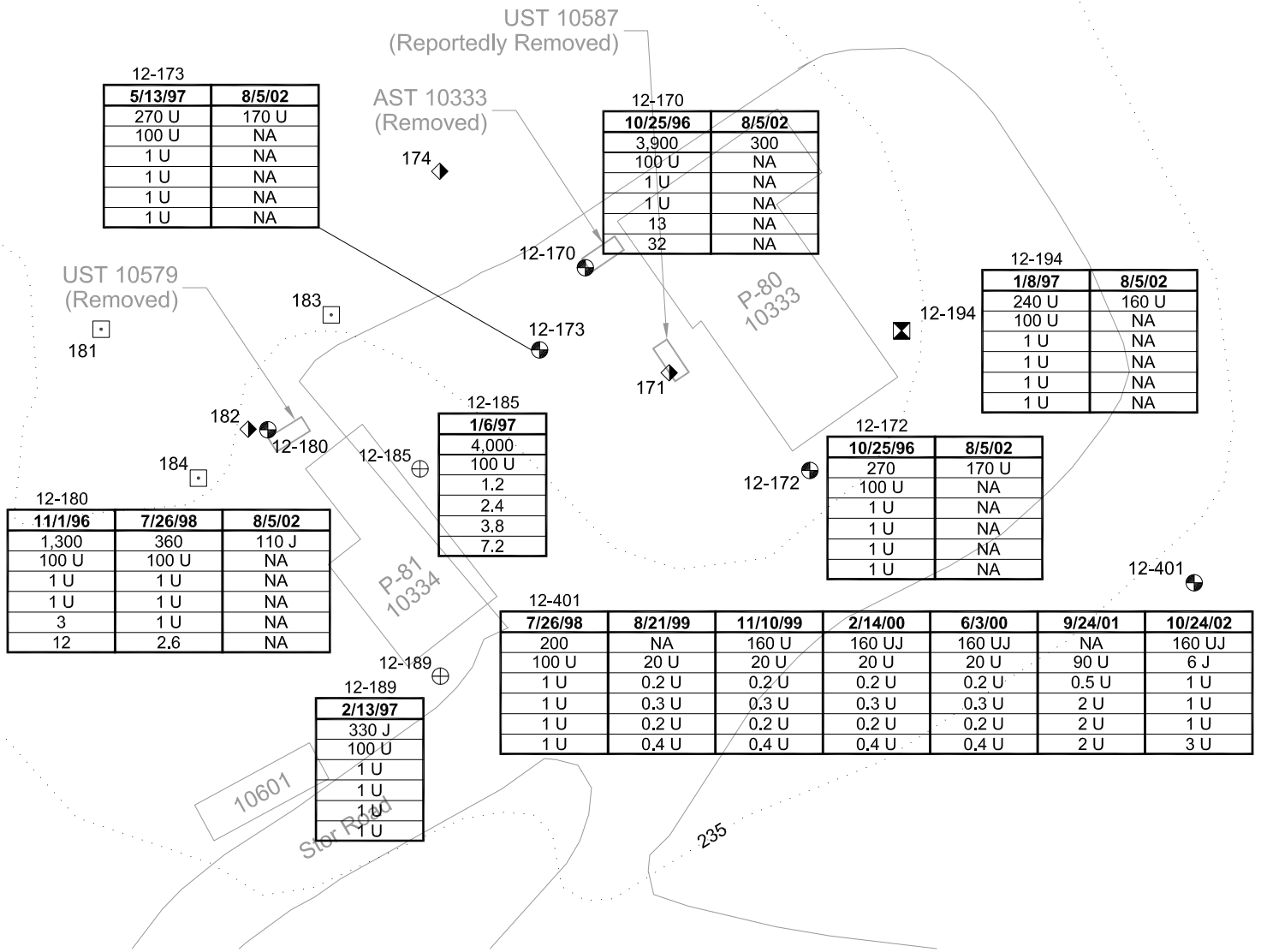
- ⋯ 25 ⋯ Elevation Contour (ft Above MLLW)
- ⊕ Monitoring Well
- ⊕ Abandoned Well
- ◆ Soil Boring
- Geoprobe
- ⊠ Geoprobe Well

12-180	
11/1/96	Sample Date
1,300	DRO
100 U	GRO
1 U	Benzene
1 U	Toluene
3	Ethylbenzene
12	Total Xylenes

- U Chemical Not Detected at Concentration Shown
- J Estimated Concentration
- NA Not Analyzed

Alaska DEC Groundwater Criteria	
DRO	15,000 ug/L
GRO	13,000 ug/L
Benzene	50 ug/L
Toluene	10,000 ug/L
Ethylbenzene	7,000 ug/L
Total xylenes	100,000 ug/L

Note: These criteria are for groundwater not used as a drinking water source (18 AAC 75). No concentrations in groundwater exceed these criteria.



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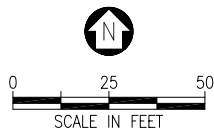


Figure B-9
DRO, GRO, and BTEX Concentrations in Groundwater
SA 82, P-80/P-81 Buildings

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 Adak Island, AK
 DECISION DOCUMENT

LEGEND

- 25 Elevation Contour (ft Above MLLW)
- Monitoring Well
- Abandoned Well
- Recovery Well
- Geoprobe Well
- Soil Boring
- Hand Auger
- Soil Sample
- Geoprobe Boring

Sample Location

Chemical Concentrations in Soil (mg/kg)

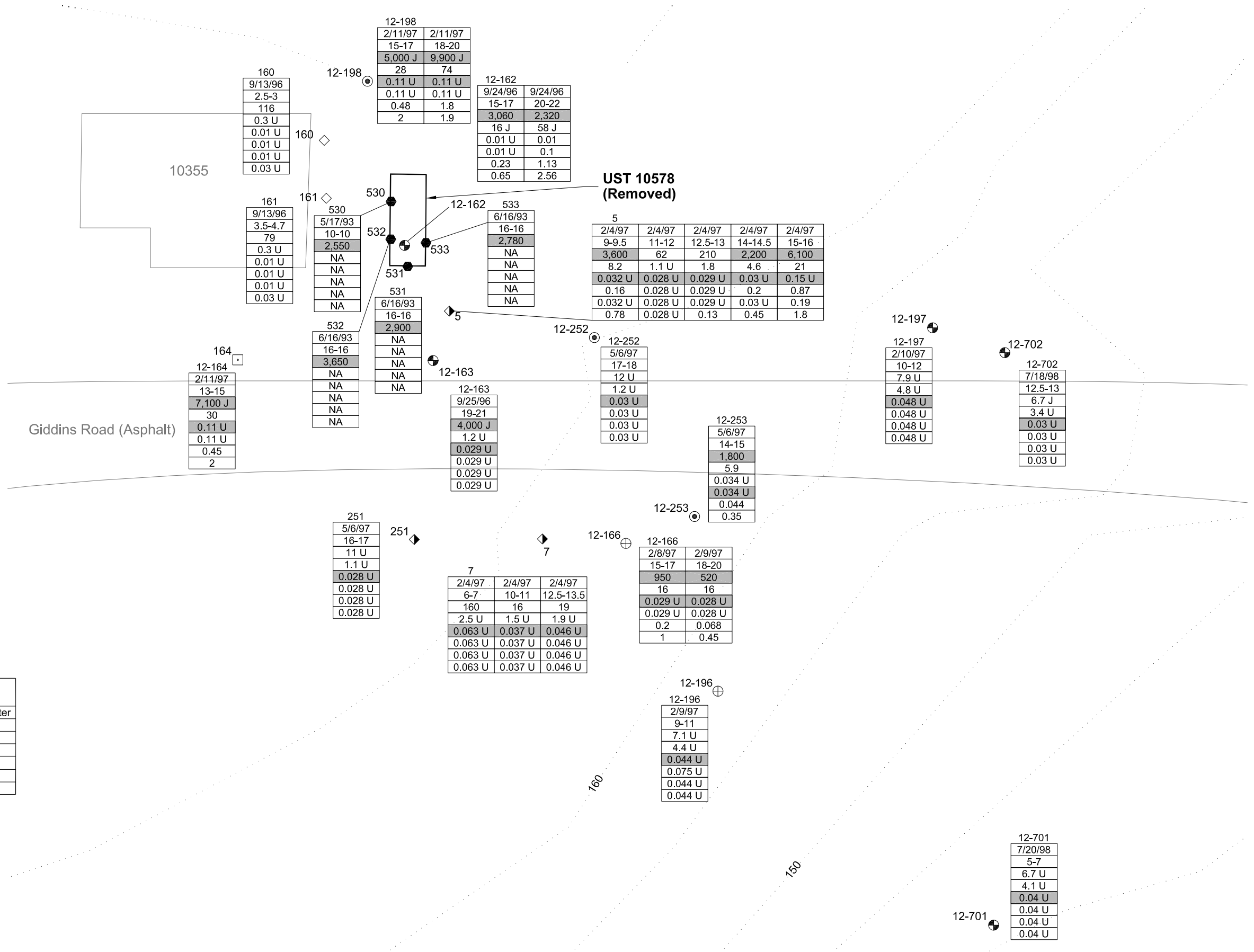
12-252	
10/10/96	Sample Date
15-17	Sample Depth Interval (ft bgs)
12	DRO
12	GRO
0.06	Benzene
0.08	Toluene
0.38	Ethylbenzene
1.4	Total Xylenes

- U Chemical Not Detected at Concentration Shown
- J Estimated Concentration
- bgs Below Ground Surface
- NA Not Analyzed

Alaska DEC Method 2 Soil Criteria Over 40-Inch Rainfall Zone			
	Ingestion	Inhalation	Migration to Groundwater
DRO	8,250 mg/kg	12,500 mg/kg	230 mg/kg
GRO	1,400 mg/kg	1,400 mg/kg	260 mg/kg
Benzene	230 mg/kg	6.4 mg/kg	0.02 mg/kg
Toluene	17,000 mg/kg	180 mg/kg	4.8 mg/kg
Ethylbenzene	8,300 mg/kg	89 mg/kg	5 mg/kg
Total xylenes	166,000 mg/kg	81 mg/kg	69 mg/kg

Note: These criteria are specified for petroleum release sites at Adak in the Record of Decision for Operable Unit A and are used to determine the maximum potential extent of petroleum related chemicals in soil. Actual site-specific soil cleanup levels are established following Alaska DEC Method 4 criteria.

Exceeds Most Stringent Criteria



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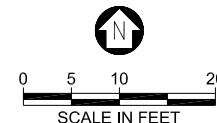


Figure B-10
DRO, GRO, and BTEX Concentrations in Soil
SA 88, P-70 Energy Generator
UST 10578

LEGEND

- 25--- Elevation Contour (ft Above MLLW)
- ⊕ Monitoring Well
- ⊙ Recovery Well
- ⊗ Geoprobe Well
- ⊕ Abandoned Well

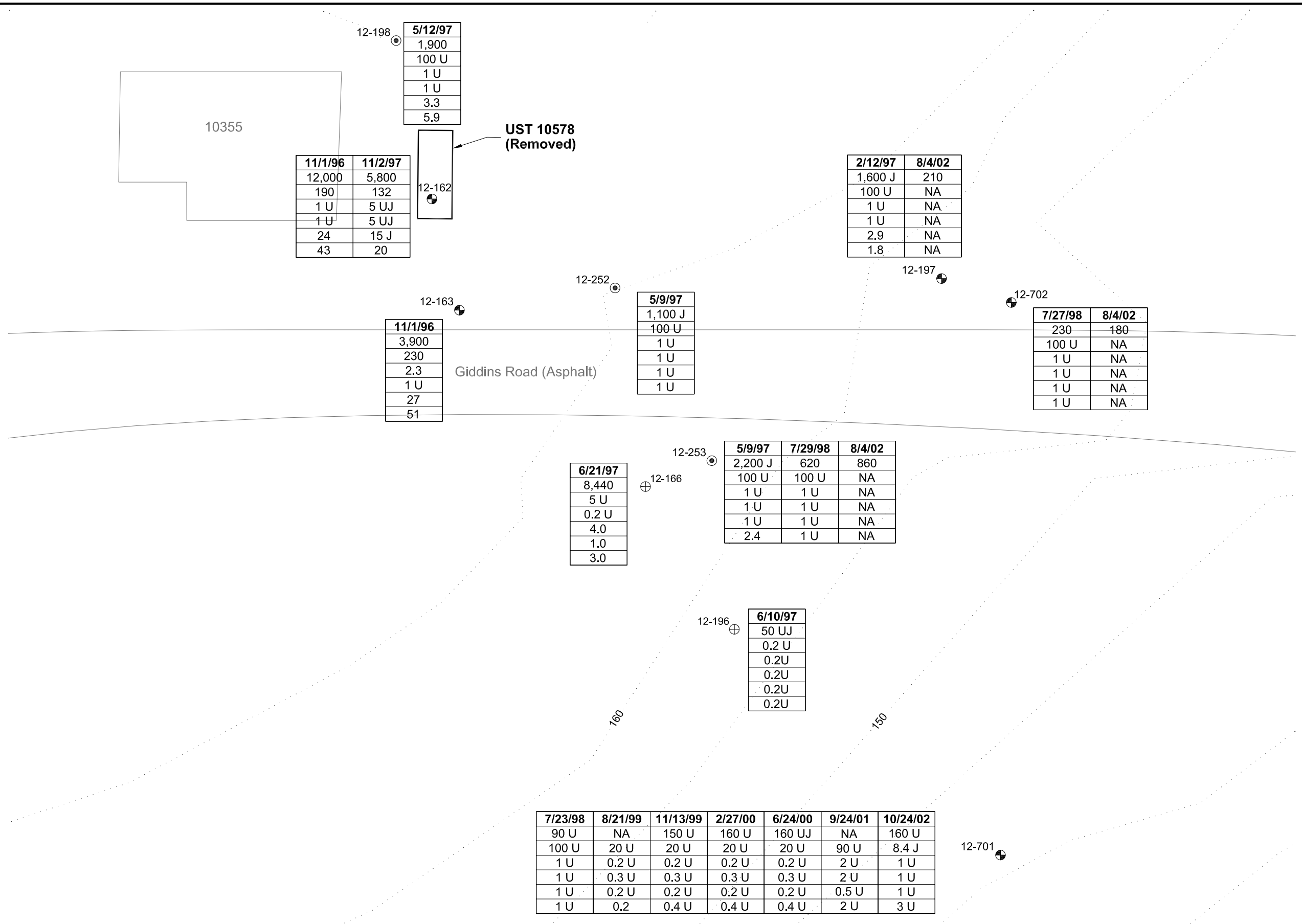
Note: Concentrations in ug/L.

10/25/96	Sample Date
3,900	DRO
100 U	GRO
1 U	Benzene
1 U	Toluene
13	Ethylbenzene
32	Total Xylenes

- U Chemical Not Detected at Concentration Shown
- J Estimated Concentration
- NA Not Analyzed

Alaska DEC Groundwater Criteria	
DRO	15,000 ug/L
GRO	13,000 ug/L
Benzene	50 ug/L
Toluene	10,000 ug/L
Ethylbenzene	7,000 ug/L
Total xylenes	100,000 ug/L

Note: These criteria are for groundwater not used as a drinking water source (18 AAC 75). No concentrations in groundwater exceed these criteria.



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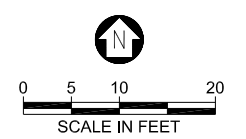


Figure B-11
DRO, GRO, and BTEX Concentrations in Groundwater
SA 88, P-70 Energy Generator
UST 10578

LEGEND

- 25--- Elevation Contour (ft Above MLLW)
- ==== Road
- x- Fence
- ⊕ Monitoring Well
- ⊙ Recovery Well
- ⊠ Geoprobe Well
- Soil Sample Collected During UST/AST Removal

Chemical Concentrations in Soil (mg/kg)

04-211	Sample Number
10/10/96	Sample Date
15-17	Sample Depth Interval (ft bgs)
12	DRO
12	GRO
0.06	Benzene
0.08	Toluene
0.38	Ethylbenzene
1.4	Total Xylenes

- U Chemical Not Detected at Concentration Shown
- J Estimated Concentration
- bgs Below Ground Surface
- NA Not Analyzed
- █ Exceeds Most Stringent Criteria
- * Detection Limit Exceeds Most Stringent Screening Criteria

Alaska DEC Method 2 Soil Criteria Over 40-Inch Rainfall Zone			
	Ingestion	Inhalation	Migration to Groundwater
DRO	8,250 mg/kg	12,500 mg/kg	230 mg/kg
GRO	1,400 mg/kg	1,400 mg/kg	260 mg/kg
Benzene	120 mg/kg	6.4 mg/kg	0.02 mg/kg
Toluene	17,000 mg/kg	180 mg/kg	4.8 mg/kg
Ethylbenzene	8,300 mg/kg	89 mg/kg	5 mg/kg
Total xylenes	166,000 mg/kg	81 mg/kg	69 mg/kg

Note: These criteria are specified for petroleum release sites at Adak in the Record of Decision for Operable Unit A and are used to determine the potential area of concern for petroleum hydrocarbons in soil. Actual site-specific soil cleanup levels are established following Alaska DEC Method 4 criteria.

010	018	12-120	12-120	520	521	522
8/29/94	8/29/94	9/18/96	9/18/96	3/31/96	3/29/96	3/31/96
12-12	15-15	15-17	20-22	11-11	11-11	11-11
3,370	3,890	880	30	22,000	8,400	35,000
NA	NA	9.8	6 U	300	150	740
NA	NA	0.03 U*	0.03 U*	0.73 U*	0.82 U*	0.6 U*
NA	NA	0.03 U	0.03 U	0.73 U	0.82 U	1.2
NA	NA	0.087 J	0.03 U	3.8	0.82 U	6.6
NA	NA	0.32 J	0.03 U	7.3	2.3	29

523	524	525	526	527
3/31/96	3/29/96	7/9/93	7/9/93	7/9/93
10.8-10.8	11-11	2-2	5.5-5.5	5.5-5.5
13 U	11,000	1,670	8,600	2,500
0.75 U	18	NA	NA	NA
0.019 U	0.017 U	NA	NA	NA
0.019 U	0.017 U	NA	NA	NA
0.019 U	0.069	NA	NA	NA
NA	0.45	NA	NA	NA

12-121	12-121	12-124	12-125	12-126
9/18/96	9/18/96	5/8/97	5/8/97	5/9/97
2.5-4.5	7.5-9.5	11-12	10.5-11	11-12
5,100 J	2,800 J	270	17,000	4,200
37	7.6 U	1.3 U	39	38
0.029 U*	0.038 U*	0.032 U*	0.082 U*	0.25 U*
0.036 J	0.038 U	0.032 U	0.082 U	0.25 U
0.38 J	0.049	0.032 U	0.97	0.56
1.9 J	0.29	0.032 U	2.3	3.6

12-110	12-110
1/8/97	1/8/97
2-4	5-7
3,200	1,400
2.8 U	66
0.028 U*	0.22 U*
0.028 U	0.23
0.028 U	0.86
0.12	4.8

12-106	12-106
9/16/96	9/16/96
10-12	10-12
5,400	5,400
16	16
0.029 U*	0.029 U*
0.031	0.031
0.029 U	0.029 U
0.029 U	0.029 U

12-112	12-111	12-113
1/10/97	1/10/97	1/10/97
0.2-0.9	1.5-1.8	0.1-0.7
28	18 J	4.8 U
2.8 U	2.9 U	2.9 U
0.028 U*	0.029 U*	0.029 U*
0.028 U	0.029 U	0.029 U
0.028 U	0.029 U	0.029 U
0.028 U	0.029 U	0.029 U

123	123
11/4/96	11/4/96
0-0.5	0-0.5
15,000 J	15,000 J
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA

122	122
11/4/96	11/4/96
0-0.5	0-0.5
13	13
NA	NA
NA	NA
NA	NA
NA	NA

12-601	12-601
7/22/98	7/22/98
3.3-3.8	3.3-3.8
7.7 J	7.7 J
4.5 U	4.5 U
0.04 U*	0.04 U*
0.04 U	0.04 U
0.04 U	0.04 U

12-254	12-254
5/7/97	5/7/97
0.1-0.3	0.1-0.3
320	320
43	43
0.046 U*	0.046 U*
0.046 U	0.046 U
0.9	0.9
4.4	4.4

12-610	12-610
7/8/99	7/8/99
6-8	8-10
14	4 U
5 U	5 U
0.05 U*	0.05 U*
0.1 U	0.1 U
0.1 U	0.1 U
0.1 U	0.1 U

12-604	12-604
7/23/98	7/23/98
7.5-8.5	7.5-8.5
8	8
5 U	5 U
0.05 U*	0.05 U*
0.05 U	0.05 U
0.05 U	0.05 U

12-101	003	009	011	015
9/17/96	10/15/94	10/17/94	10/17/94	10/17/94
4.5-6.5	9-9	3-3	2-2	3-3
42	1,600	17	11	212
2.8 U	NA	NA	NA	NA
0.028 U*	NA	NA	NA	NA
0.028 U	NA	NA	NA	NA
0.028 U	NA	NA	NA	NA
0.028 U	NA	NA	NA	NA

12-203	12-203
1/13/97	1/13/97
3-5	6-8
34	15
3.2 U	4.8 U
0.032 U*	0.048 U*
0.032 U	0.048 U
0.051	0.048 U
0.16	0.048 U

12-105	12-105
9/16/96	9/16/96
7-9	11.2-12.2
7,900	160
12	5.3 U
0.03 U*	0.053 U*
0.03 U	0.053 U
0.03 U	0.053 U
0.03 U	0.062

12-108	12-108	12-108	001	004
1/9/97	1/9/97	1/9/97	9/14/94	9/14/94
2-4	6-8	8-10	9-9	14-14
140	8.8	6.9	2,780	10 U
9.6	4.7 U	3.9 U	700	5 U
0.039 U*	0.47 U*	0.039 U*	0.4 J	0.05 U*
0.042	0.47 U	0.039 U	2.5 J	0.05 U
0.073	0.47 U	0.039 U	9.1 J	0.05 U
0.44	0.052	0.039 U	54.8 J	0.16

12-201	12-201	12-202	12-202
1/9/97	1/9/97	1/13/97	1/13/97
6-8	12-14	3-5	6-8
1,300	4.6 U	6,700	1,500
86	3 U	270	310
0.052 U*	0.03 U*	0.38 U*	0.41 U*
0.4	0.03 U	0.8	0.88
1.1	0.03 U	2.2	1.8
5.8	0.03 U	17	13

Limits of Aesthetic Corrective Action Completed During 1998

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Adak Island, AK
DECISION DOCUMENT

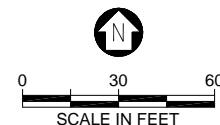


Figure B-12
DRO, GRO, and BTEX Concentrations in Soil
Heating Plant No. 6

LEGEND

- 25 --- Elevation Contour (ft Above MLLW)
- ==== Road
- x- Fence
- ⊕ Monitoring Well
- ⊙ Recovery Well
- ⊠ Geoprobe Well
- Surface Water Sample

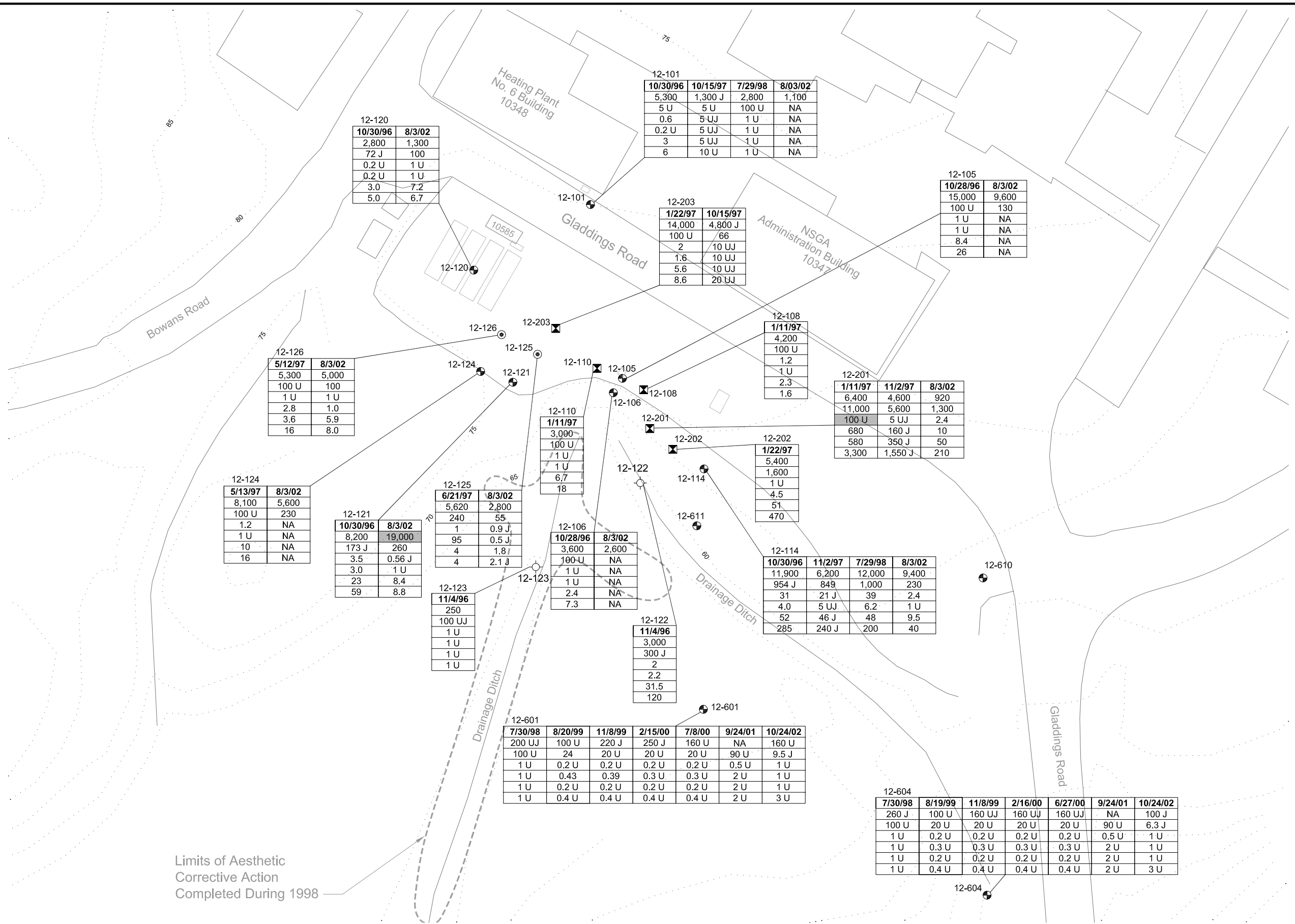
Note: Concentrations in ug/L.

04-210	Sample Number
10/15/96	Sample Date
250	DRO
100	GRO
1	Benzene
1	Toluene
2	Ethylbenzene
2	Total Xylenes

- U Chemical Not Detected at Concentration Shown
- J Estimated Concentration
- NA Not Analyzed
- █ Exceeds Criteria

Alaska DEC Groundwater Criteria	
DRO	15,000 ug/L
GRO	13,000 ug/L
Benzene	50 ug/L
Toluene	10,000 ug/L
Ethylbenzene	7,000 ug/L
Total xylenes	100,000 ug/L

Note: These criteria are for groundwater not used as a drinking water source (18 AAC 75).



Limits of Aesthetic Corrective Action Completed During 1998

<p>U.S. NAVY</p>	<p>Delivery Order 0037 Adak Island, AK DECISION DOCUMENT</p>		<p>Figure B-13 DRO, GRO, and BTEX Concentrations in Groundwater and Surface Water, Heating Plant No. 6</p>
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