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JUL 06 2000

July 3, 2000

Robert Weimer
ADEC/UST
555 Cordova St.
Anchorage, AK 99501

Dept. of Environmental Conservation
Underground Storage Tanks — FAP

Re: Senco; Spill #98210030101; Monitoring Well Results; Fourth Quarterly Sampling

The three monitoring wells at the Senco site were sampled on 6/20/00. This quarterly event was delayed a couple weeks, since the last event was delayed a month due to ice. The next event should be back on schedule, first week of September. The lab results for the three wells are attached, as is the running Monitoring Well Log.

MW1 showed benzene just at the default limit; all other parameters were below limits for this well and MW2. MW3 remains, as always, non-detect for all parameters. Since this is the fifth consecutive event with nothing detected, don't you think we can stop monitoring MW3 and decommission it?

If you have any questions, please give me a call.

Sincerely,



Ralph Hulbert, P.E.

Att: Lab results
Monitoring Well Log

Cc: Clay Dial, Senco Alaska

**CT&E Environmental Services Inc.**

200 W. Potter Drive
Anchorage, AK 99518-1605
Tel: (907) 562-2343
Fax: (907) 561-5301
Web: <http://www.cteesi.com>

Reports To:
Hulbert, Ralph P.E.
P.O. Box 1846
Palmer, AK 99645

Work Order:	1003187
	Senco
Client:	Hulbert, Ralph P.E.
Report Date:	June 28, 2000

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by CT&E. A copy of our Quality Control Manual that outlines this program is available at your request.

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth in our Quality Assurance Program Plan.

If you have any questions regarding this report or if we can be of any other assistance, please call your CT&E Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

- U Indicates the analyte was analyzed for but not detected.
- J Indicates an estimated value that falls below PQL, but is greater than the MDL.
- B Indicates the analyte is found in the blank associated with the sample.
- * The analyte has exceeded allowable limits.
- GT Greater Than
- D Secondary Dilution
- LT Less Than
- ! Surrogate out of range

SGS Member of the SGS Group (Societe Generale de Surveillance)



CT&E Environmental Services Inc.

CT&E Ref.# 1003187001
 Client Name Hulbert, Ralph P.E.
 Project Name/# Senco
 Client Sample ID SMW 62000-1
 Matrix Water (Surface, Eff., Ground)
 Ordered By

Client PO#
 Printed Date/Time 06/28/2000 15:44
 Collected Date/Time 06/20/2000 0:00
 Received Date/Time 06/20/2000 12:54
 Technical Director Stephen C. Ede

Released By

Sample Remarks:

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department								
Gasoline Range Organics	0.0900 u	0.0900	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Benzene	0.00508	0.00050	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Ethylbenzene	0.00273	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
P & M -Xylene	0.0020 u	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
o-Xylene	0.0020 u	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Toluene	0.0020 u	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Surrogates								
1,4-Difluorobenzene <Surr>	87.8		%	AK101/8021B	60-120	06/26/00	06/26/00	MCM
4-Bromofluorobenzene <Surr>	84.2		%	AK101/8021B	50-150	06/26/00	06/26/00	MCM


CT&E Environmental Services Inc.

CT&E Ref.# 1003187002
Client Name Hulbert, Ralph P.E.
Project Name/# Senco
Client Sample ID SMW 62000-2
Matrix Water (Surface, Eff., Ground)
Ordered By

Client PO#
Printed Date/Time 06/28/2000 15:44
Collected Date/Time 06/20/2000 0:00
Received Date/Time 06/20/2000 12:54
Technical Director Stephen C. Ede

Released By

Sample Remarks

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department								
Gasoline Range Organics	0.0900 U	0.0900	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Benzene	0.000956	0.00050	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Ethylbenzene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
P & M -Xylene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
o-Xylene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Toluene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCM
Surrogates								
1,4-Difluorobenzene <Surr>	87.4		%	AK101/8021B	60-120	06/26/00	06/26/00	MCM
4-Bromofluorobenzene <Surr>	82.9		%	AK101/8021B	50-150	06/26/00	06/26/00	MCM



CT&E Environmental Services Inc.

CT&E Ref.# 1003187003
 Client Name Hulbert, Ralph P.E.
 Project Name/# Senco
 Client Sample ID SMW 62000-3
 Matrix Water (Surface, Eff., Ground)
 Ordered By

Client PO#
 Printed Date/Time 06/28/2000 15:44
 Collected Date/Time 06/20/2000 0.00
 Received Date/Time 06/20/2000 12:54
 Technical Director Stephen C. Fide

Released By

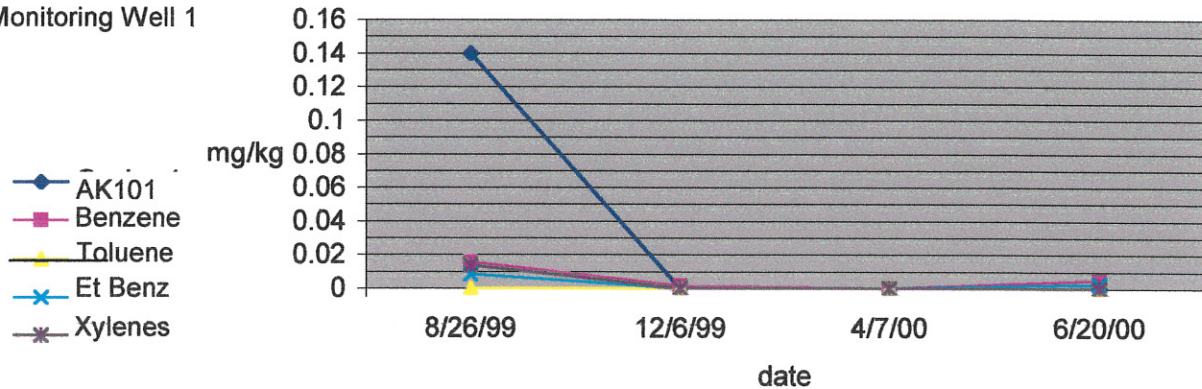
Sample Remarks

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department								
Gasoline Range Organics	0.0900 U	0.0900	mg/L	AK101/8021B		06/26/00	06/26/00	MCH
Benzene	0.00050 U	0.00050	mg/L	AK101/8021B		06/26/00	06/26/00	MCH
Ethylbenzene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCH
P & M -Xylene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCH
o-Xylene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCH
Toluene	0.0020 U	0.0020	mg/L	AK101/8021B		06/26/00	06/26/00	MCH
Surrogates								
1,4-Difluorobenzene <Surr>	86.6		%	AK101/8021B	60-120	06/26/00	06/26/00	MCH
4-Bromofluorobenzene <Surr>	80.4		%	AK101/8021B	50-150	06/26/00	06/26/00	MCH

Monitoring Well Log

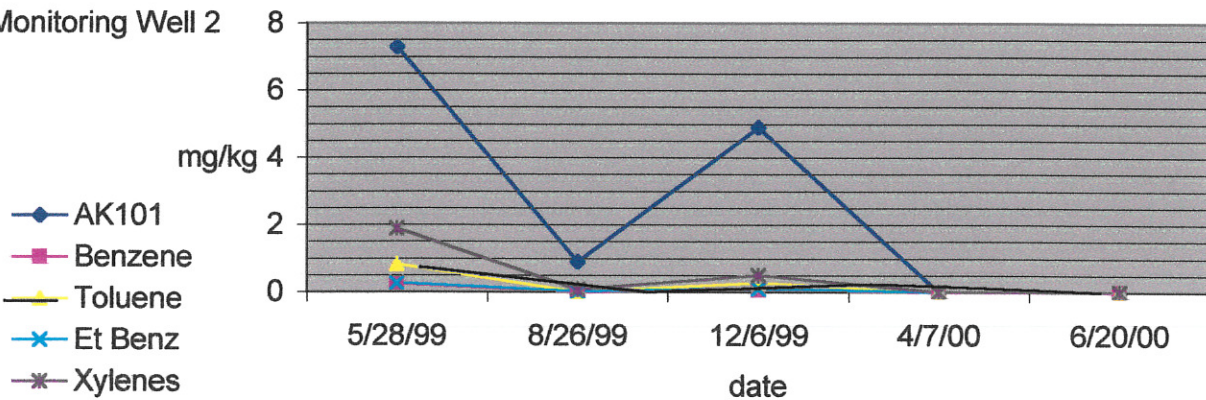
Monitoring Well #1 Results in mg/kg								
Sample #	Date	AK101	Benzene	Toluene	Et Benz	Xylenes	Depth	Comments
Goal		1.3	0.005	1	0.7	10	ft BTOC	From 18 AAC 75.341 Table C
	5/28/99						2.87	No lab sample
MW1	8/26/99	0.14	0.0154	0	0.00847	0.01377	1.21	First test
SMW1	12/6/99	0	0.00148	0	0	0	5.5	Second test
MW1	4/7/00	0	0	0	0	0	5.2	Third test
SMW62000-1	6/20/00	0	0.00508	0	0.00273	0	3.33	Fourth test

Monitoring Well 1



Monitoring Well #2 Results in mg/kg								
Sample #	Date	AK101	Benzene	Toluene	Et Benz	Xylenes	Depth	Comments
SGW99-1	5/28/99	7.3	0.25	0.815	0.259	1.89	3.53	First test
MW2	8/26/99	0.89	0.00561	0.00428	0.0206	0.0743	1.71	2nd test
SMW2	12/6/99	4.9	0.0632	0.273	0.0917	0.489	5.81	3rd test
MW2	4/7/00	0	0	0	0	0	5.5	4th test
SMW62000-2	6/20/00	0	0.000956	0	0	0	3.75	5th test

Monitoring Well 2



Monitoring Well #3 Results in mg/kg								
Sample #	Date	AK101	Benzene	Toluene	Et Benz	Xylenes	Depth	Comments
MW3-GW1	6/8/99	0	0	0	0	0	26.48	First test
MW3	8/26/99	0	0	0	0	0	26.24	2nd test
SMW3	12/6/99	0	0	0	0	0	24.28	3rd test
MW3	4/7/00	0	0	0	0	0	25.33	4th test
SMW62000-3	6/20/00	0	0	0	0	0	26.33	5th test

Notes: Lab non-detects are assigned zero values for graphing purposes.
Shaded cells have concentrations above target goals.