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July 24, 2003

009-08296-03

Mr. Jeff Gore
United States Environmental Protection Agency
Region V (5HE)
77 West Jackson Boulevard
Chicago, Illinois 60604

Subject: Annual Groundwater Treatment System Progress Report Number 5
July 2002 through June 2003
Fisher-Calo Superfund Site, Kingsbury, Indiana

Dear Mr. Gore:

Pursuant to the approved Remedial Action Work Plan (RAWP) and Operation, Maintenance, and Monitoring Plan (OM&M Plan) for the Groundwater Plume Remediation, LFR Inc. (LFR), on behalf of the Fisher-Calo RD/RA Site Group (Site Group), is submitting this Annual Progress Report for the period ending June 30, 2003. This annual report summarizes the OM&M activities for the groundwater-extraction and treatment system, and presents the treatment-plant and groundwater-monitoring data for the year from July 1, 2002 through June 30, 2003.

Extraction and Treatment System Operation

System Operation

The extraction and treatment system operated throughout the period with minimal interruptions. The system treated an average of approximately 1,192,320 gallons per day, or approximately 828 gallons per minute, throughout the period. LFR conducted routine equipment-maintenance activities on the treatment system during this reporting period. LFR shut down the plant for one day to clean air-strippers 1 and 3 in October 2002. A summary of the maintenance activities is presented in Attachment I.

Treatment-Plant Sampling

Pursuant to the approved OM&M Plan, LFR conducted sampling of the groundwater-treatment system during the reporting period to verify that the extracted groundwater was being properly treated, and that the approved discharge standards were being met. The treatment-plant sampling included the combined influent flow (all four well field control buildings combined) and the effluent flow. The sampling was conducted in April 2003.

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Offices Worldwide

Data Review and Validation

The data from the treatment-system sampling were validated according to the requirements of the OM&M Plan Quality Assurance Project Plan (QAPP). The sample data were evaluated for accuracy by assessing the percent recoveries from blank spikes, laboratory control samples, and surrogate compound spikes, as well as from laboratory method-blank sample data.

The precision of the data was assessed by conducting a review of the data from laboratory and field-duplicate sample analyses. The effects of the sample matrices on the precision and accuracy of the data were evaluated by the analysis of matrix spike/matrix spike duplicate samples. All of the data were determined to be acceptable for use in the monitoring program. The data validation memorandum for the April 2003 treatment-plant sampling event, detailing the assessment of the treatment system data, is presented in Attachment II.

Summary of Treatment-Plant Data

LFR conducted annual treatment-plant sampling for this reporting period on April 14, 2003. The data presented in Tables 1 and 2 show that the treatment system is effectively treating the groundwater and that all discharge standards for the treated groundwater are being met according to the RAWP.

Treatment-Plant Air Discharges

The actual concentrations of volatile organic compounds (VOCs) within the influent to the treatment plant continue to be lower than the estimated design influent profile concentrations, which were developed within the RAWP. Therefore, VOCs present in the daily air discharge from the air strippers should be well below the allowable 15 pounds per day (lbs/day). In order to confirm this, LFR calculated the total mass of VOCs discharged to the atmosphere using mass-balance equations and the annual influent sampling data. The mass-balance calculation assumes that the entire mass is vented to the atmosphere. Table 3 summarizes the calculation of VOCs present in the air discharge for the past five years. Based on the most recent influent data, the total mass of VOCs discharged to the atmosphere is 1.88 lbs/day, which is well below the allowable 15 lbs/day. In addition, Table 3 presents the lbs/year of VOCs removed since system startup. Based on the Table 3 data, the VOC removal rate appears to be decreasing, but at this time the trend is not statistically significant.

Treatment-System Sampling

The Fisher-Calo treatment system has operated for five years as of April 2003. The treatment-system sampling frequency was changed from monthly to annually in May 2001, with United States Environmental Protection Agency (U.S. EPA) and Indiana Department of Environmental Management (IDEM) approval, as it has been demonstrated that pollutant concentrations have been kept below the proposed limits during the initial four plus years of operation. CRA communicated the change in treatment-plant sampling frequency in the July 2001 Annual Progress Report Number 3.

The next treatment-system sampling is scheduled for April 2004.

Facility Inspections

Weekly inspections were conducted throughout this reporting period. In addition to the weekly inspections, monthly inspections (which involve a more detailed checklist) were conducted during the reporting period. Also, semiannual inspections were conducted in December 2002 and June 2003.

Other than routine maintenance items, there were no problems noted during the weekly, monthly, and semiannual inspections. Copies of the weekly, monthly, and semiannual inspection logs are maintained at the treatment building office and at LFR's Elgin, Illinois office. Copies of these logs can be provided to the U.S. EPA and IDEM upon request.

Facility Maintenance and Equipment Repairs

All routine and non-routine maintenance activities conducted this year are presented in Attachment I.

Groundwater Monitoring and Sampling

Hydraulic Monitoring

Hydraulic-Sampling Events

LFR conducted groundwater-level measurements on August 20 and November 4, 2002, and February 3 and May 5, 2003 to confirm that hydraulic containment is being achieved at all four plumes. A total of 161 monitoring wells and piezometers were monitored, along with ten staff gauges installed within Travis Ditch. The 16 extraction wells were also monitored as part of this program. The locations of the hydraulic monitoring networks are shown on Figures 1 through 4.

Some variations in pumping rates occurred during the period, and the pumping rates observed during each hydraulic monitoring event are shown on the Figures in Attachment III. Monthly pumping rates at each extraction well are included in Table 4.

Evaluation of Hydraulic Monitoring Data

The results of the four rounds of hydraulic monitoring conducted during the past year are summarized in Tables 5 through 8. Also included in the tables are the historical minimum and maximum groundwater levels (since February 1998, the startup date of the extraction system). Ground water levels measured during the May 2003 monitoring event were at or near historic minimum levels. Based on these measured groundwater levels, groundwater contour drawings were developed for each of the four plumes. These drawings were developed using Surfer (Golden

Software), Version 7.0, to evaluate the effectiveness of the extraction-well capture areas. The contour maps for the February and May 2003 monitoring events are presented in Attachment III.

A review of the hydraulic monitoring data presented in Tables 5 through 8, and the figures included in Attachment III, shows that hydraulic containment was achieved at all four plumes throughout this year. Target pumping rates were closely maintained.

Hydraulic-Monitoring Schedule

In April 2003, the U.S. EPA and IDEM approved the Site Group's request for a change in the hydraulic monitoring frequency from quarterly to semi-annually. Therefore, hydraulic monitoring will now occur with the semi-annual groundwater-sampling events in May and November of each year.

Groundwater Sampling and Analysis

Groundwater-Sampling Events

Two rounds of groundwater-sampling activities were conducted this year: between November 5 and 8, 2002, and between May 5 and 8, 2003. In November 2002, LFR sampled 33 monitoring wells and 14 operating extraction wells; in May 2003, LFR sampled the five year expanded list of 54 monitoring wells (includes 21 plume monitoring wells) and 14 operating extraction wells in accordance with the OM&M Plan and Groundwater Contingency Plan. The locations of the monitoring wells are shown on Figures 1 through 4. Groundwater samples were submitted with chain-of-custody documentation to Severn Trent Laboratories, Inc. in University Park, Illinois, for analysis of VOCs. The results of the two groundwater-sampling events for this year including the plume well results are provided in Tables 10 through 13.

Data Review and Validation

Upon receipt of the analytical reports, LFR conducted a detailed review and validation of the analytical data in accordance with the OM&M QAPP. LFR included the data-validation memorandum for the November 2002 sampling event in the January 2003 semi-annual report. Attachment IV includes the results of the review and data validation for the November 2002 and May 2003 monitoring event. The November 2002 data validation memo presented in this report was revised to include comments from IDEM. Based on the data-validation results, LFR determined the quality of the groundwater data for this period of sampling is acceptable.

Summary of Annual Analytical Data

The analytical data for each of the four plume areas are summarized separately in Tables 10 through 13. These tables include a summary of the data compared to the groundwater criteria as listed in the groundwater contingency plan. Copies of the laboratory reports are not included in this report; however, copies can be made available to the U.S. EPA and IDEM upon request.

The results of this reporting period's groundwater sampling show that the constituents detected and the concentrations detected are similar to previous sampling rounds. These data also confirm the extent of the four plumes as established in previous reports.

Pursuant to Section 5.2 of the Groundwater Contingency Plan (GCP), LFR conducted statistical analysis of the November 2002 sampling data and presented the results in the January 2003 semiannual report. No action was triggered under the GCP. The statistical analysis for the November 2002 sampling event is presented in Attachment V. The November 2002 statistics memo presented in this report was revised to include comments from IDEM.

LFR conducted statistical analysis using the May 2003 groundwater analytical data. Based on the statistical analysis, no action was triggered under the groundwater contingency plan during this period. Attachment V presents the detailed statistical analysis for the May 2003 ground water sampling event.

Reporting

Monthly teleconferences have continued to allow for communication on the progress of the work under the Groundwater Remediation Program and Source Area Remediation program. Minutes from the monthly teleconferences from July 2002 through to June 2003 are presented in Attachment VI.

Discussion

As a result of five years of treatment system operation, the groundwater pumping has successfully contained contaminant migration downgradient of the extraction wells at all four plumes. Containment is demonstrated by the groundwater level contour maps and results of boundary well sampling. In addition, containment at the One-Line North and One-Line South plumes is demonstrated by the results of the statistical trend analysis at CRA-58 and CRA-24A presented in the statistics memo in each of the progress reports. Furthermore, there are currently no action level exceedances at previously contaminated wells CRA-58 and CRA-24A.

LFR

If you have any questions or need additional information, please contact us at (847) 695-8855.

Sincerely,

Wei-Lin Feng, P.E., P.G.
Principal

Dale N. Ellingson, P.E.
Senior Project Engineer

Attachments

cc: R. Ramsey
R. Olian
R. Paulen
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DALE N. ELLINGSON
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TABLES

TABLE 1

COMBINED INFLUENT SAMPLE DATA
FISHER CALO SITE
KINGSBURY, INDIANA

Date Collected:	06/15/98	04/21/99	04/18/00	04/10/01	04/09/02	04/14/03
Year:	*0*	*1*	*2*	*3*	*4*	*5*
Volatile Organic Compounds (µg/L)						
Vinyl chloride	12J	9	12	10	8	7.5
Chloroethane	7	3	4	3	3	1.9
1,1-Dichloroethene	3	4	3	1	1	ND (1)
Acetone	ND(2)	ND(2)	ND(2)	ND(2)	ND (5)	ND (5)
Methylene chloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
trans-1,2-Dichloroethene	6	4	4	4	3	3
1,1-Dichloroethane	130	120	100	72	68	57
cis-1,2-Dichloroethene	140	110	84	74	72	63
2-Butanone	ND(2)	ND(2)	ND(2)	ND(2)	ND (5)	ND (5)
Chloroform	ND(0.5)	ND(0.5)	2	1	0.94 J	0.69 J
1,2-Dichloroethane	3	3 J	2	1	0.95 J	0.81 J
Trichloroethene	37	33	38	32	28	29
4-Methyl-2-pentanone	ND(2)	ND(2)	ND(2)	ND(2)	ND (5)	ND (5)
Toluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
Tetrachloroethene	2	1	4	3	3	3.7
2-Hexanone	ND(2)	ND(2)	ND(2)	ND(2)	ND (5)	ND (5)
Ethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
Xylenes (total)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
1,1,1-Trichloroethane	60	37	49	36	32	28
Semivolatile Organic Compounds (µg/L)						
bis(2-Ethylhexyl)phthalate	NA	ND(5)	ND(5)	NA	NA	NA
Metals (µg/L)						
Calcium	57,300	58,300	68,400	62,800	63,000	66,500
Iron	470	353	385	460	400	130
Manganese	68	77.6	96.8	80.3	90	97.5
General Chemistry Parameters (mg/L)						
Alkalinity	201	198	200	201	210	210
Ammonia-Nitrogen	1.3	0.69	0.45J	0.48	0.33	0.54
Total Suspended Solids	ND(4)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

ND( ) - Not detected at the quantitation limit listed in parentheses.
NA - Not Analyzed
J - The associated result is an estimated quantity.

TABLE 2

EFFLUENT SAMPLE DATA
FISHER-CALO SITE
KINGSBURY, INDIANA

Date Collected:		06/15/98	04/21/99	04/18/00	04/10/01	04/12/02	04/14/03
Year:		0	1	2	3	4	5
	Discharge						
Volatile Organic Compounds (µg/L)	***Standard***						
Vinyl chloride	***2***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
Chloroethane	***870***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
1,1-Dichloroethene	***7***	ND(0.5)	0.5	ND(0.5)	ND(0.5)	ND (1)	ND (1)
Acetone	***28,327***	ND(2)	ND(2)	ND(2)	3	ND (5)	ND (5)
Methylene chloride	***5***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
trans-1,2-Dichloroethene	***100***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
1,1-Dichloroethane	***1,516***	ND(0.5)	ND(0.5)	2	2	1	1.8
cis-1,2-Dichloroethene	***70***	0.8	0.7	3	4	3	3.9
2-Butanone	***7,160***	ND(2)	ND(2)	ND(2)	ND(2)	ND (5)	ND (5)
Chloroform	***100***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,2-Dichloroethane	***5***	ND(0.5)	ND(0.5)	0.5	ND(0.5)	ND(0.5)	ND(1)
Trichloroethene	***5***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
4-Methyl-2-pentanone	***1,160***	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)
Toluene	***860***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND (1)	ND (1)
Tetrachloroethene	***5***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2-Hexanone	***980***	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)
Ethylbenzene	***700***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
Xylenes (total)	***1,994***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
1,1,1-Trichloroethane	***200***	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
Semivolative Organic Compounds (µg/L)							
Phenol	***1,977***	ND(5) UJ	ND(5) UJ	ND(5)	ND(5) UJ	ND(4.8)	ND(4.9)
2-Methylphenol	***1,241***	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(4.9)
4-Methylphenol	***1,167***	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(4.9)
Isophorone	***5,028***	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(4.9)
bis(2-Ethylhexyl)phthalate	***6***	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(4.9)
General Chemistry (mg/L)							
Ammonia-Nitrogen	***5/7***	1.2	0.66	0.46J	0.39	0.32	0.46

TABLE 3

CALCULATIONS OF VOCs DISCHARGED TO AIR
FISHER-CALO SITE
KINGSBURY, INDIANA

Year	Date	Total VOC [1] Influent Concentration (µg/L)	Total VOC [2] Effluent Concentration (µg/L)	Total VOCs Removed (µg/L)	Average Daily Flow [3]		Total Daily flow (litres)	VOCs Removed per day [4]		VOCs Removed	
					gpm	lpm		kg	lb.	gal/lb	lb/year
0	6/15/1998	399.2	0.8	398.4	593.2	2245.3	3233177.3	1.29	2.84	300,487	1,037
1	4/21/1999	324.0	1.2	322.8	578.0	2187.7	3150331.2	1.02	2.24	370,862	818
2	4/18/2000	302.0	5.5	296.5	770.4	2916.0	4199040.0	1.25	2.74	403,758	1,002
3	4/10/2001	237.0	9.0	228.0	792.0	2997.6	4316498.8	0.98	2.17	525,062	792
4	4/12/2002	219.0	4.1	214.9	824.0	3118.8	4491129.6	0.97	2.13	557,069	777
5	4/14/2003	194.6	5.7	188.9	828.0	3134.0	4512931.2	0.85	1.88	633,744	343
										Total through June 2003 (lb)	4,768

Notes:

[1] Total VOCs for Influent Concentrations obtained from Table 1 by adding all detected VOCs.

[2] Total VOCs for Effluent Concentrations obtained from Table 2 by adding all detected VOCs.

[3] Average daily flow obtained from archived data for day of treatment plant sampling.

[4] Assumes 100% of removed VOCs are discharged to the atmosphere from the treatment plant.

µg/L micrograms/liter
gpm gallons per minute
kg kilograms
lbs pounds

TABLE 4

SUMMARY OF EXTRACTION WELL FLOWRATES
FISHER-CALO SITE
KINGSBURY, INDIANA

Well ID	Target Pumping Rates (gpm)	Pumping Rates 07/03/02 (gpm)	Pumping Rates 08/03/02 (gpm)	Pumping Rates 09/04/02 (gpm)	Pumping Rates 09/30/02 (gpm)	Pumping Rates 11/07/02 (gpm)	Pumping Rates 12/03/02 (gpm)	Pumping Rates 01/08/03 (gpm)	Pumping Rates 02/03/03 (gpm)	Pumping Rates 03/04/03 (gpm)	Pumping Rates 04/01/03 (gpm)	Pumping Rates 05/05/03 (gpm)	Pumping Rate 06/04/03 (gpm)
EW1N-01	70.0	69.5	67.2	67.5	69.4	73.5	70.3	67.7	70.0	69.4	70.5	69.8	69.4
EW1N-02	70.0	69.2	69.8	73.8	68.2	70.6	70.4	70.1	70.4	69.9	70.4	70.2	70.0
EW1N-03	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
EW1N-04	75.0	75.2	75.2	74.8	75.1	75.2	73.4	74.2	73.7	75.7	75.9	74.9	74.0
	215.0	213.9	212.2	216.1	212.7	219.3	214.1	212.0	214.1	215.0	216.8	214.9	213.4
EW1S-01	80.0	75.7	73.8	79.5	81.2	78.8	79.3	80.0	80.2	81.0	80.0	80.0	80.0
EW1S-02	80.0	79.6	77.7	80.0	79.5	79.2	79.9	80.0	80.4	80.4	80.0	79.8	80.0
EW1S-03	80.0	76.5	78.0	79.3	80.1	77.7	78.4	80.3	80.1	80.6	80.3	80.1	79.6
EW1S-04	70.0	70.6	69.6	70.9	72.4	70.1	69.9	70.6	70.3	69.6	70.4	70.7	70.2
	310.0	302.4	299.1	309.7	313.2	305.8	307.5	310.9	311.0	311.6	310.7	310.6	309.8
EW2N-01	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
EW2N-02	57.5	54.4	52.4	57.9	55.2	56.4	56.7	58.7	57.1	56.4	57.3	56.8	56.6
EW2N-03	57.5	55.7	51.3	57.3	54.5	54.3	56.8	57.2	56.4	58.0	57.2	56.9	56.6
EW2N-04*	75.0	74.9	74.8	73.8	75.5	74.4	74.6	76.1	74.3	74.8	75.9	74.7	75.0
	190.0	185.0	178.5	189.0	185.2	185.1	188.1	192.0	187.8	189.2	190.4	188.4	188.2
EWSL-01	35.0	34.9	35.3	34.7	34.4	35.3	33.0	34.5	35.0	39.8	35.7	35.1	35.4
EWSL-02	32.5	32.6	32.0	32.0	32.1	30.9	28.0	31.8	31.7	25.8	22.8	33.0	33.5
EWSL-03	25.0	25.3	25.3	25.2	25.7	23.3	31.0	25.4	25.1	25.8	25.6	25.1	25.1
EWSL-04	25.0	25.5	23.3	23.8	24.7	25.1	33.0	24.5	24.8	25.2	25.2	25.4	25.1
	117.5	118.3	115.9	115.7	116.9	114.6	125.0	116.2	116.6	116.6	109.3	118.6	119.1
	832.5	819.6	805.7	830.5	828.0	824.8	834.7	831.1	829.5	832.4	827.2	832.5	830.5

Note: * - The target pumping rate at EW2N-4 was increased in September 2000, to 62.5 gpm and in November 2000 to 75.0 gpm

TABLE 5
SUMMARY OF HYDRAULIC MONITORING
ONE LINE ROAD NORTH
FISHER-CALO SITE

Well ID	Reference Elevation	August 20, 2002		November 4, 2002		February 3, 2003		May 5, 2003		Historical Minimum	Historical Maximum
	(ft AMSL) [1]	(ft BTOC) [2]	(ft AMSL) [3]	(ft BTOC) [2]	(ft AMSL) [3]	(ft BTOC) [2]	(ft AMSL) [3]	(ft BTOC) [2]	(ft AMSL) [3]	(ft AMSL) [2]	(ft AMSL) [2]
CRA-14	740.34	26.00	714.34	26.34	714.00	25.10	714.24	27.23	713.11	713.09	717.30
CRA-26	727.85	18.41	709.44	19.16	708.69	19.66	708.19	19.93	707.92	707.92	711.17
CRA-27A	725.30	17.56	707.74	18.08	707.22	18.37	706.93	18.43	706.87	706.83	709.19
CRA-27B	725.48	17.71	707.77	18.21	707.27	NM	NM	18.56	706.92	706.85	709.21
CRA-28	728.48	18.70	709.78	19.31	709.17	19.63	708.85	19.75	708.73	708.72	711.53
CRA-29A	733.41	22.02	711.39	22.80	710.61	23.31	710.10	23.57	709.84	709.84	713.33
CRA-29B	732.89	21.46	711.43	22.26	710.63	22.76	710.13	23.03	709.86	709.89	713.42
CRA-30A	729.43	18.63	710.80	19.44	709.99	20.02	709.41	20.32	709.11	709.11	712.72
CRA-30B	729.25	18.42	710.83	19.26	709.99	19.80	709.45	20.11	709.14	709.14	712.75
CRA-31A	712.66	7.58	705.08	7.71	704.95	7.83	704.83	7.48	705.18	704.77	705.55
CRA-31B	712.77	NM	NM	7.62	705.15	7.88	704.89	NM	NM	704.82	705.63
CRA-32	712.25	7.48	704.77	7.60	704.65	7.76	704.49	7.44	704.81	704.47	705.17
CRA-3B	715.91	9.84	706.07	9.98	705.93	10.11	705.80	9.80	706.11	705.71	707.46
CRA-41	*718.19*	*10.71*	*707.48*	*11.19*	*707.00*	*11.45*	*706.74*	*11.44*	*706.75*	*706.63*	*708.93*
CRA-42	716.50	10.51	705.99	10.89	705.61	11.03	705.47	10.89	705.61	705.35	707.03
CRA-43	723.81	16.47	707.34	16.66	707.15	17.24	706.57	17.25	706.56	706.48	708.65
CRA-58	714.20	9.01	705.19	9.01	705.19	9.27	704.93	8.94	705.26	704.87	705.68
CRA-59	712.49	7.07	705.42	7.07	705.42	7.33	705.16	7.02	705.47	705.08	705.92
CRA-60	713.70	8.07	705.63	8.20	705.50	8.33	705.37	8.03	705.67	705.23	706.09
CRA-63	725.02	15.03	709.99	15.51	709.51	15.77	709.25	15.82	709.20	709.13	710.59
CRA-64	717.03	10.19	706.84	10.39	706.64	10.53	706.50	11.33	705.70	705.70	707.47
MW-34	725.33	15.86	709.47	16.46	708.87	16.97	708.36	17.16	708.17	708.17	711.20
MW-36	725.09	15.66	709.43	16.35	708.74	16.78	708.31	16.96	708.13	708.13	711.15
MW-44	735.40	21.86	713.54	22.75	712.65	23.51	711.89	23.86	711.54	711.45	715.77
MW-47	733.67	21.57	712.10	22.47	711.20	23.25	710.42	23.76	709.91	709.91	714.26
P-09A	713.06	7.77	705.29	7.87	705.19	7.99	705.07	7.68	705.38	704.98	705.81
P-09B	713.22	7.98	705.24	8.09	705.13	8.22	705.00	7.90	705.32	704.93	705.77
P-10A	719.54	14.06	705.48	14.21	705.33	14.33	705.21	14.06	705.48	705.16	706.08
P-10B	719.60	14.15	705.45	14.29	705.31	14.45	705.15	14.17	705.43	705.03	705.97
PZ1N-01	715.27	10.38	704.89	10.66	704.61	10.76	704.51	10.55	704.72	704.34	706.33
PZ1N-02	715.13	10.44	704.69	10.76	704.37	10.87	704.26	10.67	704.46	704.20	706.18
PZ1N-03	716.81	10.99	705.82	11.33	705.48	11.50	705.31	11.34	705.47	705.23	706.67
PZ1N-04A	715.05	9.75	705.30	10.00	705.05	10.11	704.94	9.92	705.13	704.82	706.17
PZ1N-04B	715.05	9.74	705.31	10.01	705.04	NM	NM	9.92	705.13	704.82	706.19
PZ1N-05	713.44	8.25	705.19	8.45	704.99	8.57	704.87	8.30	705.14	704.79	705.79
PZ1N-06A	716.98	11.48	705.50	11.76	705.22	11.93	705.05	11.73	705.25	704.98	706.40
PZ1N-06B	716.93	11.44	705.49	11.71	705.22	11.89	705.04	11.68	705.25	704.97	706.38
PZ1N-07	716.71	10.38	706.33	10.78	705.93	10.99	705.72	10.89	705.82	705.63	707.31
PZ1N-08	718.61	12.79	705.82	13.10	705.51	13.25	705.36	13.20	705.41	705.19	706.85
PZ1N-09	717.67	11.48	706.19	11.78	705.89	11.04	706.63	11.84	705.83	705.61	706.80
PZ1N-10	715.89	9.82	706.07	10.04	705.85	10.18	705.71	9.99	705.90	705.58	706.47
PZ1N-11	716.67	10.68	705.99	10.94	705.73	11.08	705.59	10.94	705.73	705.45	706.40
PZ1N-12	717.12	10.69	706.43	11.03	706.09	11.21	705.91	11.14	705.98	705.77	706.86
EW1N-1	715.14	12.65	702.49	13.21	701.93	13.38	701.76	13.28	701.86	701.86	706.26
EW1N-2	715.14	13.30	701.84	13.08	702.06	13.18	701.96	13.53	701.61	701.61	705.70
EW1N-3	715.95	10.07	705.88	10.41	705.54	10.59	705.36	10.42	705.53	705.28	706.27
EW1N-4	718.71	19.11	699.6	19.58	699.13	19.75	698.96	19.72	698.99	698.99	706.86
SW-1 [4]	720.39/720.62	11.20	709.42	11.26	709.13	11.40	708.99	11.11	709.28	709.28	709.80
SW-4	704.35	1.50	706.13	1.16	705.51	1.30	705.65	1.35	705.70	705.28	706.06
SW-5	703.65	1.20	705.55	1.34	704.99	1.00	704.65	1.60	705.25	704.83	705.69
SW-6	702.35	1.35	703.70	1.24	703.59	1.20	703.55	1.30	703.65	703.21	703.85
SW-10	704.63	1.20	705.83	1.42	706.05	1.04	705.67	1.65	706.28	705.83	706.61

Notes:

(1) Current Reference Elevation.

(2) ft BTOC - feet below reference elevation (or marking on staff gauge for SW-1 — SW-10).

(3) ft AMSL - feet above mean sea level.

(4) SW-1 was reestablished in January 2002

TABLE 6
SUMMARY OF HYDRAULIC MONITORING
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Well ID	Reference Elevation	August 20, 2002		November 4, 2002		February 3, 2003		May 5, 2003		Historical Minimum	Historical Maximum
	(ft AMSL) [1]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft AMSL)[2]	(ft AMSL)[2]
CRA-20A	712.78	8.85	703.93	9.57	703.21	9.90	702.88	9.76	703.02	702.85	705.37
CRA-20B	713.02	9.10	703.92	9.82	703.20	10.16	702.86	10.02	703.00	702.85	705.34
CRA-21A	732.34	24.20	708.14	25.12	707.22	25.84	706.50	26.10	706.24	706.24	710.05
CRA-21B	731.78	23.68	708.10	24.54	707.24	25.25	706.53	25.55	706.23	706.23	710.27
CRA-22A	729.74	22.51	707.23	23.43	706.31	24.17	705.57	24.38	705.36	705.36	709.32
CRA-22B	729.57	22.35	707.22	23.28	706.29	24.01	705.56	24.21	705.36	705.36	709.30
CRA-23	710.23	6.93	703.30	7.17	703.06	7.29	702.94	6.98	703.25	702.93	703.80
CRA-24A	708.87	6.67	702.20	7.28	701.59	7.40	701.47	6.95	701.92	701.48	702.79
CRA-24B	708.22	5.98	702.24	6.64	701.58	6.75	701.47	6.32	701.90	701.47	702.78
CRA-25	711.79	9.34	702.45	10.11	701.68	10.41	701.38	10.13	701.66	701.40	703.71
CRA-32	712.25	7.48	704.77	7.60	704.65	7.76	704.49	7.44	704.81	704.47	705.17
CRA-34A	711.52	9.01	702.51	9.56	701.96	9.63	701.89	9.23	702.29	701.90	702.89
CRA-34B	711.25	8.81	702.44	9.35	701.90	9.41	701.84	8.98	702.27	701.85	702.84
CRA-44A	729.15	24.12	705.03	25.10	704.05	25.67	703.48	25.79	703.36	703.36	706.97
CRA-44B	728.17	23.13	705.04	24.17	704.00	24.72	703.45	24.83	703.34	703.34	706.93
CRA-49A	727.91	21.14	706.77	22.11	705.80	22.86	705.05	23.15	704.76	704.76	708.93
CRA-49B	728.09	21.29	706.80	22.25	705.84	23.01	705.08	23.26	704.83	704.83	708.99
MW-9	726.43	16.03	710.40	17.10	709.33	18.03	708.40	18.64	707.79	707.79	712.80
MW-10	731.90	25.95	705.95	26.78	705.12	27.30	704.60	27.42	704.48	704.48	707.68
MW-12	731.27	25.50	705.77	26.32	704.95	26.72	704.55	26.99	704.28	704.28	707.53
MW-17	731.43	21.86	709.57	22.93	708.50	23.82	707.61	24.38	707.05	707.05	712.00
MW-20	725.22	17.03	708.19	18.10	707.12	18.98	706.24	19.40	705.82	705.82	710.69
MW-22	729.88	24.84	705.04	25.79	704.09	26.31	703.57	26.39	703.49	703.49	706.88
MW-23	730.17	25.12	705.05	26.06	704.11	26.60	703.57	26.69	703.48	703.48	706.90
MW-26	732.81	26.51	706.30	27.31	705.50	27.81	705.00	27.97	704.84	704.84	707.99
MW-27	731.10	25.68	705.42	26.56	704.54	27.07	704.03	27.17	703.93	703.93	707.19
MW-28	726.70	22.17	704.53	23.21	703.49	23.79	702.91	23.89	702.81	702.81	706.67
MW-39	730.08	22.50	707.58	23.30	706.78	23.85	706.23	24.03	706.05	706.05	709.35
MW-47	733.67	21.57	712.10	22.47	711.20	23.25	710.42	23.76	709.91	709.91	714.26
P-08A	715.48	12.52	702.96	12.92	702.56	12.98	702.50	12.61	702.87	702.51	703.91
P-08B	715.45	12.50	702.95	12.89	702.56	12.96	702.49	12.60	702.85	702.52	703.92
PZ1S-01	712.67	10.65	702.02	11.25	701.42	11.44	701.23	11.16	701.51	701.25	703.81
PZ1S-02	713.34	11.80	701.54	12.53	700.81	12.77	700.57	11.88	701.46	700.59	703.88
PZ1S-03	713.32	11.97	701.35	12.71	700.61	12.98	700.34	12.57	700.75	700.37	703.55
PZ1S-04	712.78	11.59	701.19	12.36	700.42	12.58	700.20	11.80	700.98	700.21	703.61
PZ1S-05	712.46	10.37	702.09	11.14	701.32	11.42	701.04	11.07	701.39	701.07	703.76
PZ1S-06	712.31	10.47	701.84	11.22	701.09	11.46	700.85	11.05	701.26	700.89	703.29
PZ1S-07	712.98	11.08	701.90	11.73	701.25	11.91	701.07	11.45	701.53	701.11	702.70
PZ1S-08	713.01	11.06	701.95	11.81	701.20	12.08	700.93	11.69	701.32	700.98	703.54
PZ1S-09	710.33	8.32	702.01	9.07	701.26	9.25	701.08	8.86	701.47	701.08	703.09
PZ1S-10	712.95	11.05	701.90	11.78	701.17	12.05	700.90	11.64	701.31	700.93	703.54
PZ1S-11	713.12	10.46	702.66	11.64	701.48	11.88	701.24	11.58	701.54	701.29	703.80
PZ1S-12	713.08	10.96	702.12	11.63	701.45	11.84	701.24	11.56	701.52	701.28	703.71
PZ1S-13	709.11	6.70	702.41	7.26	701.85	7.41	701.70	7.13	701.98	701.70	703.61
PZ1S-14	712.45	9.19	703.26	9.68	702.77	9.88	702.57	9.61	702.84	702.57	704.27
EW1S-1	712.26	11.73	700.53	12.58	699.68	12.86	699.40	12.72	699.54	699.49	703.86
EW1S-2	712.37	12.66	699.71	13.53	698.84	14.23	698.14	13.78	698.59	697.95	703.17
EW1S-3	712.85	13.72	699.13	14.61	698.24	15.09	697.76	14.51	698.34	696.50	702.83
EW1S-4	711.87	12.29	699.58	13.09	698.78	13.39	698.48	13.59	698.28	698.82	702.55
SW-2B	707.27/700.60[4]	1.91	702.51	1.40	702.00	1.10	701.70	1.44	702.04	701.57	702.67
SW-6	702.35	1.35	703.70	1.24	703.59	1.04	703.39	1.30	703.65	703.39	705.00
SW-7	700.46	1.58	702.04	1.00	701.46	0.95	701.41	1.26	701.72	701.34	702.30
SW-8	699.81	1.89	701.70	1.59	701.40	1.45	701.26	1.62	701.43	701.09	701.81
SW-9	698.87	1.78	700.65	1.27	700.14	0.95	699.82	1.48	700.35	699.81	700.53

Notes:

(1) Current Reference Elevation.

(2) ft BTOC - feet below reference elevation (or marking on staff gauge for SW-1 -- SW-10).

(3) ft AMSL - feet above mean sea level.

(4) SW-2B was re-established in January 2002

TABLE 7
SUMMARY OF HYDRAULIC MONITORING
TWO LINE ROAD NORTH
FISHER-CALO SITE

Well ID	Reference Elevation	August 20, 2002		November 4, 2002		February 3, 2003		May 5, 2003		Historical Minimum	Historical Maximum
	(ft AMSL)[1]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft AMSL)[2]	(ft AMSL)[2]
CRA-14	740.34	26.00	714.34	26.34	714.00	25.10	715.24	27.23	713.11	713.11	717.30
CRA-16A	735.71	22.29	713.42	23.30	712.41	24.37	711.34	25.14	710.57	710.41	715.84
CRA-16B	736.00	22.57	713.43	23.59	712.41	24.65	711.35	25.42	710.58	710.42	715.84
CRA-17A	731.19	18.62	712.57	19.65	711.54	20.65	710.53	21.41	709.78	709.78	715.04
CRA-17B	731.03	18.46	712.57	19.47	711.56	20.48	710.55	21.25	709.78	709.78	715.05
CRA-18	734.84	22.42	712.42	23.24	711.60	24.28	710.56	25.07	709.77	709.64	715.06
CRA-19	736.31	22.22	714.09	23.23	713.08	24.28	712.03	25.12	711.19	710.92	716.47
CRA-33	735.94	21.86	714.08	22.84	713.10	23.85	712.09	24.59	711.35	711.35	716.61
CRA-33B	735.78	21.67	714.11	22.65	713.13	23.72	712.06	24.39	711.39	711.39	716.64
CRA-45	733.99	21.26	712.73	22.29	711.70	23.36	710.63	24.17	709.82	709.56	715.09
CRA-46	732.79	18.76	714.03	19.75	713.04	20.72	712.07	21.42	711.37	711.37	716.55
CRA-47	731.74	19.55	712.19	20.56	711.18	21.50	710.24	22.16	709.58	709.58	714.69
CRA-48	732.44	21.46	710.98	22.54	709.90	23.56	708.88	24.25	708.19	708.19	713.54
MW-3	737.07	19.60	717.47	20.57	716.50	22.73	714.34	22.57	714.50	714.50	720.31
MW-4	736.20	20.98	715.22	21.96	714.24	23.03	713.17	23.83	712.37	712.25	717.77
MW-6	736.84	21.64	715.20	22.63	714.21	23.68	713.16	24.51	712.33	712.33	717.75
MW-7	726.69	16.25	710.44	17.33	709.36	18.27	708.42	18.85	707.84	707.84	712.84
MW-9	726.43	16.03	710.40	17.10	709.33	18.03	708.40	18.64	707.79	707.79	712.80
MW-24	732.35	21.63	710.72	22.71	709.64	23.64	708.71	24.25	708.10	708.10	713.11
MW-25	729.81	19.62	710.19	20.71	709.10	21.62	708.19	22.24	707.57	707.57	712.60
MW-48	727.97	15.36	712.61	16.35	711.62	17.34	710.63	18.11	709.86	709.86	715.06
MW-50	727.53	15.10	712.43	16.11	711.42	17.11	710.42	17.80	709.73	709.82	714.90
MW-61	730.18	18.32	711.86	18.78	711.40	19.83	710.35	20.63	709.55	708.85	714.59
PZ2N-01	732.54	21.57	710.97	22.62	709.92	23.53	709.01	24.14	708.40	708.40	713.32
PZ2N-02	726.27	16.09	710.18	17.19	709.08	18.12	708.15	18.75	707.52	707.52	713.13
PZ2N-03	723.43	13.27	710.16	14.41	709.02	15.38	708.05	16.01	707.42	707.42	713.22
PZ2N-04	727.28	17.53	709.75	18.58	708.70	19.60	707.68	20.26	707.02	707.02	713.54
PZ2N-05	733.03	22.69	710.34	23.72	709.31	24.58	708.45	25.13	707.90	707.90	712.64
PZ2N-06	726.37	15.88	710.49	16.96	709.41	17.97	708.40	18.61	707.76	707.76	713.47
PZ2N-07A	724.26	13.52	710.74	14.61	709.65	15.63	708.63	16.24	708.02	708.02	713.38
PZ2N-07B	724.31	13.60	710.71	14.69	709.62	15.58	708.73	16.31	708.00	708.00	713.38
PZ2N-08	723.46	13.26	710.20	14.38	709.08	15.35	708.11	15.99	707.47	707.47	713.22
PZ2N-09	726.38	15.94	710.44	17.03	709.35	17.97	708.41	18.60	707.78	707.78	713.14
PZ2N-10	736.59	22.71	713.88	23.45	713.14	24.55	712.04	25.41	711.18	711.18	716.32
PZ2N-11	736.58	21.48	715.10	22.36	714.22	23.44	713.14	24.30	712.28	712.00	717.67
PZ2N-12A	727.16	16.59	710.57	17.66	709.50	18.59	708.57	19.20	707.96	707.96	713.08
PZ2N-12B	727.16	16.60	710.56	17.68	709.48	18.60	708.56	19.19	707.97	707.97	713.09
PZ2N-13A	730.56	19.65	710.91	20.71	709.85	21.65	708.91	22.29	708.27	708.27	713.32
PZ2N-13B	730.56	19.65	710.91	20.72	709.84	21.66	708.90	22.29	708.27	708.27	713.34
PZ2N-14	735.60	19.35	716.25	20.33	715.27	21.28	714.32	21.98	713.62	713.62	718.89
PZ2N-15A	731.36	19.95	711.41	21.01	710.35	22.05	709.31	22.75	708.61	708.61	713.97
PZ2N-15B	731.25	19.84	711.41	20.89	710.36	19.97	711.28	22.66	708.59	708.59	713.96
EW2N-1	731.08	20.11	710.97	NM	NM	22.15	708.93	22.73	708.35	708.35	712.23
EW2N-2	726.04	16.72	709.32	17.43	708.61	18.84	707.20	19.47	706.57	706.57	711.70
EW2N-3	722.34	14.20	708.14	15.51	706.83	16.52	705.82	17.22	705.12	705.12	711.79
EW2N-4	727.12	19.68	707.44	20.74	706.38	21.85	705.27	22.59	704.53	704.53	712.07

Notes:

(1) Current Reference Elevation.

(2) ft BTOC - feet below reference elevation (or marking on staff gauge for SW-1 — SW-10).

(3) ft AMSL - feet above mean sea level.

TABLE 8
SUMMARY OF HYDRAULIC MONITORING
SPACE LEASING
FISHER-CALO SITE

Well ID	Reference Elevation	August 21, 2002		November 6, 2002		February 3, 2003		May 5, 2003		Historical Minimum	Historical Maximum
	(ft AMSL)[1]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft BTOC)[2]	(ft AMSL)[3]	(ft AMSL)[2]	(ft AMSL)[2]
CRA-35A	732.02	12.89	719.13	14.16	717.86	15.54	716.48	16.02	716.00	716.00	723.05
CRA-35B	732.16	12.99	719.17	14.24	717.92	15.66	716.50	16.06	716.10	716.10	723.09
CRA-36A	736.99	17.67	719.32	18.92	718.07	20.33	716.66	20.80	716.19	716.19	723.22
CRA-36B	737.71	18.38	719.33	19.64	718.07	21.06	716.65	21.60	716.11	716.11	723.24
CRA-38	730.75	11.51	719.24	11.51	719.24	14.14	716.61	15.56	715.19	715.19	723.15
CRA-39	729.31	10.45	718.86	11.87	717.44	13.24	716.07	13.71	715.60	715.60	722.67
CRA-39B	729.54	10.72	718.82	12.11	717.43	13.49	716.05	13.93	715.61	715.61	722.65
CRA-40	737.96	18.65	719.31	19.89	718.07	21.33	716.63	21.79	716.17	716.17	723.19
CRA-50	729.40	11.63	717.77	12.85	716.55	14.15	715.25	14.58	714.82	714.82	721.87
CRA-51	728.02	10.99	717.03	12.22	715.80	13.54	714.48	13.95	714.07	714.07	721.15
CRA-52	729.73	13.01	716.72	14.24	715.49	15.66	714.07	16.06	713.67	713.67	721.15
CRA-53	729.26	11.71	717.55	12.85	716.41	14.20	715.06	14.67	714.59	714.59	721.82
CRA-54	729.87	13.98	715.89	15.24	714.63	16.37	713.50	16.78	713.09	713.09	720.08
CRA-55	729.29	13.08	716.21	14.35	714.94	15.54	713.75	15.97	713.32	713.32	720.41
CRA-56	728.84	12.51	716.33	13.72	715.12	14.83	714.01	15.18	713.66	713.66	720.46
CRA-57	724.46	9.54	714.92	10.46	714.00	11.80	712.66	12.11	712.35	712.35	718.94
CRA-61	722.62	6.88	715.74	8.03	714.59	9.14	713.48	9.48	713.14	713.14	718.73
MW-67	738.31	18.54	719.77	19.78	718.53	21.24	717.07	21.71	716.60	716.60	723.56
MW-69	729.62	10.15	719.47	11.40	718.22	12.96	716.66	13.40	716.22	716.22	723.35
MW-70	734.31	15.26	719.05	16.53	717.78	17.93	716.38	18.41	715.90	715.90	722.97
PZSL-01	725.77	9.12	716.65	10.37	715.40	11.72	714.05	12.11	713.66	713.66	720.67
PZSL-02	729.42	12.83	716.59	14.07	715.35	15.52	713.90	15.21	714.21	713.51	721.07
PZSL-03	724.39	9.48	714.91	10.65	713.74	11.76	712.63	12.11	712.28	712.28	718.91
PZSL-04	728.23	13.37	714.86	14.55	713.68	15.55	712.68	16.03	712.20	712.20	719.17
PZSL-05A	723.81	8.62	715.19	9.76	714.05	10.85	712.96	11.17	712.64	712.64	719.19
PZSL-05B	723.81	8.60	715.21	9.78	714.05	10.84	712.97	11.17	712.64	712.64	719.19
PZSL-06	729.90	14.85	715.05	14.85	715.05	17.16	712.74	17.56	712.34	712.34	719.15
PZSL-07	733.54	16.52	717.02	17.77	715.77	19.08	714.46	19.54	714.00	714.00	721.25
PZSL-08A	727.01	10.22	716.79	11.52	715.49	12.88	714.13	13.27	713.74	713.74	720.94
PZSL-08B	727.05	10.32	716.73	11.50	715.55	12.91	714.14	13.32	713.73	713.73	720.93
EWSL-1	725.11	9.22	715.89	10.51	714.60	11.99	713.12	12.45	712.66	712.66	718.44
EWSL-2	728.28	12.45	715.83	13.78	714.50	15.41	712.87	14.90	713.38	711.58	718.89
EWSL-3	723.82	9.44	714.38	10.58	713.24	11.74	712.08	12.22	711.60	711.60	716.53
EWSL-4	727.87	13.57	714.30	14.81	713.06	15.97	711.90	16.44	711.43	711.43	716.54

Notes:

(1) Current Reference Elevation.

(2) ft BTOC - feet below reference elevation (or marking on staff gauge for SW-1 — SW-10).

(3) ft AMSL - feet above mean sea level.

TABLE 9

SUMMARY OF TARGET FLOW RATE ADJUSTMENTS
FISHER-CALO SITE
KINGSBURY, INDIANA

	Target Flow Rates (gpm)						Current Target[3]
Well Id.	*@ Start-up*	*April 8, 1998*	*May 18, 1998*	*November 16, 1998*	*January 22, 2000*	*September, 2000*	*November, 2000*
EW1N-01	46.7	60.0	70.0	70.0	70.0	70.0	70.0
EW1N-02	46.7	60.0	70.0	70.0	70.0	70.0	70.0
EW1N-03	46.7	40.0	Off	Off	Off	Off	Off
EW1N-04 [1]	N/A	N/A	N/A	N/A	75.0	75.0	75.0
WFCB#1 FLOW	140.0	140.0	140.0	140.0	215.0	215.0	215.0
EW1S-01	60.0	65.0	80.0	80.0	80.0	80.0	80.0
EW1S-02	60.0	65.0	80.0	80.0	80.0	80.0	80.0
EW1S-03	60.0	70.0	80.0	80.0	80.0	80.0	80.0
EW1S-04	60.0	60.0	70.0	70.0	70.0	70.0	70.0
WFCB#2 FLOW	240.0	260.0	310.0	310.0	310.0	310.0	310.0
EW2N-01	52.5	Off	Off	Off	Off	Off	Off
EW2N-02	52.5	52.5	52.5	57.5	57.5	57.5	57.5
EW2N-03	52.5	52.5	52.5	57.5	57.5	57.5	57.5
EW2N-04 [2]	52.5	45.0	45.0	57.5	57.5	62.5	75.0
WFCB#3 FLOW	210.0	150.0	150.0	172.5	172.5	177.5	190.0
EWSL-01	27.5	35.0	35.0	35.0	35.0	35.0	35.0
EWSL-02	27.5	32.5	32.5	32.5	32.5	32.5	32.5
EWSL-03	20.0	18.0	18.0	25.0	25.0	25.0	25.0
EWSL-04	20.0	18.0	18.0	25.0	25.0	25.0	25.0
WFCB#4 FLOW	95.0	103.5	103.5	117.5	117.5	117.5	117.5
TOTAL FLOW	685.0	673.5	703.5	740.0	815.0	820	832.5

Notes:

1) EW1N-04 was started up on January 12, 2000.
2) EW2N-04 pumping rate was adjusted in September 2000 to the flow rates indicated. Due to the iron precipitation issues experienced, this flow may decrease between maintenance events.
3) The target flow rates have remained the same since November 2000.

Table 10
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*CRA-14*	*CRA-14*	*CRA-27A*	*CRA-27A*	*CRA-27A*	*CRA-27A (Dup.)*	*CRA-27B*	*CRA-27B*	*CRA-28*
Sample ID:				*GW-110602-AMDE-299*	NOT SAMPLED DUE TO LOW WATER LEVEL	*PLUME WELL*	*PLUME WELL*	*GW-050603-AMDE-344*	*GW-050603-AMDE-345*	*GW-110502-AMDE-305*	*GW-050603-AMDE-346*	*GW-110502-AMDE-308*
Sample Date:				*11/6/2002*		*5/20/1998*	*6/8/2000*	*5/6/2003*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*
Area:												
Parameter	Unit	Action Level										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	-	na	na	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	-	2	2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	-	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	-	ND	ND	ND (5.0)U*	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	-	2	2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	ND (1.0)	-	14	14	0.61J	2.6	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND (1.0)	-	**35**	**110**	2.2	4.7	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone	ug/L	21000	DWEL	ND (5.0)	-	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND (1.0)	-	67	40	12	12	ND (1.0)	ND (1.0)	49 J
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)UM	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	-	2	**9**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND (1.0)	-	**190**	**190**	**35**	**47**	ND (1.0)	ND (1.0)	**670**
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	-	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	0.69J	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	-	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	-	na	na	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Notes:

H	Alternate peak selection upon analytical review
J	Result is an estimated value below the reporting limit.
a	Concentration is below the method reporting limit
M	Manually integrated compound
U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
U	Analyte was not detected at or above the stated limit.

Table 10
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*CRA-28*	*CRA-29A*	*CRA-29A*	*CRA-29A*	*CRA-29A (Dup)*	*CRA-30A*	*CRA-30A*	*CRA-30A*	*CRA-31A*
Sample ID:				*GW-050603-AMDE-350*	*PLUME WELL*	*PLUME WELL*	*GW-050603-AMDE-359*	*GW-050603-AMDE-360*	*PLUME WELL*	*PLUME WELL*	*GW-050603-AMDE-351*	*GW-110502-AMDE-303*
Sample Date:				*5/6/2003*	*5/20/1998*	*6/8/2000*	*5/6/2003*	*5/6/2003*	*5/20/1998*	*6/8/2000*	*5/6/2003*	*11/5/2002*
Area:												
Parameter	Unit	Action Level										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND(10)	ND	ND	ND (1.0)	ND (1 0)	ND	ND	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1 0)
1,1-Dichloroethene	ug/L	7	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND(50)	ND	ND	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)U*	ND	ND	ND (5.0)U*	ND (5.0)U*	ND	ND	ND (5.0)U*	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
2-Butanone	ug/L	21000	DWEL	ND(50)	ND	ND	ND (5.0)U*	ND (5.0)U*	ND	ND	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND(10)	ND	37	21	20	ND	ND	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	42	3	3	2.0	1.9	4	5	3.1	ND (1.0)
Carbon tetrachloride	ug/L	5	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	**680**	**4**	**14**	**29**	**29**	**4**	**13**	**7.1**	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND(10)	ND	ND	ND (1.0)	1.0	ND	ND	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1.0)	ND (1 0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND(50)	ND	ND	ND (5 0)	ND (5.0)	ND	ND	ND (5.0)	ND (5 0)
Toluene	ug/L	1000	PMCL	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND(10)	ND	ND	ND (1 0)	ND (1 0)	ND	ND	ND (1 0)	ND (1 0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1 0)	ND	ND	ND (1.0)	ND (1 0)
Tetrachloroethene	ug/L	5	PMCL	*ND(10)*	*3*	***8***	***12***	***11***	*ND*	ND	*ND (1 0)*	*ND (1.0)*
Dibromochloromethane	ug/L	100	PMCL-1	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1 0)
Bromoform	ug/L	100	PMCL-1	ND(10)	ND	ND	ND (1 0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND(10)	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	0 05	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)

Table 10
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*CRA-31A*	*CRA-41*	*CRA-41*	*CRA-41*	*CRA-42*	*CRA-42*	*CRA-58*	*CRA-58*	*CRA-59*
Sample ID:				*GW-050603-AMDE-353*	*PLUME WELL*	*PLUME WELL*	*GW-050603-AMDE-347*	*GW-110502-AMDE-304*	*GW-050603-AMDE-355*	*GW-110502-AMDE-301*	*GW-050603-AMDE-352*	*GW-110502-AMDE-309*
Sample Date:				*5/6/2003*	*5/20/1998*	*6/8/2000*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*
Area:												
Parameter	Unit	Action Level										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND	ND	ND (1.0)	(ND (1.0)	ND(10)	ND (1 0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)	ND(10)	ND (1.0)	ND (1 0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)	ND(10)	ND (1.0)	ND (1 0)	ND (1 0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1 0)	1	1	ND (1.0)	**11**	5.3 J	ND (1 0)	ND (1 0)	ND (1 0)
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)U*	ND	ND	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1 0)	ND	ND	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1 0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1 0)	ND	ND	ND (1.0)	7.7	3.8 Ja	ND (1 0)	ND (1 0)	ND (1 0)
1,1-Dichloroethane	ug/L	3500	DWEL	ND (1.0)	3	ND	ND (1.0)	30	14	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND (1.0)	ND	ND	ND (1.0)	**430**	**200**	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND	0.8	1.6	1.7	ND(10)	ND (1.0)	ND (1.0)	ND (1 0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND (1 0)	15	26	7 0	**390**	180M	ND (1.0)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND(10)UM	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	0.57 J	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	**18**	**8.3J**	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND (1.0)	**18**	**23**	**31**	**1400**	**910**	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1 0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1 0)	ND	ND	ND (1 0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5 0)	ND	ND	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1 0)	ND	ND	ND (1.0)	ND (1 0)	ND(10)	ND (1 0)	ND (1.0)	ND (1 0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	0.79 J	ND(10)	ND (1.0)	ND (1.0)	ND (1 0)
Tetrachloroethene	ug/L	5	PMCL	0 30 Ja	ND	ND	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1 0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1 0)	ND	ND	ND (1 0)	ND (1 0)	ND(10)	ND (1.0)	ND (1 0)	ND (1 0)
Chlorobenzene	ug/L	100	PMCL	ND (1 0)	ND	ND	ND (1 0)	ND (1 0)	ND(10)	ND (1 0)	ND (1 0)	ND (1 0)
Ethylbenzene	ug/L	700	PMCL	ND (1 0)	ND	ND	ND (1 0)	ND (1 0)	ND(10)	ND (1 0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1 0)	ND	ND	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1 0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND	ND	ND (1 0)	ND (1 0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1 7	IWQS	ND (1 0)	ND	ND	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (10)	ND (1.0)	ND (1.0)	ND (1.0)

Notes

SOW - Scope of Work for Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana.
PMCL - Primary Maximum Contaminant Level (40 CFR 141).
SMCL - Secondary Maximum Contaminant Level (40 CFR 143).
IWQS - State of Indiana Water Quality Standard (Title 327-IAC).
DWEL - Health-based Drinking Water Equivalent Level, calculated using the equation DWEL (ug/L) = [RFD (mg/kg-day) * 70kg] * 100 ÷ 2L/day
This standard is calculated for a 70 kg individual who consumes 2L of water per day and it is based on the reference dose
which is a benchmark daily intake for chemical X not like associated with adverse health effects
TQL - Target Quantitation Limit. The target quantitation limit for this parameter, which is achievable by the analytical laboratory, will be used
as the tentative action level Table 2.2 of the OM &M Plan QAPP presents a list of the target quantitation limits for these parameters.
PMCL - 1 - Action Level for this parameter represents the sum of trihalomethane detections including:bromochloromethane, bromoform, chloroform, and dibromochloromethane.
IWQS - 2 - Action Level for this parameter represents the sum of the dichlofopropene detections including:1,2 - dichloropropene and 1,3 - dichloropropene (cis - and trans - isomers).
DWEL - 3 - Reference Dose (RFD) value for anthracene was used as a standard value for polycyclic aromatic hydrocarbons (PAHs) with no available RFDs.
(Reference: USEPA Integrated Risk System Database [IRIS], January 1996.)
BOLD - Constituents that exceed action levels

Table 10
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*CRA-59*	*CRA-60*	*CRA-60*	*CRA-64*	*CRA-64*	*MW-36*	*MW-36 (Dup.)*	*MW-36*	*EW1N-1*
Sample ID:				*GW-050603-AMDE-361*	*GW-110502-AMDE-302*	*GW-050603-AMDE-354*	*GW-110502-AMDE-300*	*GW-050603-AMDE-348*	*GW-110502-AMDE-306*	*GW-110502-AMDE-307*	*GW-050603-AMDE-349*	*GW-110502-AMDE-310*
Sample Date:				*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*	*11/5/2002*	*5/6/2003*	*11/5/2002*
Area:												
Parameter	Unit	Action Level										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.41 Ja	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.79 J	0.82 J	0.68J	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5.9	6.0	8.1	0.90 J
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	55	58	47	0.56 J
2-Butanone	ug/L	21000	DWEL	ND (5.0)U*	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	51	56	38	14
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)UM	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.1	1.1	1.5	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**100**	**97**	**80**	**39**
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.57 J	0.54 J	ND(1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**9.5**	**8.3**	**7.4**	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table 10
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*EW1N-1*	*EW1N-2*	*EW1N-2*	*EW1N-4*	*EW1N-4*
Sample ID:				*GW-050603-AMDE-357*	*GW-110502-AMDE-311*	*GW-050603-AMDE-356*	*GW-110502-AMDE-312*	*GW-050603-AMDE-358*
Sample Date:				*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*	*5/6/2003*
Area:								
Parameter	Unit	Action Level						
Volatiles								
Chloromethane	ug/L	100	DWEL	ND (1 0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1 0)
Vinyl chloride	ug/L	2	SOW	ND (1 0)	ND (1 0)	ND (1.0)	ND (1.0)	ND (1 0)
Bromomethane	ug/L	40	DWEL	ND (1 0)	ND (1 0)	ND (1.0)	ND (1.0)	ND (1 0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	0 72 J	0.69J	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5 0)U*	ND (5.0)	ND (5.0)U*	ND (5 0)	ND (5.0)U*
Methylene chloride	ug/L	5	SOW	ND (1 0)	ND (1.0)	ND (1.0)	ND (1 0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	0.59 J	0.63J	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	0.86J	2.5	2.2	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	0.46Ja	29	26	2.2	1.8
2-Butanone	ug/L	21000	DWEL	ND (5.0)U*	ND (5 0)	ND (5.0)	ND (5.0)	ND (5.0)U*
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	11	21	19	3.2	2.1
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1 0)	ND (1.0)UM	ND (1 0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1 0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	2 0	1 6	ND (1 0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	**35**	**64**	**60**	ND (1 0)	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1 0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1 0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1 0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	0.33 Ja	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1 0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1 7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1 0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

TABLE 11
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:				*CRA-20A*	*CRA-20A*	*CRA-20B*	*CRA-20B*	*CRA-20B*	*CRA-21A*	*CRA-21A*	*CRA-21A*	*CRA-22A*	*CRA-22A*
Sample ID:				*GW-110502-RKTA-297*	*GW-050603-TA-370*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TA-371*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TADK-376*	*GW-110502-RKTA-296*	*GW-050603-TA-3*
Sample Date:				*11/5/2002*	*5/6/2003*	*5/26/1998*	*6/9/2000*	*5/6/2003*	*5/22/1998*	*6/9/2000*	*5/6/2003*	*11/5/2002*	*5/6/2003*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	**42**	**5.9**	**36**	**37**	**15**	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	2.3	ND(1.0)	ND	ND	ND(1.0)	**9**	**11**	0.95J	1.8	1.2
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND	ND(5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND	ND(5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND(1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	50	1.5	8	25	3.6	2	ND	ND(1.0)	1.1	0.83J
1,1-Dichloroethane	ug/L	3500	DWEL	510	15	290	34	130	15	5	1.8	47	35 H
cis-1,2-Dichloroethene	ug/L	70	PMCL	**880**	25	**100**	**120**	34	64	ND	2.4	8.9	6.6 H
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	2.4	1.6 H
1,1,1-Trichloroethane	ug/L	200	SOW	110	4.3	ND	ND	ND(1.0)	**420**	**280**	130	110	71
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	2.9	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	**17**	0.81J	ND	ND	ND(1.0)	**460**	**460**	**200**	**120**	**87**
1,2-Dichloropropane	ug/L	5	PMCL	1.4	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	0.60 J	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	1.1	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	4.5	3.9
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	25	0.77J	ND	ND	ND(1.0)	1	ND	ND(1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)

Notes:

H	Alternate peak selection upon analytical review
J	Result is an estimated value below the reporting limit.
a	Concentration is below the method reporting limit
M	Manually integrated compound
U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
U	Analyte was not detected at or above the stated limit.

TABLE 11
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:				*CRA-22A(Dup)*	*CRA-22B*	*CRA-22B*	*CRA-22B*	*CRA-23*	*CRA-23*	*CRA-24A*	*CRA-24A*	*CRA-24A(Dup)*	*CRA-24B*
Sample ID:				*GW-050603-TA-374*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TA-375*	*GW-110502-RKTA-298*	*GW-050603-TADK-377*	*GW-110502-RKTA-293*	*GW-050603-TADK-380*	*GW-050603-TADK-381*	*GW-110502-RKTA 294*
Sample Date:				*5/6/2003*	*5/22/1998*	*6/9/2000*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*5/6/2003*	*11/5/2002*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	1.2	ND	ND	ND(1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND	ND	0.58J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	0.8J	ND	ND	ND(1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	36 H	16	8	5.5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	6.6 H	ND	ND	ND(1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone	ug/L	21000	DWEL	5	ND	ND	ND(5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	1.7H	ND	ND	0.84J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	71	20	15	13	ND (1.0)	ND (1.0)	7.2	4	4	ND (1.0)
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	85	10	6	6.3	ND (1.0)	ND (1.0)	3.3	3.8	3.9	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND	ND	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	4.1	ND	ND	ND(1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND	ND	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

TABLE 11
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:				*CRA-24B*	*CRA-25*	*CRA-25*	*CRA-34A*	*CRA-34A*	*CRA-34B*	*CRA-34B*	*CRA-49A*	*CRA-49A*	*CRA-49A*
Sample ID:				*GW-0500703-TADK-382*	*GW-110502-RKTA-295*	*GW-050703-TADK-383*	*GW-110502-RKTA-291*	*GW-050603-TADK-378*	*GW-110502-RKTA-292*	*GW-050603-TADK-379*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TA-3*
Sample Date:				*5/7/2003*	*11/5/2002*	*5/7/2003*	*11/5/2002*	*5/6/2003*	*11/5/2002*	*5/6/2003*	*5/21/1998*	*6/9/2000*	*5/6/2003*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1	ND	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	16	5	2.8
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	0.9	0.79J
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	0.6J
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)

TABLE 11
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:				*MW-10*	*MW-10*	*MW-10*	*MW-12*	*MW-12*	*MW-12*	*MW-22*	*MW-22*	*MW-22*	*MW-22*
Sample ID:				*PLUME WELL*	*PLUME WELL*	*GW-050603-TADK-387*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TADK-388*	*PLUME WELL*	*PLUME WELL*	*Duplicate*	*GW-050603-TAD 384*
Sample Date:				*5/26/1998*	*6/9/2000*	*5/7/2003*	*5/26/1998*	*6/12/2000*	*5/7/2003*	*5/26/1998*	*6/12/2000*	*6/12/2000*	*5/7/2003*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Vinyl chloride	ug/L	2	SOW	83	18	19	ND	240	540	ND	ND	ND	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND	ND	ND (1.0)	4	60	ND (100)	ND	ND	ND	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND	ND	ND (5.0)	ND	ND	ND (500)	ND	ND	ND	ND (5.0)
Acetone	ug/L	3500	DWEL	ND	ND	ND (5.0)	ND	ND	ND (500)	ND	ND	ND	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	2	2	6.1	3	15	120	ND	ND	ND	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	43	140	140	33	5600	1400	13	17	19	4.4
cis-1,2-Dichloroethene	ug/L	70	PMCL	64	92	29	60	1600	8100	0.6	ND	ND	ND (1.0)
2-Butanone	ug/L	21000	DWEL	ND	ND	ND (5.0)	ND	ND	ND (500)	ND	ND	ND	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	1	ND (100)	ND	ND	ND	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND	ND	ND (1.0)	190	1000	770	ND	ND	ND	ND (1.0)
Carbon tetrachloride	ug/L	5	PMCL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Benzene	ug/L	5	PMCL	ND	0.9	1.1	2	3	ND (100)	ND	ND	ND	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND	ND	ND (1.0)	ND	8	ND (100)	ND	ND	ND	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND	ND	ND (1.0)	24	140	55J	ND	ND	ND	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND	ND	ND (1.0)	ND	4	ND (100)	ND	ND	ND	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND	ND	ND (5.0)	ND	ND	ND (500)	ND	ND	ND	ND (5.0)
Toluene	ug/L	1000	PMCL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND	ND	ND (1.0)	0.6	0.7	ND (100)	ND	ND	ND	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND	ND	ND (1.0)	73	270	48Ja	ND	ND	ND	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Styrene	ug/L	100	PMCL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND	ND	ND (1.0)	ND	ND	ND (100)	ND	ND	ND	ND (1.0)

TABLE 11
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:				*MW-23*	*MW-23*	*MW-23*	*MW-26*	*MW-26*	*MW-26*	*MW-26*	*MW-27*	*MW-27*	*MW-27*
Sample ID:				*PLUME WELL*	*PLUME WELL*	*GW-050603-TADK-385*	*PLUME WELL*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TADK-389*	*PLUME WELL*	*PLUME WELL*	*GW-050603-TAD 386*
Sample Date:				*5/26/1998*	*6/12/2000*	*5/7/2003*	*5/26/1998*	*5/26/1998*	*6/12/2000*	*5/7/2003*	*5/26/1998*	*6/12/2000*	*5/7/2003*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Vinyl chloride	ug/L	2	SOW	**40**	**40**	**36**	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Bromomethane	ug/L	40	DWEL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
1,1-Dichloroethene	ug/L	7	PMCL	0.8	0.8	ND (1.0)	ND	ND	0.6	ND (1.0)	**14**	**21**	**12**
Carbon disulfide	ug/L	3500	DWEL	ND	ND	ND (5.0)	ND	ND	ND	ND (5.0)	ND	ND	ND(50)
Acetone	ug/L	3500	DWEL	ND	ND	ND (5.0)	ND	ND	ND	ND (5.0)	ND	ND	ND(50)
Methylene chloride	ug/L	5	SOW	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
trans-1,2-Dichloroethene	ug/L	100	PMCL	6	9	8.7	ND	ND	ND	ND (1.0)	0.6	0.6	ND(10)
1,1-Dichloroethane	ug/L	3500	DWEL	120	270	180	34	33	29	18	41	9	17
cis-1,2-Dichloroethene	ug/L	70	PMCL	**120**	**250**	**80**	2	2	2	0.64J	16	12	28
2-Butanone	ug/L	21000	DWEL	ND	ND	ND (5.0)U*	ND	ND	ND	ND (5.0)	ND	ND	ND(50)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	4	4	ND(10)
1,1,1-Trichloroethane	ug/L	200	SOW	2	ND	0.88J	3	3	6	20M	**630**	**380**	**580**
Carbon tetrachloride	ug/L	5	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Benzene	ug/L	5	PMCL	0.6	1	1.3H	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
1,2-Dichloroethane	ug/L	5	PMCL	4	**15**	**12**	**20**	**19**	**16**	**5.8**	ND	ND	ND(10)
Trichloroethene	ug/L	5	SOW	4	4	**5**	ND	ND	ND	ND (1.0)	**160**	**140**	**150**
1,2-Dichloropropane	ug/L	5	PMCL	0.8	2	1.4	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Bromodichloromethane	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND	ND	ND (5.0)	ND	ND	ND	ND (5.0)	ND	ND	ND(50)
Toluene	ug/L	1000	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	1	ND	ND(10)
Tetrachloroethene	ug/L	5	PMCL	2	1	1.7	ND	ND	ND	ND (1.0)	**56**	**30**	**11**
Dibromochloromethane	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Chlorobenzene	ug/L	100	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Ethylbenzene	ug/L	700	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Styrene	ug/L	100	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Bromoform	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)
Xylene (total)	ug/L	10000	PMCL	ND	ND	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND	ND(10)

TABLE 11
GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:				*EW1S-1*	*EW1S-1 Dup.*	*EW1S-1*	*EW1S-2*	*EW1S-2*	*EW1S-3*	*EW1S-3*	*EW1S-4*	*EW1S-4*
Sample ID:				*GW-110502-RKTA-330*	*GW-110502-RKTA-331*	*GW-050703-TADK-390*	*GW-110502-RKTA-332*	*GW-050703-TADK-391*	*GW-110502-RKTA-333*	*GW-050703-TADK-392*	*GW-110502-RKTA-334*	*GW-050703-TADK-393*
Sample Date:				*11/6/2002*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*5/7/2003*
Area:												
Parameter	*Unit*	*Action Level*										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	**10**	**10**	**8.6**	**69**	**93**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	2.4	ND(10)	3.2	3.4	ND (1.0)	1.4
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	7.8	8.1	6.4	22	26	ND (1.0)	ND (1.0)	ND (1.0)	0.41 Ja
1,1-Dichloroethane	ug/L	3500	DWEL	120	120	95	390	400	14	16	15	17
cis-1,2-Dichloroethene	ug/L	70	PMCL	59	60	46	**360**	**360**	3.8	4	5.8	5.9
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	0.61 J	ND(10)	7.0	6.5	0.87 J	1.1
1,1,1-Trichloroethane	ug/L	200	SOW	13	13	11	76	74	100	110	21	25M
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	1.0 J	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	**6.5**	**6.9**	**5.3**	1.3	ND(10)	ND (1.0)	ND (1.0)	0.60 J	0.67 J
Trichloroethene	ug/L	5	SOW	1.8	1.9	1.6	**78**	**81**	**140**	**140**	**5.5**	**6.7**
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	4.3	**5.4J**	**12**	**10**	**22**	**20**
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	0.58 J	0.68 J	0.54 J	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Notes:

SOW - *Scope of Work for Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana.*
PMCL - Primary Maximum Contaminant Level (40 CFR 141).
SMCL - Secondary Maximum Contaminant Level (40 CFR 143).
IWQS - State of Indiana Water Quality Standard (Title 327-IAC).
DWEL - Health-based Drinking Water Equivalent Level, calculated using the equation: DWEL (ug/L) = [RFD (mg/kg-day) * 70kg] * 100 ÷ 2L/day
This standard is calculated for a 70 kg individual who consumes 2L of water per day and it is based on the reference dose
which is a benchmark daily intake for chemical X not like associated with adverse health effects.
TQL - Target Quantitation Limit. The target quantitation limit for this parameter, which is achievable by the analytical laboratory, will be used
as the tentative action level. Table 2.2 of the OM &M Plan QAPP presents a list of the target quantitation limits for these parameters.
PMCL - 1 - Action Level for this parameter represents the sum of trihalomethane detections including:bromochloromethane, bromoform, chloroform, and dibromochloromethane.
IWQS - 2 - Action Level for this parameter represents the sum of the dichlofopropene detections including:1,2 - dichloropropene and 1,3 - dichloropropene (cis - and trans - isomers).
DWEL - 3 - Reference Dose (RFD) value for anthracene was used as a standard value for polycyclic aromatic hydrocarbons (PAHs) with no available RFDs.
(Reference: USEPA Integrated Risk System Database [IRIS], January 1996.)
BOLD - Constituents that exceed action levels

Table 12
GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*CRA-16A*	*CRA-16A*	*CRA-16A(Dup)*	*CRA-16B*	*CRA-16B*	*CRA-17A*	*CRA-17A*	*CRA-17A*	*CRA-18*	*CRA-18*
Sample ID:				*GW-110602-AMDE-314*	*GW-050703-AMDE-367*	*GW-050703-AMDE-368*	*GW-110602-AMDE-315*	*GW-050703-AMDE-369*	*PLUME WELL*	*PLUME WELL*	*GW-050703-AMDE-395*	*PLUME WELL*	*PLUME WELL*
Sample Date:				*11/6/2002*	*5/7/2003*	*5/7/2003*	*11/6/2002*	*5/7/2003*	*5/29/1998*	*6/16/2000*	*5/7/2003*	*5/28/1998*	*6/16/2000*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
1,1-Dichloroethene	ug/L	7	PMCL	6.3	4.9	4.7	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	1
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
trans-1,2-Dichloroethene	ug/L	100	PMCL	0.58 J	0.57J	0.59J	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
1,1-Dichloroethane	ug/L	3500	DWEL	5.1	3.5	3.4	ND (1.0)	ND (1.0)	1	ND	2.1 H	ND	2
cis-1,2-Dichloroethene	ug/L	70	PMCL	17	13	13	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0) U*	ND (5.0) U*	ND (5.0) U*	ND (5.0) U*	ND	ND	ND (5.0) U*	ND	ND
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	0.34Ja	ND	1
1,1,1-Trichloroethane	ug/L	200	SOW	29	23	21	ND (1.0)	ND (1.0)	66	ND	46	14	63
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Benzene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Trichloroethene	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.7	ND	**40**	ND	**11**
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND (5.0)	ND	ND
Toluene	ug/L	1000	PMCL	0.73 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Tetrachloroethene	ug/L	5	PMCL	**52**	**31**	**28**	ND (1.0)	ND (1.0)	ND	**18**	ND (1.0)	**16**	ND
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (1.0)	ND	ND

Notes:

H	*Alternate peak selection upon analytical review*
J	Result is an estimated value below the reporting limit.
a	Concentration is below the method reporting limit
M	Manually integrated compound
U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
U	Analyte was not detected at or above the stated limit.

Table 12
GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*CRA-18*	*CRA-33*	*CRA-33*	*CRA-48*	*CRA-48*	*CRA-48*	*MW-3*	*MW-3*	*MW-6*	*MW-6*
Sample ID:				*GW-050703-AMDE-394*	*GW-110602-AMDE-313*	*GW-050703-AMDE-396*	*GW-110602-AMDE-323*	*GW-110602-AMDE-324*	*GW-050703-AMDE-400*	*GW-110602-AMDE-322*	*GW-050803-AMDE-417*	*PLUME WELL*	*PLUME WELL*
Sample Date:				*5/7/2003*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*5/8/2003*	*5/29/1998*	*6/16/2000*
Area:								*Duplicate*					
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Vinyl chloride	ug/L	2	SOW	ND (1.0)	**6.3**	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	3	0.6
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	14	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	19	ND
1,1-Dichloroethane	ug/L	3500	DWEL	ND (1.0)	49	53	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1000	1
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND (1.0)	28	10	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**740**	0.8
2-Butanone	ug/L	21000	DWEL	ND (5.0) U*	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)	ND	ND
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
1,1,1-Trichloroethane	ug/L	200	SOW	1.8	ND (1.0)	ND(1.0)	22	23	19M	ND (1.0)	ND (1.0)	50	22
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Benzene	ug/L	5	PMCL	ND (1.0)	**17**	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	**56**	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**9**	ND
Trichloroethene	ug/L	5	SOW	ND (1.0)	2.3	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**33**	**60**
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	1.7	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND(50)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND
Toluene	ug/L	1000	PMCL	ND (1.0)	420	250	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	70	ND
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2	ND
Tetrachloroethene	ug/L	5	PMCL	**13**	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	0.72J	ND (1.0)	ND (1.0)	ND	ND
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND(10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND

Table 12
GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*MW-6*	*MW-9*	*MW-9*	*MW-25*	*MW-25*	*MW-48*	*MW-48*	*MW-50*	*MW-50*	*MW-50*
Sample ID:				*GW-050703-AMDE-366*	*GW-110602-AMDE-316*	*GW-050703-AMDE-398*	*GW-110602-AMDE-318*	*GW-050703-AMDE-399*	*GW-110602-AMDE-317*	*GW-050703-AMDE-401*	*PLUME WELL*	*PLUME WELL*	*GW-050703-AMD 397*
Sample Date:				*5/7/2003*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*5/7/2003*	*11/6/2002*	*5/7/2003*	*5/27/1998*	*6/15/2000*	*5/7/2003*
Area:													
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Vinyl chloride	ug/L	2	SOW	**2.6 J**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Bromomethane	ug/L	40	DWEL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Carbon disulfide	ug/L	3500	DWEL	ND(25)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND(25)
Acetone	ug/L	3500	DWEL	ND(25)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND(25)
Methylene chloride	ug/L	5	SOW	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	13	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,1-Dichloroethane	ug/L	3500	DWEL	660	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	**250**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
2-Butanone	ug/L	21000	DWEL	ND(25)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND	ND	ND(25)U*
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,1,1-Trichloroethane	ug/L	200	SOW	68	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1	3	1.7J
Carbon tetrachloride	ug/L	5	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Benzene	ug/L	5	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,2-Dichloroethane	ug/L	5	PMCL	4.3 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Trichloroethene	ug/L	5	SOW	**52**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND(25)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND(25)
Toluene	ug/L	1000	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Tetrachloroethene	ug/L	5	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**160**	**270**	**280**
Dibromochloromethane	ug/L	100	PMCL-1	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Chlorobenzene	ug/L	100	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Ethylbenzene	ug/L	700	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Styrene	ug/L	100	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Bromoform	ug/L	100	PMCL-1	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)
Xylene (total)	ug/L	10000	PMCL	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND (5.0)

Notes:

SOW - Scope of Work for Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana.
PMCL - Primary Maximum Contaminant Level (40 CFR 141).
SMCL - Secondary Maximum Contaminant Level (40 CFR 143).
IWQS - State of Indiana Water Quality Standard (Title 327-IAC).
DWEL - Health-based Drinking Water Equivalent Level, calculated using the equation: DWEL (ug/L) = [RFD (mg/kg-day) * 70kg] * 100 ÷ 2L/day
This standard is calculated for a 70 kg individual who consumes 2L of water per day and it is based on the reference dose
which is a benchmark daily intake for chemical X not like associated with adverse health effects.
TQL - Target Quantitation Limit. The target quantitation limit for this parameter, which is achievable by the analytical laboratory, will be used
as the tentative action level. Table 2.2 of the OM &M Plan QAPP presents a list of the target quantitation limits for these parameters.
PMCL - 1 - Action Level for this parameter represents the sum of trihalomethane detections including:bromochloromethane, bromoform, chloroform, and dibromochloromethane.
IWQS - 2 - Action Level for this parameter represents the sum of the dichlofopropene detections including:1,2 - dichloropropene and 1,3 - dichloropropene (cis - and trans - isomers).
DWEL - 3 - Reference Dose (RFD) value for anthracene was used as a standard value for polycyclic aromatic hydrocarbons (PAHs) with no available RFDs.
(Reference: USEPA Integrated Risk System Database [IRIS], January 1996.)
BOLD - Constituents that exceed action levels

Table 12
GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:				*EW2N-2*	*EW2N-2*	*EW2N-3*	*EW2N-3*	*EW2N-4*	*EW2N-4*
Sample ID:				*GW-110602-AMDE-319*	*GW-050803-TA-402*	*GW-110602-AMDE-320*	*GE-TA-050803-403*	*GW-110602-AMDE-321*	*GW-050803-TA-404*
Sample Date:				*11/6/2002*	*5/8/2003*	*11/6/2002*	*5/8/2003*	*11/6/2002*	*5/8/2003*
Area:									
Parameter	*Unit*	*Action Level*							
Volatiles									
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.2	0.93 JH
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.35 Ja
1,1-Dichloroethane	ug/L	3500	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.3	1.5M
cis-1,2-Dichloroethene	ug/L	70	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	19	14M
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND (1.0)	ND (1.0)	ND (1.0)	1.2	36	28M
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	3.0	7.1
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table 13
GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

				CRA-35A	CRA-35A	CRA-35A	CRA-35A(Dup)	CRA-36A	CRA-36A	CRA-36A	CRA-36A	CRA-38	CRA-38
Sample ID:				*PLUME WELL*	*PLUME WELL*	*GW-050803-AMDE-411*	*GW-050803-AMDE-412*	*PLUME WELL*	*PLUME WELL*	*PLUME WELL*	*GW-050803-AMDE-414*	*PLUME WELL*	*PLUME WELL*
Sample Date:				*6/1/1998*	*6/14/2000*	*5/8/2003*	*5/8/2003*	*5/29/1998*	*5/29/1998*	*6/14/2000*	*5/8/2003*	*5/29/1998*	*6/14/2000*
Area:									*Duplicate*				
Parameter	*Unit*	*Action Level*											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Vinyl chloride	ug/L	2	SOW	4	1	ND (1.0)	0.32Ja	ND	ND	ND	ND (1.0)	ND	ND
Bromomethane	ug/L	40	DWEL		ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
1,1-Dichloroethene	ug/L	7	PMCL	**10**	**9**	1.1	1.1	0.7	0.6	ND	ND (1.0)	ND	ND
Carbon disulfide	ug/L	3500	DWEL	ND	ND	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND	ND
Acetone	ug/L	3500	DWEL	74	ND	5.9	5.8	ND	ND	ND	ND (5.0)	ND	ND
Methylene chloride	ug/L	5	SOW	**30**	3	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
trans-1,2-Dichloroethene	ug/L	100	PMCL	4	4	0.76J	0.75J	2	0.7	ND	ND (1.0)	0.8	0.6
1,1-Dichloroethane	ug/L	3500	DWEL	120	79	36	37	9	9	ND	0.36Ja	12	3
cis-1,2-Dichloroethene	ug/L	70	PMCL	**1100**	**1100**	**88**	**86**	**100**	**79**	1	2.1	**74**	37
2-Butanone	ug/L	21000	DWEL	ND	ND	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND	ND
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
1,1,1-Trichloroethane	ug/L	200	SOW	4	ND	ND (5.0)	4.9	19	19	ND	3.3	0.6	ND
Carbon tetrachloride	ug/L	5	PMCL	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Benzene	ug/L	5	PMCL	**9**	**15**	0.58J	0.57J	ND	ND	ND	ND (1.0)	ND	ND
1,2-Dichloroethane	ug/L	5	PMCL	4	3	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Trichloroethene	ug/L	5	SOW	2	2	2.6	2.4	**5**	**5**	ND	0.66J	2	2
1,2-Dichloropropane	ug/L	5	PMCL	1	2	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Bromodichloromethane	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
4-Methyl-2-pentanone	ug/L	2800	DWEL	180	ND	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND	ND
Toluene	ug/L	1000	PMCL	**1900**	720	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
1,1,2-Trichloroethane	ug/L	5	PMCL	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Tetrachloroethene	ug/L	5	PMCL	ND	4	**7.6**	**7.5**	**110**	**78**	**31**	**46**	ND	ND
Dibromochloromethane	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Chlorobenzene	ug/L	100	PMCL	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Ethylbenzene	ug/L	700	PMCL	230	**240**	31	29	ND	ND	ND	ND (1.0)	0.7	ND
Styrene	ug/L	100	PMCL	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Bromoform	ug/L	100	PMCL-1	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND	ND	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND	ND
Xylene (total)	ug/L	10000	PMCL	1200	1200	6.1	5.8	ND	ND	ND	ND (1.0)	ND	ND

Notes:

H	Alternate peak selection upon analytical review
J	Result is an estimated value below the reporting limit.
a	Concentration is below the method reporting limit
M	Manually integrated compound
U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
U	Analyte was not detected at or above the stated limit.

Table 13
GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample ID:				CRA-38 GW-050803-AMDE-413	CRA-39 GW-110702-AMDE-326	CRA-39 GW-050803-AMDE-410	CRA-39B GW-110702-AMDE-327	CRA-39B GW-050803-AMDE-409	CRA-51 PLUME WELL	CRA-51 PLUME WELL	CRA-51 PLUME WELL	CRA-51 GW-050803-AMDE-416	CRA-54 GW-110602-RKTA-337
Sample Date:				5/8/2003	11/7/2002	5/8/2003	11/7/2002	5/8/2003	6/2/1998	6/2/1998	6/15/2000	5/8/2003	11/6/2002
Area:										Duplicate			
Parameter	Unit	Action Level											
Volatiles													
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.8	0.7	ND	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND (1.0)	1.6	0.8J	ND (1.0)	ND (1.0)	4	4	4	1.1	6.6
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	1	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	ND (1.0)	2.9	0.96J	ND (1.0)	ND (1.0)	32	30	32	15	21
1,1-Dichloroethane	ug/L	3500	DWEL	0.88J	51	32	ND (1.0)	ND (1.0)	780	640	98	21	140
cis-1,2-Dichloroethene	ug/L	70	PMCL	6.4	**260**	**96**	ND (1.0)	ND (1.0)	**1100**	**1000**	**720**	**150**	**940**
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	ND (1.0)	26	21M	ND (1.0)	ND (1.0)	ND	ND	10	2.7	95
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND (1.0)	0.52 J	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	0.9	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2	2	0.7	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	1.7	**460**	**200**	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND	ND	ND	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	1	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	0.64 J
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	**27**	**14**	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	4.2	2.4	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	ND	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND	ND	2	ND (1.0)	ND (1.0)

Table 13
GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

				CRA-54	CRA-55	CRA-55	CRA-57	CRA-57	CRA-61	CRA-61	MW-67	MW-67
Sample ID:				*GW-050603-AMDE-364*	*GW-110602-RKTA-338*	*GW-050603-AMDE-363*	*GW-110602-RKTA-335*	*GW-050603-AMDE-365*	*GW-110602-RKTA-336*	*GW-050603-AMDE-362*	*GW-110702-AMDE-325*	*GW-050803-AMDE-415*
Sample Date:				*5/6/2003*	*11/6/2002*	*5/6/2003*	*11/6/2002*	*5/6/2003*	*11/6/2002*	*5/6/2003*	*11/7/2002*	*5/8/2003*
Area:												
Parameter	*Unit*	*Action Level*										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	ND(25)	2.8	2.8	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	3500	DWEL	ND(120)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND(120)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	19 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	3500	DWEL	180	0.73 J	0.38Ja	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	70	PMCL	**1400**	ND (1.0)	0.35Ja	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone	ug/L	21000	DWEL	ND(120)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	160	120	140	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	5	PMCL	ND(25)	ND (1.0)	ND (1.0)UM	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	5	SOW	ND(25)	1.4	1.0	1.4	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND(120)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND(25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (25)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

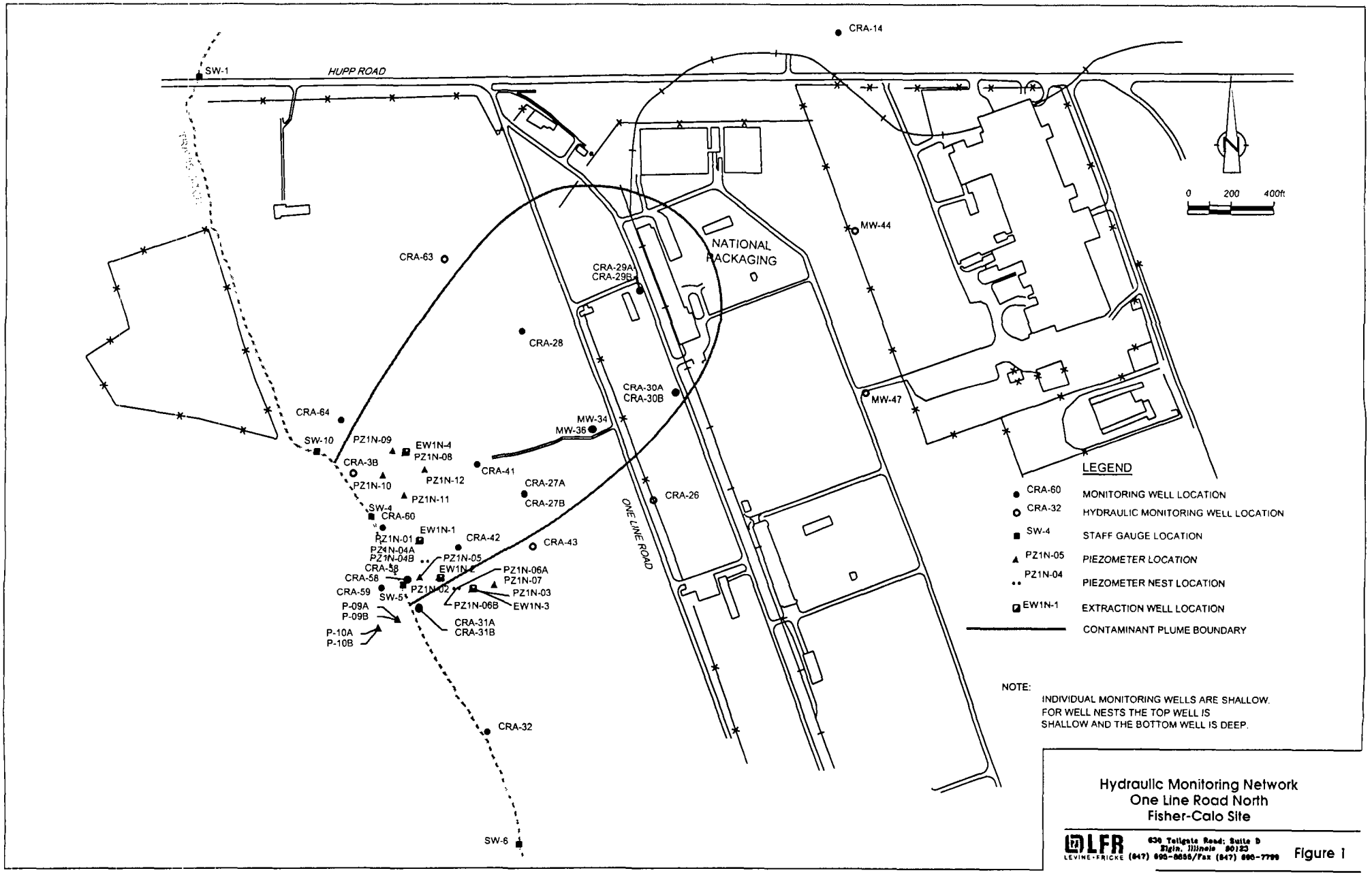
Table 13
GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

				EWSL-1	EWSL-1	EWSL-2	EWSL-2	EWSL-3	EWSL-3	EWSL-3	EWSL-4	EWSL-4
Sample ID:				GW-110702-AMDE-339	GW-050803-TA-405	GW-110702-AMDE-340	GW-050803-TA-406	GW-110702-AMDE-341	GW-110702-AMDE-342	GW-050803-TA-407	GW-110702-AMDE-343	GW-050803-TA-408
Sample Date:				11/7/2002	5/8/2003	11/7/2002	5/8/2003	11/7/2002	11/7/2002	5/8/2003	11/7/2002	5/8/2003
Area.									Duplicate			
Parameter	*Unit*	*Action Level*										
Volatiles												
Chloromethane	ug/L	100	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	2	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	40	DWEL	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	7	PMCL	2.0	1.4	6.5	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.62 J	1.5
Carbon disulfide	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND(25)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3500	DWEL	ND (5.0)	ND (5.0)	16	ND(25)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	5	SOW	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.92 J	ND(1.0)
trans-1,2-Dichloroethene	ug/L	100	PMCL	8.6	5.3	4.1	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.9	3.1
1,1-Dichloroethane	ug/L	3500	DWEL	100	70	55	41	ND (1.0)	ND (1.0)	ND (1.0)	130	87
cis-1,2-Dichloroethene	ug/L	70	PMCL	**300**	**180**	**290**	**320**	1 J	1.4	2.2	**100**	**81**
2-Butanone	ug/L	21000	DWEL	ND (5.0)	ND (5.0)U*	ND (5.0)	ND(25)U*	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (5.0)	ND (5.0)U*
Chloroform (Trichloromethane)	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	200	SOW	2.2	1.6	**240**	**150M**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	5	PMCL	0.85 J	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.55 J	ND(1.0)
Trichloroethene	ug/L	5	SOW	**12**	**6.2**	**87**	**71**	ND (1.0)	ND (1.0)	ND (1.0)	0.73 J	ND(1.0)
1,2-Dichloropropane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	2800	DWEL	ND (5.0)	ND (5.0)	ND (5.0)	ND(25)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	1000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	87	IWQS-2	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	5	PMCL	ND (1.0)	ND (1.0)	**12**	**13**	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	700	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	100	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	100	PMCL-1	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1.7	IWQS	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	10000	PMCL	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Notes:

SOW - Scope of Work for Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana.
PMCL - Primary Maximum Contaminant Level (40 CFR 141).
SMCL - Secondary Maximum Contaminant Level (40 CFR 143).
IWQS - State of Indiana Water Quality Standard (Title 327-IAC).
DWEL - Health-based Drinking Water Equivalent Level, calculated using the equation: DWEL (ug/L) = [RFD (mg/kg-day) * 70kg] * 100 ÷ 2L/day
This standard is calculated for a 70 kg individual who consumes 2L of water per day and it is based on the reference dose
which is a benchmark daily intake for chemical X not like associated with adverse health effects.
TQL - Target Quantitation Limit. The target quantitation limit for this parameter, which is achievable by the analytical laboratory, will be used
as the tentative action level. Table 2.2 of the OM &M Plan QAPP presents a list of the target quantitation limits for these parameters.
PMCL - 1 - Action Level for this parameter represents the sum of trihalomethane detections including:bromochloromethane, bromoform, chloroform, and dibromochloromethane.
IWQS - 2 - Action Level for this parameter represents the sum of the dichlofopropene detections including:1,2 - dichloropropene and 1,3 - dichloropropene (cis - and trans - isomers).
DWEL - 3 - Reference Dose (RFD) value for anthracene was used as a standard value for polycyclic aromatic hydrocarbons (PAHs) with no available RFDs.
(Reference: USEPA Integrated Risk System Database [IRIS], January 1996.)
BOLD - Constituents that exceed action levels

FIGURES



Hydraulic Monitoring Network
One Line Road North
Fisher-Calo Site

LFR LEVINE-FRICKE 630 Tollgate Road; Suite D Elgin, Illinois 60123 (847) 695-8655/Fax (847) 695-7799

Figure 1

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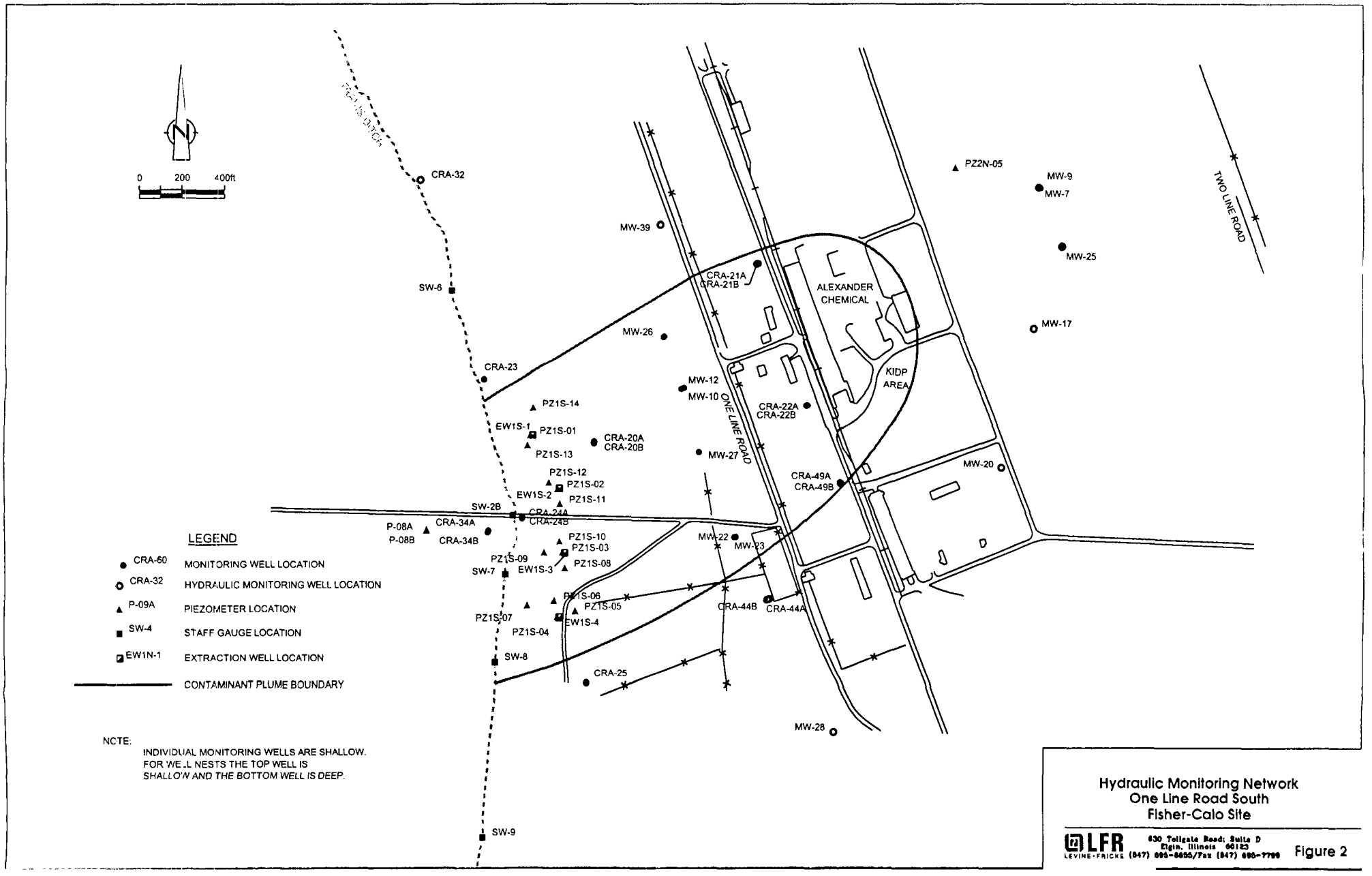
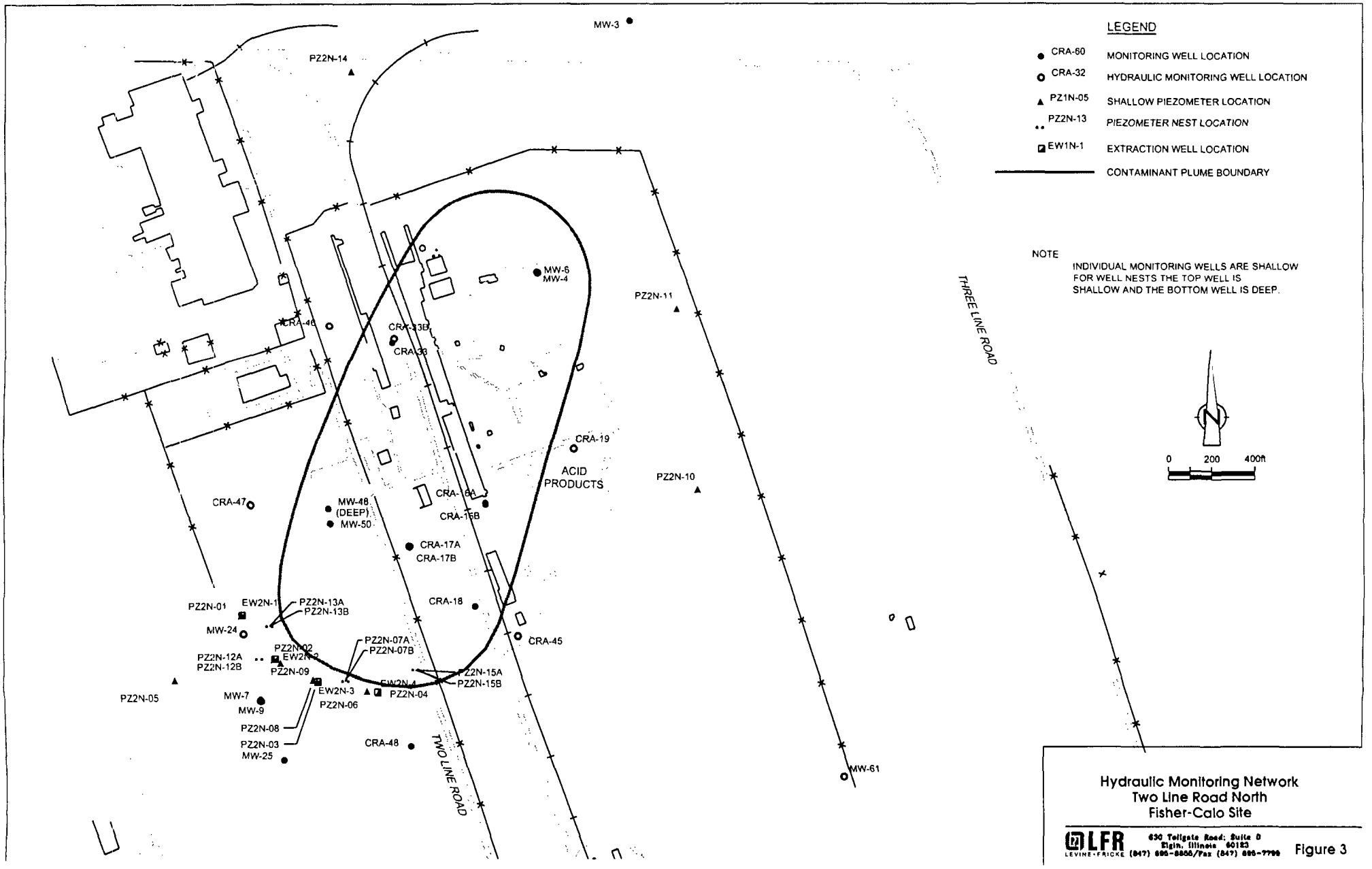


Hydraulic Monitoring Network
One Line Road South
Fisher-Calo Site

LFR LEVINE-FRICKE 630 Tollgate Road; Suite D Elgin, Illinois 60123 (847) 695-5655/Fax (847) 695-7799

Figure 2

T:\Mikey Consulting Group\P1359.00 Fisher-Calo\2002\Annual Report 2002\Figure02.dwg

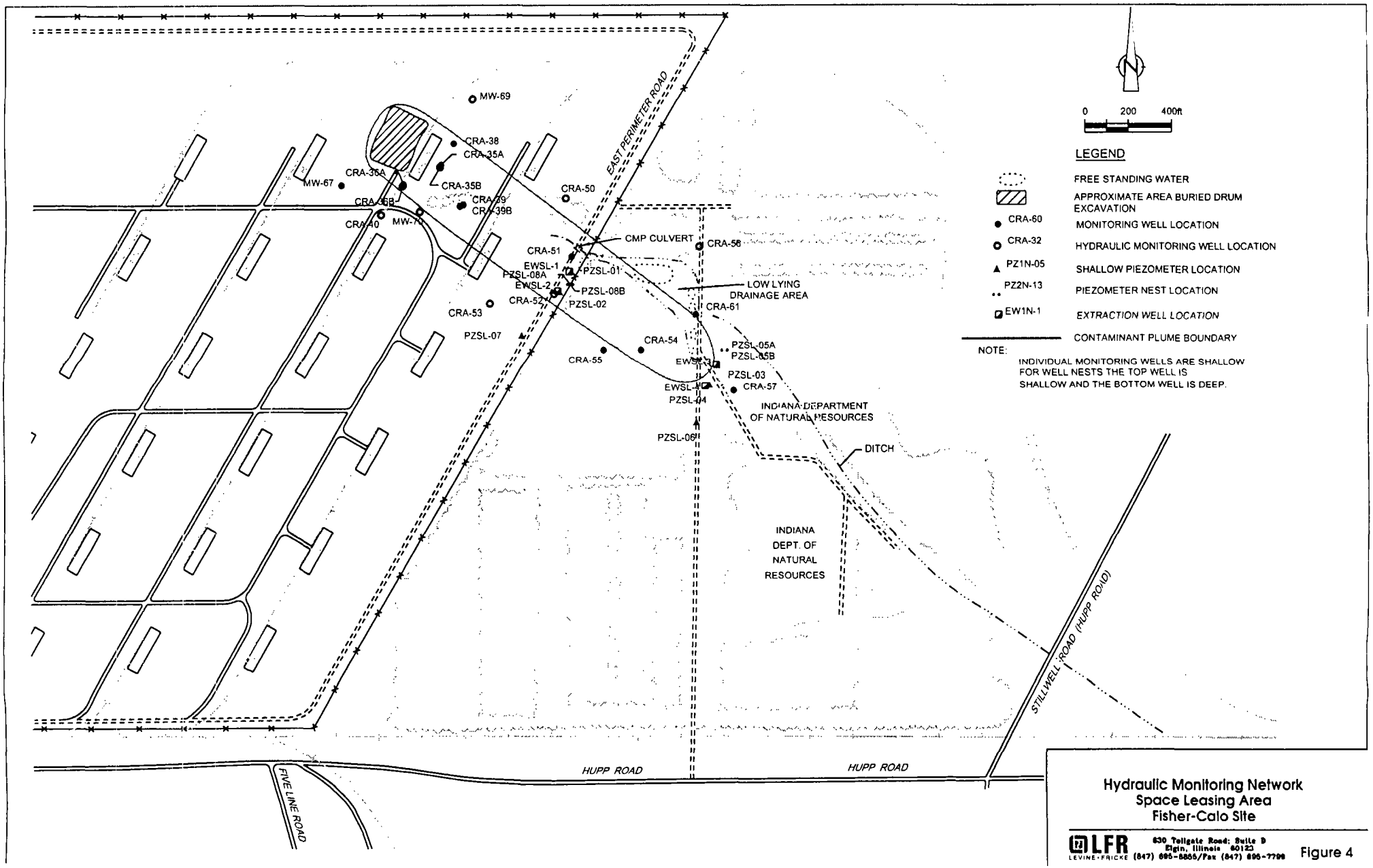


Hydraulic Monitoring Network
Two Line Road North
Fisher-Calo Site

LFR LEVINE-FRICKE 630 Tollgate Road, Suite D Elgin, Illinois 60123 (847) 695-8855/Fax (847) 695-7799

Figure 3

T:\Misiu Consulting Group\P1359.00 Fisher-Cool\2002\Annual Report 2002\Figure03.dwg



Hydraulic Monitoring Network
Space Leasing Area
Fisher-Calo Site

LFR LEVINE-FRICKE 630 Tollgate Road, Suite D Elgin, Illinois 60123 (847) 695-5805/Fax (847) 695-7799

Figure 4

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ATTACHMENTS

ATTACHMENT I

SUMMARY OF MAINTENANCE ACTIVITIES

List of Activities Performed this Period
Table1. Routine Maintenance Activities

ATTACHMENT I

SUMMARY OF MAINTENANCE ACTIVITIES

Summary of Routine Maintenance Activities

Attached Table 1 presents the routine maintenance activities conducted in 2002 and 2003.

Summary of Non-Routine Maintenance Activities

- June 2002- Replaced part of EW2N-2 andEW2N-3 piping in WFCB with PVC. Also changed globe valves to butterfly valves to decrease flow resistance and increase flow rates
- Replaced sump pump in treatment building sump.
- July 2002-Fixed leaking pipe in One Line South WFCB (EW1S-1)
- August 2002-Fixed leaking pipe in One Line North WFCB (EW1N-1)
- September 2002-Replaced pump motor at EW1S-2
- October 2002-Replaced leaking pitless adapter at EW1N-4
- November 2002-Replaced CO_2 vaporizer heating elements
- December 2002-Replaced heaters in Two Line North and Space Leasing Well Field Control Buildings (WFCB).
- May 2003-Replaced pump motor at EWSL-02
- June 2003-Replaced computer in treatment building control room. Replaced PLC at One-Line North WFCB.

TABLE 1

ROUTINE MAINTENANCE ACTIVITIES - 2002
FISHER-CALO SITE
KINGSBURY, INDIANA

O & M Event	Well ID	Operation and Maintenance Frequencies by Month												Total
		January	February	March	April	May	June	July	August	September	October	November	December	Events
Pump Wet End Change/Replacement	EW1N-1										1			1
	EW1N-2										1			1
	EW1N-3													
	EW1N-4										1			1
	EW1S-1			1							1			2
	EW1S-2										1			1
	EW1S-3	1									1		1	3
	EW1S-4										1			1
	EW2N-1													
	EW2N-2										1			1
	EW2N-3										1			1
	EW2N-4			1							1			2
	EWSL-1												1	1
	EWSL-2												1	1
	EWSL-3												1	1
	EWSL-4												1	1
	No. of Events	1		2							10		4	17
Yard Pipe Swabbing	1N	1									1			2
	1S	1		1							1			3
	2N	1		1							1			3
	SL	1											1	2
	No. of Events	4		2							3		1	10
Forcemain Swabbing	1N	1								1				2
	1S	1								1				2
	2N	1								1				2
	SL	1								1				2
	No. of Events	4								4				8
Air Stripper Cleaning	1										1			1
	2	1												1
	3										1			1
	No. of Events	1									2			3
Tank Cleaning	No. of Events	1												1

TABLE 1

ROUTINE MAINTENANCE ACTIVITIES - 2003
FISHER-CALO SITE
KINGSBURY, INDIANA

O & M Event	Well ID	Operation and Maintenance Frequencies by Month												Total Events
		January	February	March	April	May	June	July	August	September	October	November	December	
Pump Wet End Change/Replacement	EW1N-1													0
	EW1N-2													0
	EW1N-3													
	EW1N-4				1									1
	EW1S-1													0
	EW1S-2													0
	EW1S-3				1									1
	EW1S-4				1									1
	EW2N-1													
	EW2N-2				1									1
	EW2N-3				1									1
	EW2N-4				1									1
	EWSL-1						1							1
	EWSL-2				1									1
	EWSL-3				1									1
	EWSL-4				1									1
	No. of Events				9		1							10
Yard Pipe Swabbing	1N				1									1
	1S				2									2
	2N				3									3
	SL				3		1							4
	No. of Events				9		1							10
Forcemain Swabbing	1N		1											1
	1S		1											1
	2N		1											1
	SL		1											1
	No. of Events		4											4
Air Stripper Cleaning	1							1						1
	2		1											1
	3							1						1
	No. of Events		1					2						3
Tank Cleaning	No. of Events													

ATTACHMENT II

DATA REVIEW AND VALIDATION MEMO
TREATMENT PLANT SAMPLING

LFR
LEVINE•FRICKE

Date: June 11, 2003

INTEROFFICE MEMORANDUM

To: Wei-Lin Feng, P.E., P.G.

From: Tracy Freiwald, LFR Tallahassee

Subject: **DATA QUALITY ASSESSMENT AND VALIDATION FOR THE SAMPLES COLLECTED FROM THE WATER TREATMENT PLANT AT THE FISHER-CALO SITE IN KINGSBURY, INDIANA**

LFR assessed the data quality and validated the data from the water treatment plant influent and effluent samples collected on April 14, 2003 from the Fisher-Calo Site water treatment plant in Kingsbury, Indiana. Ms. Tracy Freiwald is the LFR Quality Assurance Officer for this project. The samples identified in Table 1 were analyzed for a select list of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, and the general water chemistry parameters listed in Table 2 by Severn Trent Laboratories of University Park, Illinois. The analytical methods are identified in Table 2. The quality assurance criteria used to assess the data were established by the methods and the quality assurance project plan.

Holding Time Periods

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Samples

Method blank samples monitor contamination of samples contributed to by laboratory conditions or procedures. The laboratory checks the data by concurrent preparation and analysis of method blank samples. None of the method blank samples contained target analytes.

Surrogate Compound Analyses

Assessing surrogate compound percent recovery data monitored individual sample performance for the organic analyses. The surrogate compound percent recovery data acceptance criteria were met for the samples.

Blank Spike and Laboratory Control Sample Analyses

Blank spike samples and laboratory control samples (LCS) were analyzed to monitor the accuracy of the laboratory preparation and analysis methods. All blank spike and LCS percent recovery data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

STL used MS/MSD samples to assess the accuracy and precision of the analytical methods relative to the sample matrices. MS/MSD percent recoveries and relative percent differences (RPDs) were determined. The calcium percent recovery value and iron RPD value exceeded their respective upper control limits

Table 4 presents the data that should be qualified.

Laboratory Control Sample Analyses

Laboratory control sample (LCS) percent recoveries were examined to assess the overall performance and the accuracy of the laboratory procedures. The LCS percent recovery for phenol was below the lower control limit. Table 4 presents the data that should be qualified.

Laboratory Duplicate Sample Analyses

STL used laboratory duplicate sample analysis to monitor the precision of the inorganics methods. STL calculated the relative percent difference (RPD) of laboratory duplicate sample analyses. The laboratory duplicate RPD data were acceptable.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of trip blank and field duplicate samples.

To monitor potential sample cross contamination by VOCs during sample transportation and storage, a trip blank sample was submitted to the laboratory for VOC analysis with each shipping cooler containing VOC samples. Target analyte - Methylene Chloride was detected in the trip blank sample. Table 5 summarizes the data that should be qualified.

Overall sampling and analysis precision was monitored by the results of field duplicate sample sets. Table 6 summarizes the RPD results from the field duplicate sample sets. The quality assurance project plan specified an advisory RPD limit of 20 percent for evaluating field duplicate data. The RPD results were acceptable as the values were below the 20 percent goal.

Completeness

Completeness, as determined by the total number of usable results versus the total number of results, was required to be 90 percent or greater. LFR determined the data is usable and the completeness criterion was met.

Overall Assessment

LFR determined the data exhibits acceptable levels of accuracy and precision and are suitable for their intended use with the qualifications noted.

Attachments

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
TREATMENT SYSTEM MONITORING PROGRAM
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID
EW-041403-TJA-203
IW-041403-TJA-204
IW-041403-TJA-205

TABLE 2

SUMMARY OF ANALYTICAL METHODS
TREATMENT SYSTEM MONITORING PROGRAM
FISHER-CALO SITE
KINGSBURY, INDIANA

Parameter	*Analytical Method*[1]
Alkalinity	EPA 310.1
Ammonia - Nitrogen	EPA 350.2
Metals	SW-846 6010B
SVOCs	CLP Low Level SOW OLC02.1
VOCs	SW-846 8260B
Total Suspended Solids (TSS)	EPA 160.2

[1] Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through III, November 1986.
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, revised March 1983.
CLP Low Level - "Superfund Analytical Methods for Low Concentration Water for Organics Analyses", U.S. EPA OLC02.1, February 1996.

TABLE 3

HOLDING TIME PERIODS
TREATMENT SYSTEM MONITORING PROGRAM
FISHER-CALO SITE
KINGSBURY, INDIANA

Parameter	*Holding Time Period*
Alkalinity, VOCs	- 14 days from sample collection to completion of analysis
Ammonia	- 28 days from sample collection to completion of analysis
Metals	- 180 days from sample collection to completion of analysis
SVOCs	- 7 days from sample collection to extraction - 40 days from extraction to completion of analysis
TSS	- 7 days from sample collection to completion of analysis

TABLE 4

SUMMARY OF QUALIFIED DATA RESULTING FROM VIOLATION OF MS/MSD and LCS PERCENT RECOVERY ACCEPTANCE CRITERIA
TREATMENT SYSTEM MONITORING PROGRAM
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID	*Analyte*	*Qualifier*[1]
EW-041403-TJA-203	Iron	*
IW-041403-TJA-204	Iron	*
IW-041403-TJA-205	Iron	*
EW-041403-TJA-203	Calcium	H
IW-041403-TJA-204	Calcium	H
IW-041403-TJA-205	Calcium	H
EW-041403-TJA-203	Phenol	*

[1] The sample results should be qualified as:
* - LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower
H - MS, MSD, MB: Batch QC is greater than reporting limit or had a negative instrument
than the absolute value of the reporting limit

TABLE 5

SUMMARY OF QUALIFIED SAMPLE DATA RESULTING FROM
TRIP BLANK CONTAMINATION
APRIL 2003 TREATMENT SYSTEM MONITORING PROGRAM
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID	*Analyte*	*Qualified Sample Result*[1] *(µg/L)*
EF-041403-TJA-203	Methylene Chloride	U(1.7)
IW-041403-TJA-204	Methylene Chloride	U(1.7)
IW-041403-TJA-205	Methylene chloride	U(1.7)

[1] The sample results should be qualified as:
U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

TABLE 6

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
TREATMENT SYSTEM MONITORING PROGRAM
FISHER-CALO SITE
KINGSBURY, INDIANA

Analyte	*Investigative Sample IW-041403-TJA-204*	*Duplicate Sample IW-041403-TJA-205*	*RPD* [1]
Volatile Organic Compounds (µg/L)			
Vinyl chloride	7.70	7.50	2.63
Chloroethane	1.90	1.80	NC
1,1-Dichloroethene	1.00	0.99	NC
trans-1,2-Dichloroethene	3.00	3.00	NC
1,1-Dichloroethane	57.00	56.00	1.77
cis-1,2-Dichloroethene	63.00	63.00	0.00
Chloroform	0.69	0.67	NC
1,2-Dichloroethane	0.79	0.81	NC
Trichloroethene	29.00	28.00	3.51
Tetrachloroethene	3.70	3.50	NC
1,1,1-Trichloroethane	28.00	27.00	3.64
Metals (µg/L)			
Calcium	65,000	67,000	3.0
Iron	120	140	15.4
Manganese	98	97	1.0
General Chemistry Parameters (mg/L)			
Alkalinity	210	210	0.0
Ammonia-Nitrogen	0.65	0.43	NC

[1] RPD - Relative Percent Difference
[2] ND( ) - Not detected at the quantitation limit in parentheses
[3] NC - Not calculable

ATTACHMENT III

HYDRAULIC MONITORING CONTOUR MAPS

300 0 300
SCALE IN FEET
1"=300'
713.20 GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11 713.14 WELL IDENTIFICATION GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
Well Flowrate
EW1N-1 70.0 GPM
EW1N-2 70.4 GPM
EW1N-3 OFF
EW1N-4 73.7 GPM
GROUNDWATER LEVEL CONTOURS
ONE LINE ROAD NORTH
FEBRUARY 3, 2003
CRA-63 709.25
CRA-29A 710.09
CRA-28 708.85
CRA-30A 709.41
MW-44 711.89
MW-47 710.42
MW-36 708.31
CRA-64 706.50
SW-10 705.93
PZ1N-09 706.03
EW1N-04
PZ1N-08 705.36
PZ1N-12 705.91
CRA-41 706.74
CRA-3B 705.80
PZ1N-10 705.71
CRA-27A 706.93
CRA-26 708.19
PZ1N-11 705.59
SW-4 705.35
CRA-60 705.37
EW1N-01 PZ1N-01 704.51
CRA-42 705.47
CRA-43 706.57
PZ1N-04A 704.94
CRA-58 704.93
PZ1N-05
EW1N-02
PZ1N-02 704.26
PZ1N-07 705.72
CRA-59 705.16
SW-5 704.85
PZ1N-06A 705.05
EW1N-03
PZ1N-03 705.31
P-09A 705.07
CRA-31A 704.88
P-10A 705.21
CRA-32 704.49
PZ2N-05 708.45
712.00
711.80
711.60
711.40
711.20
711.00
710.80
710.60
710.40
710.20
710.00
709.80
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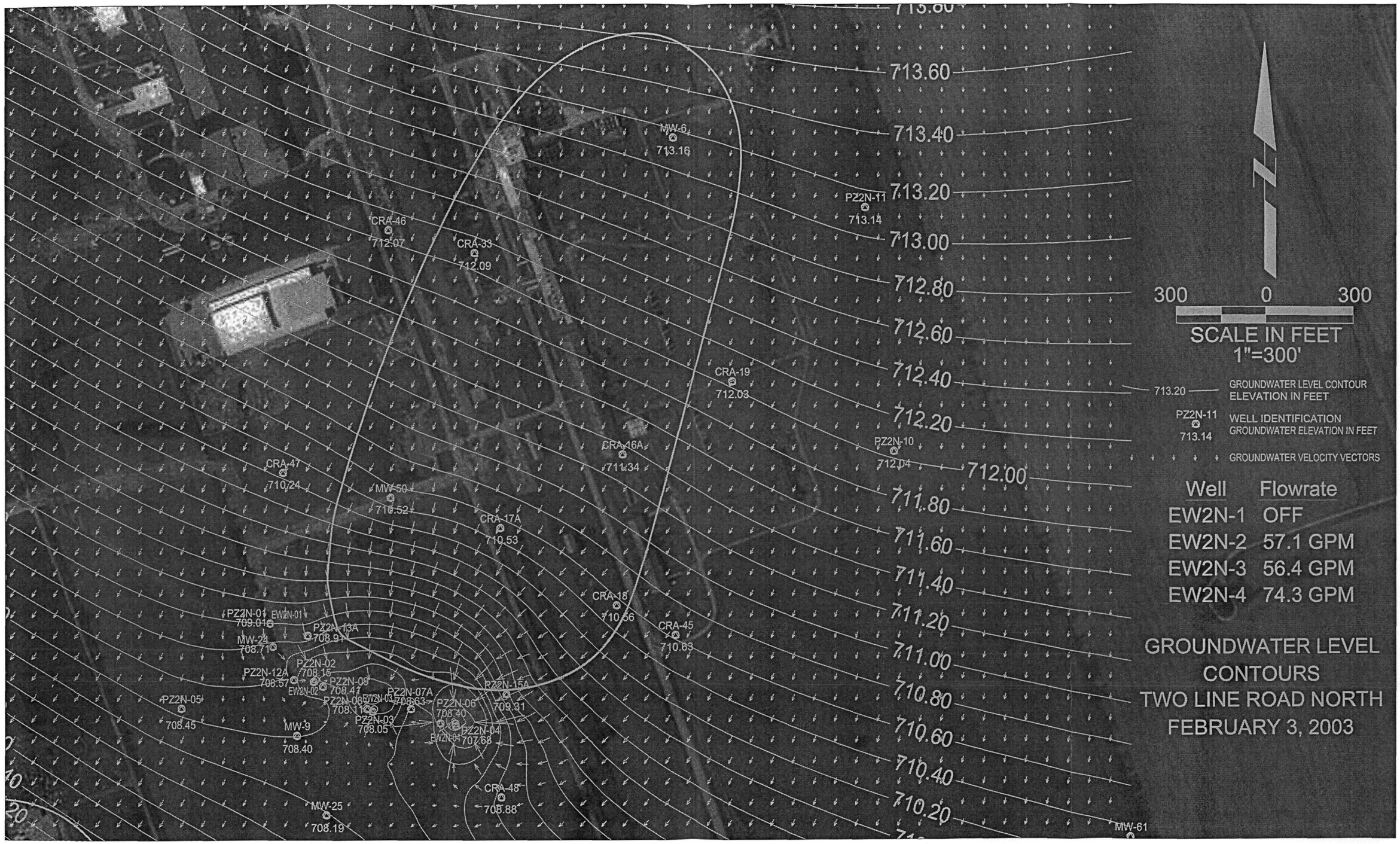
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711.20
711.00
710.80
710.60
710.40
710.20
MW-6
713.16
PZ2N-11
713.14
CRA-46
712.07
CRA-33
712.09
CRA-19
712.03
CRA-16A
711.34
PZ2N-10
712.04
CRA-47
710.24
MW-50
710.52
CRA-17A
710.53
CRA-18
710.56
CRA-45
710.63
PZ2N-01
709.01
EW2N-01
PZ2N-13A
708.97
MW-24
708.71
PZ2N-02
708.15
PZ2N-12A
708.57
PZ2N-09
708.47
EW2N-02
PZ2N-08
708.11
EW2N-03
PZ2N-07A
708.63
PZ2N-06
708.40
PZ2N-15A
709.31
PZ2N-05
708.45
MW-9
708.40
PZ2N-03
708.05
PZ2N-04
EW2N-04
707.68
CRA-48
708.88
MW-25
708.19
MW-61
300
0
300
SCALE IN FEET
1"=300'
713.20
GROUNDWATER LEVEL CONTOUR
ELEVATION IN FEET
PZ2N-11
713.14
WELL IDENTIFICATION
GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
Well Flowrate
EW2N-1 OFF
EW2N-2 57.1 GPM
EW2N-3 56.4 GPM
EW2N-4 74.3 GPM
GROUNDWATER LEVEL
CONTOURS
TWO LINE ROAD NORTH
FEBRUARY 3, 2003

300 0 300
SCALE IN FEET
1"=300'
713.20 GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11 713.14 WELL IDENTIFICATION GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
Well Flowrate
EW1S-1 80.2 GPM
EW1S-2 80.4 GPM
EW1S-3 80.1 GPM
EW1S-4 70.3 GPM
GROUNDWATER LEVEL CONTOURS
ONE LINE ROAD SOUTH
FEBRUARY 3, 2003
MW-39 706.23
CRA-21A 706.50
MW-25 708.19
SW-6 703.39
MW-17 707.61
MW-26 705.00
CRA-23A 702.94
MW-12 704.55
CRA-22A 705.57
PZ1S-14 702.57
EW1S-01 PZ1S-01 701.23
PZ1S-13 701.70
CRA-20A 702.88
MW-27 704.03
MW-20 706.24
CRA-49A 706.05
PZ1S-12 701.24
EW1S-02 PZ1S-02 700.57
PZ1S-11 701.24
SW-2B 701.70
CRA-24A 701.47
CRA-34A 701.89
P-08A 702.50
PZ1S-10 700.90
MW-23 703.57
PZ1S-09 701.08
PZ1S-03 700.34
EW1S-03 PZ1S-08 700.93
SW-7 701.41
PZ1S-06 700.85
CRA-44A 703.48
PZ1S-07
EW1S-04 PZ1S-05 701.04
PZ1S-04 700.20
SW-8 701.26
CRA-25 701.38
MW-28 702.91
701.40
701.60
701.80
702.00
702.20
702.40
702.60
702.80
703.00
703.20
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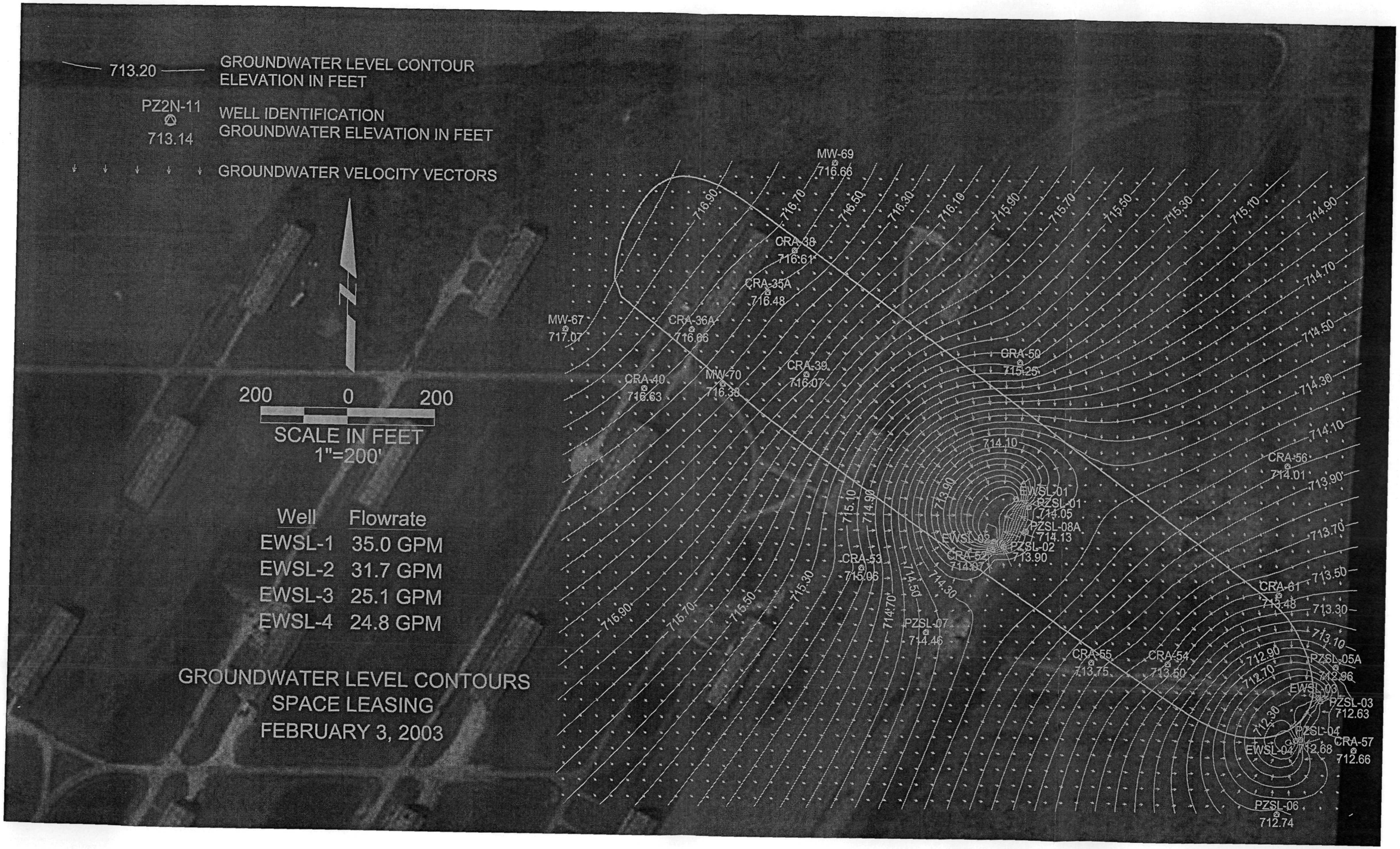
703.60
703.80
704.00
704.20
704.40
704.60
704.80
705.00
705.20
705.40


713.20
GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11
713.14
WELL IDENTIFICATION
GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
200 0 200
SCALE IN FEET
1"=200'
Well Flowrate
EWSL-1 35.0 GPM
EWSL-2 31.7 GPM
EWSL-3 25.1 GPM
EWSL-4 24.8 GPM
GROUNDWATER LEVEL CONTOURS
SPACE LEASING
FEBRUARY 3, 2003
MW-69 716.66
CRA-38 716.61
CRA-35A 716.48
MW-67 717.07
CRA-36A 716.86
CRA-40 716.63
MW-70 716.38
CRA-39 716.07
CRA-50 715.25
CRA-56 714.01
EWSL-01
PZSL-01 714.05
PZSL-08A 714.13
EWSL-02
PZSL-02 713.90
CRA-52 714.07
CRA-53 715.05
PZSL-07 714.46
CRA-61 713.48
CRA-55 713.75
CRA-54 713.50
PZSL-05A 712.96
EWSL-03
PZSL-03 712.63
PZSL-04
EWSL-04 712.68
CRA-57 712.66
PZSL-06 712.74

300 0 300
SCALE IN FEET
1"=300'
713.20 GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11 713.14 WELL IDENTIFICATION GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
Well Flowrate
EW1N-1 69.8 GPM
EW1N-2 70.2 GPM
EW1N-3 OFF
EW1N-4 74.9 GPM
GROUNDWATER LEVEL CONTOURS
ONE LINE ROAD NORTH
MAY 5, 2003
CRA-63 709.20
CRA-29A 709.84
CRA-28 708.73
CRA-30A 709.11
MW-44 711.54
MW-47 709.91
MW-36 708.13
CRA-64 705.70
SW-10 706.23
PZ1N-09 705.83
PZ1N-08 705.44
EW1N-04
PZ1N-12 705.98
CRA-41 706.75
CRA-3B 706.11
PZ1N-10 705.90
CRA-27A 706.87
CRA-26 707.92
PZ1N-11 705.74
SW-4 705.70
CRA-60 705.67
EW1N-01
PZ1N-01 704.72
CRA-42 705.61
CRA-43 706.56
PZ1N-04A 705.13
CRA-58 705.26
PZ1N-05 705.14
PZ1N-02 704.88
EW1N-02
EW1N-03
PZ1N-07 705.82
CRA-59 705.47
SW-5 705.25
PZ1N-06A 705.25
PZ1N-03 705.47
P-09A 705.38
CRA-31A 705.18
P-10A 705.48
CRA-32 704.81
PZ2N-05 707.90
711.80
711.60
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711.20
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300 0 300
SCALE IN FEET
1"=300'
713.20 GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11 713.14 WELL IDENTIFICATION GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
Well Flowrate
EW1S-1 80.0 GPM
EW1S-2 79.8 GPM
EW1S-3 80.1 GPM
EW1S-4 70.7 GPM
GROUNDWATER LEVEL CONTOURS
ONE LINE ROAD SOUTH
MAY 5, 2003
MW-39 706.05
CRA-21A 706.24
MW-25 707.57
SW-6 703.65
MW-17 707.05
MW-26 704.84
CRA-23 703.25
MW-12 704.28
CRA-22A 705.36
PZ1S-14 702.88
EW1S-01 PZ1S-01 701.51
PZ1S-13 704.98
CRA-20A 703.07
MW-27 703.93
MW-20 705.82
CRA-49A 704.76
PZ1S-12 701.52
EW1S-02 PZ1S-02 701.46
PZ1S-11 701.54
SW-2B 702.04
CRA-24A 701.92
P-08A 702.87
CRA-34A 702.29
PZ1S-10 701.31
MW-23 703.48
PZ1S-09 701.47
PZ1S-03 700.75
EW1S-03
PZ1S-08 701.32
SW-7 701.72
PZ1S-06 701.26
CRA-44A 703.36
PZ1S-07 701.53
PZ1S-05 701.39
EW1S-04 PZ1S-04 700.98
SW-8 701.43
CRA-25 701.66
MW-28 702.81
704.40
704.60
704.80
705.00
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705.60
705.80
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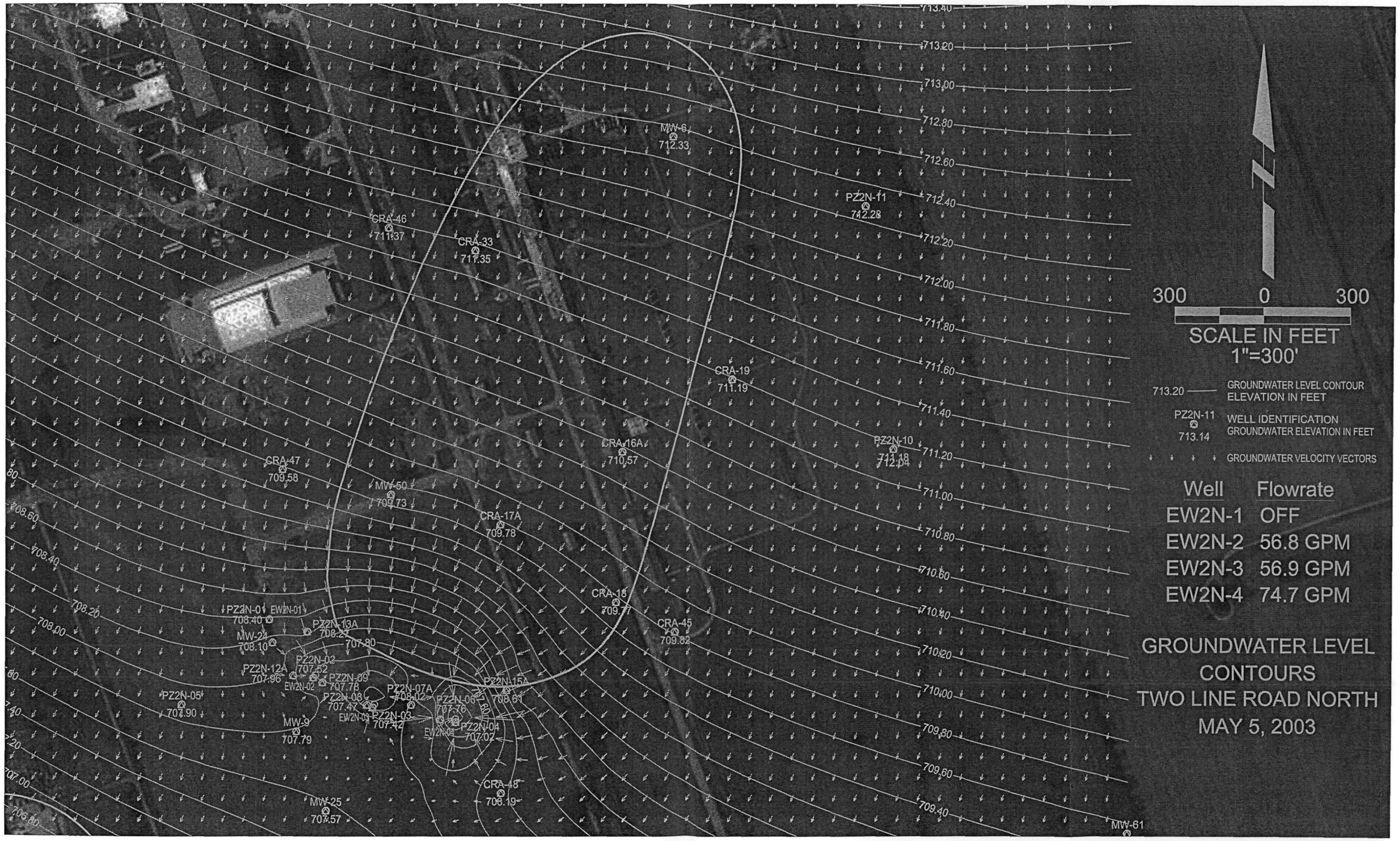
705.00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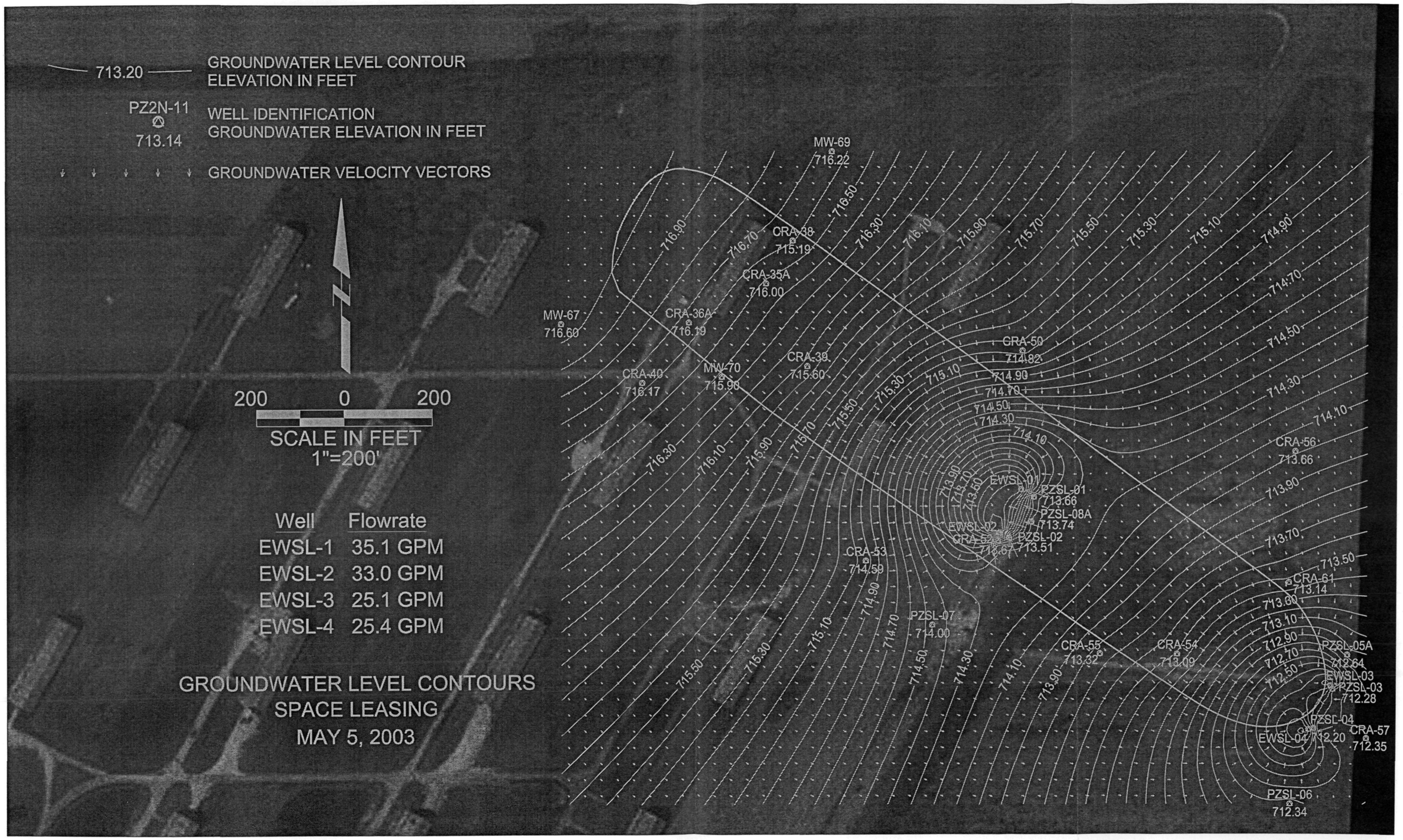
707.00
706.80
MW-6
712.33
PZ2N-11
712.28
CRA-46
711.37
CRA-33
711.35
CRA-19
711.19
CRA-16A
710.57
PZ2N-10
711.18
712.04
CRA-47
709.58
MW-50
709.73
CRA-17A
709.78
CRA-18
709.77
CRA-45
709.82
PZ2N-01
708.40
EW2N-01
MW-24
708.10
PZ2N-13A
708.29
707.80
PZ2N-02
707.52
PZ2N-12A
707.96
EW2N-02
PZ2N-09
707.78
PZ2N-05
707.90
PZ2N-08
707.47
EW2N-03
PZ2N-03
707.42
PZ2N-07A
708.02
PZ2N-06
707.76
EW2N-04
PZ2N-04
707.02
PZ2N-15A
708.61
MW-9
707.79
CRA-48
706.19
MW-25
707.57
MW-61
300
0
300
SCALE IN FEET
1"=300'
713.20 GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11 713.14 WELL IDENTIFICATION GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
Well Flowrate
EW2N-1 OFF
EW2N-2 56.8 GPM
EW2N-3 56.9 GPM
EW2N-4 74.7 GPM
GROUNDWATER LEVEL CONTOURS
TWO LINE ROAD NORTH
MAY 5, 2003


713.20
GROUNDWATER LEVEL CONTOUR ELEVATION IN FEET
PZ2N-11
713.14
WELL IDENTIFICATION GROUNDWATER ELEVATION IN FEET
GROUNDWATER VELOCITY VECTORS
200 0 200
SCALE IN FEET
1"=200'
Well Flowrate
EWSL-1 35.1 GPM
EWSL-2 33.0 GPM
EWSL-3 25.1 GPM
EWSL-4 25.4 GPM
GROUNDWATER LEVEL CONTOURS
SPACE LEASING
MAY 5, 2003
MW-69
716.22
MW-67
716.60
CRA-38
715.19
CRA-35A
716.00
CRA-36A
716.19
MW-70
715.90
CRA-40
716.17
CRA-39
715.60
CRA-50
714.82
CRA-56
713.66
EWSL-01
PZSL-01
713.66
PZSL-08A
713.74
EWSL-02
PZSL-02
713.51
CRA-53
714.59
PZSL-07
714.00
CRA-55
713.32
CRA-54
713.09
CRA-61
713.14
PZSL-05A
712.64
EWSL-03
PZSL-03
712.28
PZSL-04
712.20
EWSL-04
CRA-57
712.35
PZSL-06
712.34

ATTACHMENT IV

DATA REVIEW AND VALIDATION MEMO FOR GROUNDWATER SAMPLING

LFR
LEVINE•FRICKE

Date: December 26, 2002 revised March 5, 2003 **INTEROFFICE MEMORANDUM**

To: Wei-Lin Feng

From: Tracy Freiwald, LFR Tallahassee

Subject: **DATA QUALITY ASSESSMENT AND VALIDATION NOVEMBER 2002 GROUND WATER MONITORING EVENT FISHER CALO SITE IN KINGSBURY, INDIANA**

LFR assessed the data quality and validated the data from the ground water samples collected during the November 2002 monitoring event from the Fisher-Calo Site in Kingsbury, Indiana. The sample identification numbers are identified in Table 1. Severn Trent Laboratories of University Park, Illinois analyzed the ground water samples for volatile organic compounds (VOCs) according to SW-846 Method 8260B. The quality assurance criteria used to assess the data were established by the methods and the quality assurance project plan. Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA540/R-99/008, October 1999.

Holding Time Periods

The holding time for VOCs is 14 days from sample collection to completion of analysis. The samples were prepared and analyzed within the required holding time period.

Method Blank Samples

Method blank samples were used to monitor contamination of samples contributed to by laboratory conditions or procedures. The laboratory checked the data by concurrent preparation and analysis of method blank samples. None of the method blank samples contained target analytes.

Surrogate Compound Analyses

Surrogate compound percent recovery data were used to monitor individual sample performance for the organic analyses. The surrogate compound percent recovery data acceptance criteria were met for all samples with the exception of GW-110602-AMDE-313 (CRA-33). Toluene-d8 percent recovery exceeded the upper control limit. The sample was reanalyzed at a 25 times dilution and the surrogate compound percent recoveries were met.

Blank Spike and Laboratory Control Sample Analyses

Blank spike samples and laboratory control samples (LCS) were analyzed to monitor the accuracy of the laboratory preparation and analysis methods. The LCS percent recovery data for all samples were within the control limits. Data qualification in these circumstances is not required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

STL used MS/MSD samples to assess the accuracy and precision of the analytical methods relative to the sample matrices. MS/MSD percent recoveries and relative percent differences (RPDs) were determined.

The percent recoveries were within the control limits. In addition, the RPDs were acceptable. Data qualification in these circumstances is not required.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of trip blank and field duplicate samples.

To monitor potential sample cross contamination by VOCs during sample transportation and storage, a trip blank sample was submitted to the laboratory for VOC analysis with each shipping cooler containing VOC samples. Target analytes were not detected in the two trip blank samples analyzed.

Overall sampling and analysis precision was monitored by the results of field duplicate sample sets. Table 2 summarizes detected analyte data from the field duplicate sample sets. The quality assurance project plan specified an advisory RPD limit of 20 percent for evaluating field duplicate data. The RPD is not calculable if the result is less than five times the reporting limit. All the calculable RPD results were well below the 20 percent goal indicating excellent reproducibility of the data.

Laboratory Data Qualifiers

Table 3 presents a summary of the laboratory data qualifiers. The "J" data qualifier was noted on the laboratory report from the November 2002 sampling event. The laboratory defines the J qualifier as "result is an estimated value below the reporting limit". This qualifier occurs when the laboratory estimates the analyte concentration above the method detection limit but below the reporting limit.

Completeness

Completeness, as determined by the total number of usable results versus the total number of results, was required to be 90 percent or greater. LFR determined the data is usable and the completeness criterion was met.

Overall Assessment

LFR determined the data exhibits acceptable levels of accuracy and precision and are suitable for their intended use with the qualifications noted.

Attachments

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
NOVEMBER 2002 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID		*Location*
GW-110602-AMDE-299		CRA-14
GW-110502-AMDE-300		CRA-64
GW-110502-AMDE-301		CRA-58
GW-110502-AMDE-302		CRA-60
GW-110502-AMDE-303		CRA-31A
GW-110502-AMDE-304		CRA-42
GW-110502-AMDE-305		CRA-27B
GW-110502-AMDE-306		MW-36
GW-110502-AMDE-307		MW-36 Duplicate
GW-110502-AMDE-308		CRA-28
GW-110502-AMDE-309		CRA-59
GW-110502-AMDE-310		EWIN-01
GW-110502-AMDE-311		EWIN-02
GW-110502-AMDE-312		EWIN-04
GW-110602-AMDE-313		CRA-33
GW-110602-AMDE-314		CRA-16A
GW-110602-AMDE-315		CRA-16B
GW-110602-AMDE-316		MW-09
GW-110602-AMDE-317		MW-48
GW-110602-AMDE-318		MW-25
GW-110602-AMDE-319		EW2N-02
GW-110602-AMDE-320		EW2N-03
GW-110602-AMDE-321		EW2N-04
GW-110602-AMDE-322		MW-03
GW-110602-AMDE-323		CRA-48
GW-110602-AMDE-324		CRA-48 Duplicate
GW-110702-AMDE-325		MW-67
GW-110702-AMDE-326		CRA-39
GW-110702-AMDE-327		CRA-39B
GW-110702-AMDE-339		EWSL-01

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
NOVEMBER 2002 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID		*Location*
GW-110702-AMDE-340		EWSL-02
GW-110702-AMDE-341		EWSL-03
GW-110702-AMDE-342		EWSL-03 Duplicate
GW-110702-AMDE-343		EWSL-04
GW-110502-RKTA-291		CRA-34A
GW-110502-RKTA-292		CRA-34B
GW-110502-RKTA-293		CRA-24A
GW-110502-RKTA-294		CRA-24B
GW-110502-RKTA-295		CRA-25
GW-110502-RKTA-296		CRA-22A
GW-110502-RKTA-297		CRA-20A
GW-110502-RKTA-298		CRA-23
GW-110602-RKTA-330		EW1S-01
GW-110602-RKTA-331		EW1S-01 Duplicate
GW-110602-RKTA-332		EW1S-02
GW-110602-RKTA-333		EW1S-03
GW-110602-RKTA-334		EW1S-04
GW-110602-RKTA-335		CRA-57
GW-110602-RKTA-336		CRA-61
GW-110602-RKTA-337		CRA-54
GW-110602-RKTA-338		CRA-55

TABLE 2

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
NOVEMBER 2002 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Analyte	*MW-36 Investigative Sample GW-110502-AMDE-306*	*MW-36D Duplicate Sample GW-110502-AMDE-307*	*RPD* [1]
Organics (µg/L)			
1,1,1-Trichloroethane	51.0	56.0	9.35
1,1-Dichloroethane	5.9	6.0	1.68
cis-1,2-Dichloroethene	55.0	58.0	5.31
Tetrachloroethene	9.5	8.3	13.48
Trichloroethene	100.0	97.0	3.05

Analyte	*CRA-48 Investigative Sample GW-110602-AMDE-323*	*CRA-48D Duplicate Sample GW-110602-AMDE-324*	*RPD*
Organics (µg/L)			
1,1,1-Trichloroethane	22.00	23.00	4.44

Analyte	*EWSL-03 Investigative Sample GW-110702-AMDE-341*	*EWSL-03D Duplicate Sample GW-110702-AMDE-342*	*RPD*
Organics (µg/L)			
cis-1,2-Dichloroethene	1.00	1.40	NC

Analyte	*EW1S-01 Investigative Sample GW-110602-RKTA-330*	*EW1S-01D Duplicate Sample GW-110602-RKTA-331*	*RPD*
Organics (µg/L)			
1,2-Dichloroethane	6.50	6.90	5.97
trans-1,2-Dichloroethene	7.80	8.10	3.77
Vinyl Chloride	10.00	10.00	0.00
1,1,1-Trichloroethane	13.00	13.00	0.00
cis-1,2-Dichloroethene	59.00	60.00	1.68
1,1-Dichloroethane	120.00	120.00	0.00

[1] RPD - Relative Percent Difference

[2] ND( ) - Not detected at the quantitation limit in parentheses

[3] NC - Not calculable because result is not at least five times the reporting limit.

TABLE 3.
SUMMARY OF DATA QUALIFIERS
NOVEMBER 2002 GROUNDWATER MONITORING EVENT
FISHER CALO SITE
KINGSBURY, INDIANA

Sample ID	Well ID	Sample Date	Result	Qualifier	Units	Analyte	Reporting Limit
GW-110502-AMDE-304	CRA-42	11/05/02	0.57	J	ug/L	Benzene	1.0
GW-110502-AMDE-304	CRA-42	11/05/02	0.79	J	ug/L	1,1,2-Trichloroethane	1.0
GW-110502-AMDE-306	MW-36	11/05/02	0.79	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-110502-AMDE-306	MW-36	11/05/02	0.57	J	ug/L	1,2-Dichloropropane	1.0
GW-110502-AMDE-307	MW-36 Duplicate	11/05/02	0.82	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-110502-AMDE-307	MW-36 Duplicate	11/05/02	0.54	J	ug/L	1,2-Dichloropropane	1.0
GW-110502-AMDE-308	CRA-28	11/05/02	49	J	ug/L	1,1,1-Trichloroethane	50
GW-110502-AMDE-310	EWIN-01	11/05/02	0.90	J	ug/L	1,1-Dichloroethane	1.0
GW-110502-AMDE-310	EWIN-01	11/05/02	0.56	J	ug/L	cis-1,2-Dichloroethene	1.0
GW-110502-AMDE-311	EWIN-02	11/05/02	0.72	J	ug/L	1,1-Dichloroethene	1.0
GW-110502-AMDE-311	EWIN-02	11/05/02	0.59	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-110602-AMDE-314	CRA-16A	11/06/02	0.58	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-110602-AMDE-314	CRA-16A	11/06/02	0.73	J	ug/L	Toluene	1.0
GW-110702-AMDE-326	CRA-39	11/07/02	0.52	J	ug/L	Benzene	1.0
GW-110702-AMDE-339	EWSL-01	11/07/02	0.85	J	ug/L	Benzene	1.0
GW-110702-AMDE-341	EWSL-03	11/07/02	1.0	J	ug/L	cis-1,2-Dichloroethene	1.0
GW-110702-AMDE-343	EWSL-04	11/07/02	0.62	J	ug/L	1,1-Dichloroethene	1.0
GW-110702-AMDE-343	EWSL-04	11/07/02	0.92	J	ug/L	Methylene chloride	1.0
GW-110702-AMDE-343	EWSL-04	11/07/02	0.55	J	ug/L	1,2-Dichloroethane	1.0
GW-110702-AMDE-343	EWSL-04	11/07/02	0.73	J	ug/L	Trichloroethene	1.0
GW-110502-RKTA-297	CRA-20A	11/05/02	0.60	J	ug/L	1,1,2-Trichloroethane	1.0
EW-110602-RKTA-330	EW1S-01	11/06/02	0.58	J	ug/L	Ethylbenzene	1.0
EW-110602-RKTA-331	EW1S-01 Duplicate	11/06/02	0.68	J	ug/L	Ethylbenzene	1.0
EW-110602-RKTA-332	EW1S-02	11/06/02	0.61	J	ug/L	Chloroform	1.0
EW-110602-RKTA-332	EW1S-02	11/06/02	1.0	J	ug/L	Benzene	1.0
EW-110602-RKTA-334	EW1S-04	11/06/02	0.87	J	ug/L	Chloroform	1.0
EW-110602-RKTA-334	EW1S-04	11/06/02	0.60	J	ug/L	1,2-Dichloroethane	1.0
GW-110602-RKTA-337	CRA-54	11/06/02	0.64	J	ug/L	1,1,2-Trichloroethane	1.0
GW-110602-RKTA-338	CRA-55	11/06/02	0.73	J	ug/L	1,1-Dichloroethane	1.0

Note: J-Result is an estimated value below the reporting limit

LFR
LEVINE•FRICKE

Date: June 18, 2003

INTEROFFICE MEMORANDUM

To: Wei-Lin Feng, P.E., P.G.

From: Tracy Freiwald, LFR Tallahassee

Subject: **DATA QUALITY ASSESSMENT AND VALIDATION MAY 2003 GROUND WATER MONITORING EVENT FISHER CALO SITE IN KINGSBURY, INDIANA**

LFR assessed the data quality and validated the data from the ground water samples collected during the May 2003 monitoring event from the Fisher-Calo Site in Kingsbury, Indiana. Ms. Tracy Freiwald is the LFR Quality Assurance Officer for this project. The sample identification numbers are identified in Table 1. Severn Trent Laboratories of University Park, Illinois analyzed the ground water samples for volatile organic compounds (VOCs) according to SW-846 Method 8260B. The quality assurance criteria used to assess the data were established by the methods and the quality assurance project plan. Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA540/R-99/008, October 1999.

Holding Time Periods

The holding time for VOCs is 14 days from sample collection to completion of analysis. The samples were prepared and analyzed within the required holding time period.

Method Blank Samples

Method blank samples were used to monitor contamination of samples contributed to by laboratory conditions or procedures. The laboratory checked the data by concurrent preparation and analysis of method blank samples. None of the method blank samples contained target analytes.

Surrogate Compound Analyses

Surrogate compound percent recovery data were used to monitor individual sample performance for the organic analyses. The surrogate compound percent recovery data acceptance criteria were met for all samples. Data qualification in these circumstances is not required.

Blank Spike and Laboratory Control Sample Analyses

Blank spike samples and laboratory control samples (LCS) were analyzed to monitor the accuracy of the laboratory preparation and analysis methods. The LCS percent recovery data for all samples were within the control limits with the exception of the samples shown in Table 3 with the * data qualifier. All of the qualified LCS percent recovery data occurs on compounds that were not detected at the stated reporting limit.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

STL used MS/MSD samples to assess the accuracy and precision of the analytical methods relative to the sample matrices. MS/MSD percent recoveries and relative percent differences (RPDs) were determined.

The percent recoveries were within the control limits. In addition, the RPDs were acceptable. Data qualification in these circumstances is not required.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of trip blank and field duplicate samples.

To monitor potential sample cross contamination by VOCs during sample transportation and storage, a trip blank sample was submitted to the laboratory for VOC analysis with each shipping cooler containing VOC samples. Target analytes were not detected in the two trip blank samples analyzed.

Overall sampling and analysis precision was monitored by the results of field duplicate sample sets. Table 2 summarizes detected analyte data from the field duplicate sample sets. The quality assurance project plan specified an advisory RPD limit of 20 percent for evaluating field duplicate data. The RPD is not calculable if the result is less than five times the reporting limit. All the calculable RPD results were well below the 20 percent goal indicating excellent reproducibility of the data with the exception of trichloroethene in well CRA-27A. The RPD for trichloroethene at CRA-27A was 29.27 percent.

Laboratory Data Qualifiers

Table 3 presents a summary of the analytical data with laboratory data qualifiers. Six laboratory data qualifiers appeared on the May 2003 analytical reports. A description of each qualifier is included as a footnote to Table 3.

Completeness

Completeness, as determined by the total number of usable results versus the total number of results, was required to be 90 percent or greater. LFR determined the data is usable and the completeness criterion was met.

Overall Assessment

LFR determined the data exhibits acceptable levels of accuracy and precision and are suitable for their intended use with the qualifications noted.

Attachments

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID	*Location*
GW-050603-AMDE-344	CRA-27A
GW-050603-AMDE-345	CRA-27A (Duplicate)
GW-050603-AMDE-346	CRA-27B
GW-050603-AMDE-347	CRA-41
GW-050603-AMDE-348	CRA-64
GW-050603-AMDE-349	MW-36
GW-050603-AMDE-350	CRA-28 (Iron)
GW-050603-AMDE-351	CRA-30A
GW-050603-AMDE-352	CRA-58
GW-050603-AMDE-353	CRA-31A
GW-050603-AMDE-354	CRA-60
GW-050603-AMDE-355	CRA-42
GW-050603-AMDE-356	EW1N-2
GW-050603-AMDE-357	EW1N-1
GW-050603-AMDE-358	EW1N-4
GW-050603-AMDE-359	CRA-29A (Iron)
GW-050603-AMDE-360	CRA-29A (Duplicate)
GW-050603-AMDE-361	CRA-59 (MS-MSD)
GW-050603-AMDE-362	CRA-61
GW-050603-AMDE-363	CRA-55
GW-050603-AMDE-364	CRA-54
GW-050603-AMDE-365	CRA-57
GW-050703-AMDE-366	MW-6
GW-050703-AMDE-367	CRA-16A
GW-050703-AMDE-368	CRA-16A (Duplicate)
GW-050703-AMDE-369	CRA-16B
GW-050603-TA-370	CRA-20A
GW-050603-TA-371	CRA-20B (MS-MSD)
GW-050603-TA-372	CRA-49A
GW-050603-TA-373	CRA-22A (Iron)
GW-050603-TA-374	CRA-22A (Duplicate)
GW-050603-TA-375	CRA-22B
GW-050603-TADK-376	CRA-21A
GW-050603-TADK-377	CRA-23
GW-050603-TADK-378	CRA-34A
GW-050603-TADK-379	CRA-34B
GW-050603-TADK-380	CRA-24A (Iron)

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Sample ID	*Location*
GW-050603-TADK-381	CRA-24A (Duplicate)
GW-050703-TADK-382	CRA-24B
GW-050703-TADK-383	CRA-25
GW-050703-TADK-384	MW-22
GW-050703-TADK-385	MW-23
GW-050703-TADK-386	MW-27
GW-050703-TADK-387	MW-10
GW-050703-TADK-388	MW-12
GW-050703-TADK-389	MW-26
GW-050703-TADK-390	EW1S-1
GW-050703-TADK-391	EW1S-2
GW-050703-TADK-392	EW1S-3
GW-050703-TADK-393	EW1S-4 (MS-MSD)
GW-050703-AMDE-394	CRA-18
GW-050703-AMDE-395	CRA-17A
GW-050703-AMDE-396	CRA-33A
GW-050703-AMDE-397	MW-50
GW-050703-AMDE-398	MW-9 (MS-MSD)
GW-050703-AMDE-399	MW-25
GW-050703-AMDE-400	CRA-48
GW-050703-AMDE-401	MW48
GW-050803-TA-402	EW2N-2
GW-050803-TA-403	EW2N-3
GW-050803-TA-404	EW2N-4
GW-050803-TA-405	EWSL-1
GW-050803-TA-406	EWSL-2
GW-050803-TA-407	EWSL-3
GW-050803-TA-408	EWSL-4
GW-050803-AMDE-409	CRA-39B
GW-050803-AMDE-410	CRA-39
GW-050803-AMDE-411	CRA-35A
GW-050803-AMDE-412	CRA-35A (Duplicate)
GW-050803-AMDE-413	CRA-38
GW-050803-AMDE-414	CRA-36A
GW-050803-AMDE-415	MW-67 (MS-MSD)
GW-050803-AMDE-416	CRA-51
GW-050803-AMDE-417	MW-3

TABLE 2

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Analyte	*CRA-27A Investigative Sample GW-050603-AMDE-344*	*CRA-27A Duplicate Sample GW-050603-AMDE-345*	*RPD* [1]
Organics (µg/L)			
1,1,1-Trichloroethane	12.0	12.0	NC
1,1-Dichloroethane	2.6	2.6	NC
cis-1,2-Dichloroethene	2.2	4.7	NC
Trichloroethene	35.0	47.0	29.27

Analyte	*CRA-29A Investigative Sample GW-050603-AMDE-359*	*CRA-29A Duplicate Sample GW-050603-MADE-360*	*RPD*
Organics (µg/L)			
Chloroform	21.00	20.00	4.88
1,1,1-Trichloroethane	2.00	1.90	NC
Trichloroethene	29.00	29.00	0.00
Tetrachloroethene	12.00	11.00	8.70

Analyte	*CRA-16A Investigative Sample GW-050703-AMDE-367*	*CRA-16A Duplicate Sample GW-050703-AMDE-368*	*RPD*
Organics (µg/L)			
1,1-Dichloroethene	4.90	4.70	NC
1,1-Dichloroethane	3.50	3.40	NC
cis-1,2-Dichloroethene	13.00	13.00	0.00
1,1,1-Trichloroethane	23.00	21.00	9.09
Tetrachloroethene	31.00	28.00	10.17

TABLE 2

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER-CALO SITE
KINGSBURY, INDIANA

Analyte	*CRA-27A CRA-22A Investigative Sample GW-050603-TA-373*	*CRA-27A CRA-22A Duplicate Sample GW-050603-TA-374*	*RPD*
Organics (µg/L)			
1,1-Dichloroethene	1.2	1.20	NC
1,1-Dichloroethane	35	34.00	2.90
cis-1,2-Dichloroethene	6.6	6.60	0.00
Chloroform	1.6	1.70	NC
1,1,1-Trichloroethane	71	71.00	0.00
Trichloroethene	87	85.00	2.33
Tetrachloroethene	3.9	4.10	5.00

Analyte	*CRA-24A Investigative Sample GW-050603-TADK-380*	*CRA-24A Duplicate Sample GW-050603-TADK-381*	*RPD*
Organics (µg/L)			
1,1,1-Trichloroethane	4.00	4.00	NC
Trichloroethene	3.80	3.90	NC

Analyte	*CRA-35A Investigative Sample GW-050803-AMDE-411*	*CRA-35A Duplicate Sample GW-050803-AMDE-412*	*RPD*
Organics (µg/L)			
1,1-Dichloroethene	1.10	1.10	NC
1,1-Dichloroethane	36.00	37.00	2.74
cis-1,2-Dichloroethene	88.00	86.00	2.30
1,1,1-Trichloroethane	5.00	4.90	NC
Trichloroethene	2.60	2.40	NC
Tetrachloroethene	7.60	7.50	1.32
Ethylbenzene	31.00	29.00	6.67
Xylenes (total)	6.10	5.80	5.04

[1] RPD - Relative Percent Difference

[2] ND( ) - Not detected at the quantitation limit in parentheses

[3] NC - Not calculable because result is not at least five times the reporting limit.

TABLE 3.
SUMMARY OF DATA QUALIFIERS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER CALO SITE
KINGSBURY, INDIANA

Sample ID	Well ID	Sample Date	Result	Qualifier	Units	Analyte	Reporting Limit
GW-050703-AMDE-395	CRA-17A	05/07/03	2.1	H	ug/L	1,1-Dichloroethane	1.0
GW-050603-TA-373	CRA-22A	05/06/03	35	H	ug/L	1,1-Dichloroethane	1.0
GW-050603-TA-373	CRA-22A	05/06/03	6.6	H	ug/L	cis-1,2-Dichloroethene	1.0
GW-050603-TA-373	CRA-22A	05/06/03	1.6	H	ug/L	Chloroform	1.0
GW-050703-TADK-385	MW-23	05/07/03	1.3	H	ug/L	Benzene	1.0
GW-050703-AMDE-367	CRA-16A	05/07/03	0.57	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050703-AMDE-368	CRA-16A (DUP)	05/07/03	0.59	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-TA-370	CRA-20A	05/06/03	0.81	J	ug/L	Trichloroethene	1.0
GW-050603-TA-370	CRA-20A	05/06/03	0.77	J	ug/L	Ethylbenzene	1.0
GW-050603-TADK-376	CRA-21A	05/06/03	0.95	J	ug/L	1,1-Dichloroethene	1.0
GW-050603-TA-373	CRA-22A	05/06/03	0.83	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-TA-374	CRA-22A (DUP)	05/06/03	0.8	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-TA-375	CRA-22B	05/06/03	0.58	J	ug/L	Methylene chloride	1.0
GW-050603-TA-375	CRA-22B	05/06/03	0.84	J	ug/L	Chloroform	1.0
GW-050603-AMDE-344	CRA-27A	05/06/03	0.61	J	ug/L	1,1-Dichloroethane	1.0
GW-050603-AMDE-346	CRA-27B	05/06/03	0.69	J	ug/L	Tetrachloroethene	1.0
GW-050803-AMDE-411	CRA-35A	05/08/03	0.76	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050803-AMDE-411	CRA-35A	05/08/03	0.58	J	ug/L	Benzene	1.0
GW-050803-AMDE-412	CRA-35A (DUP)	05/08/03	0.75	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050803-AMDE-412	CRA-35A (DUP)	05/08/03	0.57	J	ug/L	Benzene	1.0
GW-050803-AMDE-414	CRA-36A	05/08/03	0.66	J	ug/L	Trichloroethene	1.0
GW-050803-AMDE-413	CRA-38	05/08/03	0.88	J	ug/L	1,1-Dichloroethane	1.0
GW-050803-AMDE-410	CRA-39	05/08/03	0.8	J	ug/L	1,1-Dichloroethene	1.0
GW-050803-AMDE-410	CRA-39	05/08/03	0.96	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-AMDE-355	CRA-42	05/06/03	5.3	J	ug/L	1,1-Dichloroethene	10
GW-050603-AMDE-355	CRA-42	05/06/03	8.3	J	ug/L	1,2-Dichloroethane	10
GW-050703-AMDE-400	CRA-48	05/07/03	0.72	J	ug/L	Tetrachloroethene	1.0
GW-050603-TA-372	CRA-49A	05/06/03	0.79	J	ug/L	Trichloroethene	1.0
GW-050603-TA-372	CRA-49A	05/06/03	0.6	J	ug/L	Tetrachloroethene	1.0
GW-050603-AMDE-364	CRA-54	05/06/03	19	J	ug/L	trans-1,2-Dichloroethene	25
GW-050603-AMDE-357	EW1N-1	05/06/03	0.86	J	ug/L	1,1-Dichloroethane	1.0
GW-050603-AMDE-356	EW1N-2	05/06/03	0.69	J	ug/L	1,1-Dichloroethene	1.0
GW-050603-AMDE-356	EW1N-2	05/06/03	0.63	J	ug/L	trans-1,2-Dichloroethene	1.0
EW-050703-TADK-390	EW1S-1	05/07/03	0.54	J	ug/L	Ethylbenzene	1.0
EW-050703-TADK-391	EW1S-2	05/07/03	5.4	J	ug/L	Tetrachloroethene	10
EW-050703-TADK-393	EW1S-4	05/07/03	0.67	J	ug/L	1,2-Dichloroethane	1.0
GW-050703-TADK-388	MW-12	05/07/03	55	J	ug/L	Trichloroethene	100
GW-050703-TADK-385	MW-23	05/07/03	0.88	J	ug/L	1,1,1-Trichloroethane	1.0
GW-050703-TADK-389	MW-26	05/07/03	0.64	J	ug/L	cis-1,2-Dichloroethene	1.0
GW-050603-AMDE-349	MW-36	05/06/03	0.68	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050703-AMDE-397	MW-50	05/07/03	1.7	J	ug/L	1,1,1-Trichloroethane	5.0
GW-050703-AMDE-366	MW-6	05/07/03	2.6	J	ug/L	Vinyl chloride	5.0
GW-050703-AMDE-366	MW-6	05/07/03	4.3	J	ug/L	1,2-Dichloroethane	5.0
GW-050703-AMDE-395	CRA-17A	05/07/03	0.34	Ja	ug/L	Chloroform	1.0
GW-050603-AMDE-353	CRA-31A	05/06/03	0.30	Ja	ug/L	Tetrachloroethene	1.0
GW-050803-AMDE-412	CRA-35A (DUP)	05/08/03	0.32	Ja	ug/L	Vinyl chloride	1.0

TABLE 3.
SUMMARY OF DATA QUALIFIERS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER CALO SITE
KINGSBURY, INDIANA

Sample ID	Well ID	Sample Date	Result	Qualifier	Units	Analyte	Reporting Limit
GW-050703-AMDE-395	CRA-17A	05/07/03	2.1	H	ug/L	1,1-Dichloroethane	1.0
GW-050603-TA-373	CRA-22A	05/06/03	35	H	ug/L	1,1-Dichloroethane	1.0
GW-050603-TA-373	CRA-22A	05/06/03	6.6	H	ug/L	cis-1,2-Dichloroethene	1.0
GW-050603-TA-373	CRA-22A	05/06/03	1.6	H	ug/L	Chloroform	1.0
GW-050703-TADK-385	MW-23	05/07/03	1.3	H	ug/L	Benzene	1.0
GW-050703-AMDE-367	CRA-16A	05/07/03	0.57	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050703-AMDE-368	CRA-16A (DUP)	05/07/03	0.59	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-TA-370	CRA-20A	05/06/03	0.81	J	ug/L	Trichloroethene	1.0
GW-050603-TA-370	CRA-20A	05/06/03	0.77	J	ug/L	Ethylbenzene	1.0
GW-050603-TADK-376	CRA-21A	05/06/03	0.95	J	ug/L	1,1-Dichloroethene	1.0
GW-050603-TA-373	CRA-22A	05/06/03	0.83	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-TA-374	CRA-22A (DUP)	05/06/03	0.8	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-TA-375	CRA-22B	05/06/03	0.58	J	ug/L	Methylene chloride	1.0
GW-050603-TA-375	CRA-22B	05/06/03	0.84	J	ug/L	Chloroform	1.0
GW-050603-AMDE-344	CRA-27A	05/06/03	0.61	J	ug/L	1,1-Dichloroethane	1.0
GW-050603-AMDE-346	CRA-27B	05/06/03	0.69	J	ug/L	Tetrachloroethene	1.0
GW-050803-AMDE-411	CRA-35A	05/08/03	0.76	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050803-AMDE-411	CRA-35A	05/08/03	0.58	J	ug/L	Benzene	1.0
GW-050803-AMDE-412	CRA-35A (DUP)	05/08/03	0.75	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050803-AMDE-412	CRA-35A (DUP)	05/08/03	0.57	J	ug/L	Benzene	1.0
GW-050803-AMDE-414	CRA-36A	05/08/03	0.66	J	ug/L	Trichloroethene	1.0
GW-050803-AMDE-413	CRA-38	05/08/03	0.88	J	ug/L	1,1-Dichloroethane	1.0
GW-050803-AMDE-410	CRA-39	05/08/03	0.8	J	ug/L	1,1-Dichloroethene	1.0
GW-050803-AMDE-410	CRA-39	05/08/03	0.96	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050603-AMDE-355	CRA-42	05/06/03	5.3	J	ug/L	1,1-Dichloroethene	10
GW-050603-AMDE-355	CRA-42	05/06/03	8.3	J	ug/L	1,2-Dichloroethane	10
GW-050703-AMDE-400	CRA-48	05/07/03	0.72	J	ug/L	Tetrachloroethene	1.0
GW-050603-TA-372	CRA-49A	05/06/03	0.79	J	ug/L	Trichloroethene	1.0
GW-050603-TA-372	CRA-49A	05/06/03	0.6	J	ug/L	Tetrachloroethene	1.0
GW-050603-AMDE-364	CRA-54	05/06/03	19	J	ug/L	trans-1,2-Dichloroethene	25
GW-050603-AMDE-357	EW1N-1	05/06/03	0.86	J	ug/L	1,1-Dichloroethane	1.0
GW-050603-AMDE-356	EW1N-2	05/06/03	0.69	J	ug/L	1,1-Dichloroethene	1.0
GW-050603-AMDE-356	EW1N-2	05/06/03	0.63	J	ug/L	trans-1,2-Dichloroethene	1.0
EW-050703-TADK-390	EW1S-1	05/07/03	0.54	J	ug/L	Ethylbenzene	1.0
EW-050703-TADK-391	EW1S-2	05/07/03	5.4	J	ug/L	Tetrachloroethene	10
EW-050703-TADK-393	EW1S-4	05/07/03	0.67	J	ug/L	1,2-Dichloroethane	1.0
GW-050703-TADK-388	MW-12	05/07/03	55	J	ug/L	Trichloroethene	100
GW-050703-TADK-385	MW-23	05/07/03	0.88	J	ug/L	1,1,1-Trichloroethane	1.0
GW-050703-TADK-389	MW-26	05/07/03	0.64	J	ug/L	cis-1,2-Dichloroethene	1.0
GW-050603-AMDE-349	MW-36	05/06/03	0.68	J	ug/L	trans-1,2-Dichloroethene	1.0
GW-050703-AMDE-397	MW-50	05/07/03	1.7	J	ug/L	1,1,1-Trichloroethane	5.0
GW-050703-AMDE-366	MW-6	05/07/03	2.6	J	ug/L	Vinyl chloride	5.0
GW-050703-AMDE-366	MW-6	05/07/03	4.3	J	ug/L	1,2-Dichloroethane	5.0
GW-050703-AMDE-395	CRA-17A	05/07/03	0.34	Ja	ug/L	Chloroform	1.0
GW-050603-AMDE-353	CRA-31A	05/06/03	0.30	Ja	ug/L	Tetrachloroethene	1.0
GW-050803-AMDE-412	CRA-35A (DUP)	05/08/03	0.32	Ja	ug/L	Vinyl chloride	1.0

TABLE 3.
SUMMARY OF DATA QUALIFIERS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER CALO SITE
KINGSBURY, INDIANA

Sample ID	Well ID	Sample Date	Result	Qualifier	Units	Analyte	Reporting Limit
GW-050803-AMDE-414	CRA-36A	05/08/03	0.36	Ja	ug/L	1,1-Dichloroethane	1.0
GW-050603-AMDE-355	CRA-42	05/06/03	3.8	Ja	ug/L	trans-1,2-Dichloroethene	10
GW-050603-AMDE-363	CRA-55	05/06/03	0.38	Ja	ug/L	1,1-Dichloroethane	1.0
GW-050603-AMDE-363	CRA-55	05/06/03	0.35	Ja	ug/L	cis-1,2-Dichloroethene	1.0
GW-050603-AMDE-357	EW1N-1	05/06/03	0.46	Ja	ug/L	cis-1,2-Dichloroethene	1.0
GW-050603-AMDE-356	EW1N-2	05/06/03	0.33	Ja	ug/L	Tetrachloroethene	1.0
EW-050703-TADK-393	EW1S-4	05/07/03	0.41	Ja	ug/L	trans-1,2-Dichloroethene	1.0
EW-050803-TA-404	EW2N-4	05/08/03	0.35	Ja	ug/L	trans-1,2-Dichloroethene	1.0
GW-050703-TADK-388	MW-12	05/07/03	48	Ja	ug/L	Tetrachloroethene	100
GW-050603-AMDE-349	MW-36	05/06/03	0.41	Ja	ug/L	1,1-Dichloroethene	1.0
EW-050803-TA-404	EW2N-4	05/08/03	0.93	JH	ug/L	1,1-Dichloroethene	1.0
GW-050803-AMDE-410	CRA-39	05/08/03	21	M	ug/L	1,1,1-Trichloroethane	1.0
GW-050603-AMDE-355	CRA-42	05/06/03	180	M	ug/L	1,1,1-Trichloroethane	10
GW-050703-AMDE-400	CRA-48	05/07/03	19	M	ug/L	1,1,1-Trichloroethane	1.0
EW-050703-TADK-393	EW1S-4	05/07/03	25	M	ug/L	1,1,1-Trichloroethane	1.0
EW-050803-TA-404	EW2N-4	05/08/03	1.5	M	ug/L	1,1-Dichloroethane	1.0
EW-050803-TA-404	EW2N-4	05/08/03	14	M	ug/L	cis-1,2-Dichloroethene	1.0
EW-050803-TA-404	EW2N-4	05/08/03	28	M	ug/L	1,1,1-Trichloroethane	1.0
EW-050803-TA-406	EWSL-2	05/08/03	150	M	ug/L	1,1,1-Trichloroethane	5.0
GW-050703-TADK-389	MW-26	05/07/03	20	M	ug/L	1,1,1-Trichloroethane	1.0
GW-050703-AMDE-367	CRA-16A	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-368	CRA-16A (DUP)	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-369	CRA-16B	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-395	CRA-17A	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-394	CRA-18	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-344	CRA-27A	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-345	CRA-27A (DUP)	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-346	CRA-27B	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-350	CRA-28	05/06/03	50	U*	ug/L	Acetone	50
GW-050603-AMDE-359	CRA-29A	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-359	CRA-29A	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-360	CRA-29A (DUP)	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-360	CRA-29A (DUP)	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-351	CRA-30A	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-353	CRA-31A	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050703-AMDE-396	CRA-33A	05/07/03	50	U*	ug/L	2-Butanone (MEK)	50
GW-050603-AMDE-347	CRA-41	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-355	CRA-42	05/06/03	50	U*	ug/L	Acetone	50
GW-050703-AMDE-400	CRA-48	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-364	CRA-54	05/06/03	120	U*	ug/L	Acetone	120
GW-050603-AMDE-364	CRA-54	05/06/03	120	U*	ug/L	2-Butanone (MEK)	120
GW-050603-AMDE-363	CRA-55	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-363	CRA-55	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-365	CRA-57	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-365	CRA-57	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-352	CRA-58	05/06/03	5.0	U*	ug/L	Acetone	5.0

TABLE 3.
SUMMARY OF DATA QUALIFIERS
MAY 2003 GROUNDWATER MONITORING EVENT
FISHER CALO SITE
KINGSBURY, INDIANA

Sample ID	Well ID	Sample Date	Result	Qualifier	Units	Analyte	Reporting Limit
GW-050603-AMDE-361	CRA-59	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-354	CRA-60	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-348	CRA-64	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-362	CRA-61	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-362	CRA-61	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-357	EW1N-1	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-357	EW1N-1	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-356	EW1N-2	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-358	EW1N-4	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-358	EW1N-4	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
EW-050803-TA-402	EW2N-2	05/08/03	5	U*	ug/L	2-Butanone (MEK)	5.0
EW-050803-TA-403	EW2N-3	05/08/03	5	U*	ug/L	2-Butanone (MEK)	5.0
EW-050803-TA-404	EW2N-4	05/08/03	5	U*	ug/L	2-Butanone (MEK)	5.0
EW-050803-TA-405	EWSL-1	05/08/03	5	U*	ug/L	2-Butanone (MEK)	5.0
EW-050803-TA-406	EWSL-2	05/08/03	25	U*	ug/L	2-Butanone (MEK)	25
EW-050803-TA-407	EWSL-3	05/08/03	5	U*	ug/L	2-Butanone (MEK)	5.0
EW-050803-TA-408	EWSL-4	05/08/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-399	MW-25	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-349	MW-36	05/06/03	5.0	U*	ug/L	Acetone	5.0
GW-050603-AMDE-349	MW-36	05/06/03	5.0	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-401	MW-48	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050703-AMDE-397	MW-50	05/07/03	25	U*	ug/L	2-Butanone (MEK)	25
GW-050703-AMDE-366	MW-6	05/07/03	25	U*	ug/L	2-Butanone (MEK)	25
GW-050703-AMDE-398	MW-9	05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
TRIP BLANK		05/07/03	5	U*	ug/L	2-Butanone (MEK)	5.0
GW-050603-AMDE-345	CRA-27A (DUP)	05/06/03	1.0	UM	ug/L	Carbon tetrachloride	1.0
GW-050603-AMDE-355	CRA-42	05/06/03	10	UM	ug/L	Carbon tetrachloride	10
GW-050603-AMDE-363	CRA-55	05/06/03	1.0	UM	ug/L	Carbon tetrachloride	1.0
GW-050603-AMDE-356	EW1N-2	05/06/03	1.0	UM	ug/L	Carbon tetrachloride	1.0
GW-050603-AMDE-349	MW-36	05/06/03	1.0	UM	ug/L	Carbon tetrachloride	1.0

Notes:

H	Alternate peak selection upon analytical review
J	Result is an estimated value below the reporting limit.
a	Concentration is below the method reporting limit
M	Manually integrated compound
U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
U	Analyte was not detected at or above the stated limit.

ATTACHMENT V

STATISTICAL REVIEW OF GROUNDWATER DATA

LFR
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Date: January 2, 2003 Revised on June 3, 2003 **INTEROFFICE MEMORANDUM**

To: Wei-Lin Feng
Dale Ellingson

From: Aravind Marella

Subject: **STATISTICAL EVALUATION OF GROUNDWATER MONITORING RESULTS NOVEMBER 2002 MONITORING EVENT FISHER-CALO SITE KINGSBURY, INDIANA**

This memo details the findings of statistical evaluation of groundwater monitoring data following the November 2002 sampling event at the Fisher-Calo site (Site). As specified in the Site's Groundwater Contingency Plan (Appendix B of the Operations, Maintenance and Monitoring Plan, CRA, May 2000), groundwater monitoring data is to be evaluated using a series of statistical procedures (Attachments A, B and C of the Contingency Plan). This memo presents the findings of each statistical procedure in three separate sections (trend analyses, confidence limit analyses and background tolerance limit analyses).

1.0 TREND ANALYSIS

1.1 Introduction

The Site groundwater extraction systems adjacent to Travis Ditch (One Line Road North and One Line Road South) each have a historically-impacted monitoring well between the groundwater extraction system and Travis Ditch. These monitoring wells are CRA-58 (One Line Road North) and CRA-24A (One Line Road South). For these monitoring wells, observing reducing or non-discernible trends in constituent concentrations verify containment of the plume. This section details the findings of the trend evaluations of groundwater constituents at CRA-58 and CRA-24A following the fourteenth groundwater monitoring event (November 2002).

1.2 Statistical Methodology

The trend evaluation methodology is outlined in Attachment A of the Groundwater Contingency Plan (Appendix B of the Operations, Maintenance and Monitoring Plan, CRA, May 2000) for the Site. The trend evaluation consists of the following steps:

1) Assembling data for all parameters from the eight most recent monitoring events;

2) Assessing the data distribution of these eight results for each parameter;

3) Calculating a linear regression line (least squares best fit line); and

4) Testing the significance (at α=0.99 significance) of the linear regression line using a *t*-test.

If the results of the *t*-test indicate that a significant increasing trend is present, then the action level has been exceeded and the plume has not been contained. Otherwise, containment of the plume has been achieved.

Field duplicate results were averaged prior to carrying out the statistical analyses. Non-detect results were substituted with a value of one-half the detection limit. The statistical calculations performed in this trend evaluation were performed using Microsoft Excel®.

1.3 Scope of Data

To date fourteen groundwater monitoring events have occurred under the long-term groundwater monitoring program. The data used for the trend evaluation consisted of results from the eight most recent monitoring events (i.e. November 2002 event was added and June 1999 event was dropped). The eight events used are as follows.

November 2002	November 2000
May 2002	June 2000
November 2001	February 2000
June 2001	December 1999

A listing of these monitoring results is provided in Table I.1 thru I.4 of this memorandum

For the purposes of the trend evaluation, those monitored parameters for which no detections have been observed during the eight most recent monitoring events were not considered. The trend analysis is described below.

1.4 Results of Trend Evaluation

A summary of statistical trend evaluation results is provided in Table 1. Of the 32 parameters monitored at the Site, only six were detected at least once at CRA-24A during the last eight monitoring events. Similarly, only four parameters were detected at CRA-58. No statistically significant ($P<0.01$) increases in chemical concentrations were detected for any monitored parameters at CRA-24A or CRA-58. Statistically significant ($P<0.01$) decreasing trends were observed at CRA-24A for TCE and 1,1,1-TCA.

1.5 Conclusions

The statistical trend analysis has determined that there is no evidence of increasing trends in chemical concentrations at either CRA-24A or CRA-58. Statistically significant decreasing trends were observed at CRA-24A for TCE and 1,1,1-TCA. All analytical parameters at both wells either had no detections during the last eight monitoring events, or do not exhibit statistically significant increasing

trends with time. These findings are consistent with containment of the contaminant plume by the ground water extraction system.

2.0 99 PERCENT CONFIDENCE LIMIT ANALYSIS

2.1 Introduction

In the "Flow Chart of Evaluation Tasks for Chemical Monitoring Networks – Fisher-Calo Site" (Figure 5.1 of the Groundwater Contingency Plan), the first task in the statistical evaluation process is to compare the 99 percent confidence limits of each constituent to their respective action level. A copy of Figure 5.1 is attached to this memo. The findings of these comparisons are presented in this section and the results are summarized in Tables 2A-2D and 3A-3D.

For monitored parameters that have confidence limits above the respective action level, the next evaluation task is to compare each measurement against a 95 percent upper tolerance limit for the background results. This task is detailed in Section 3 of this memorandum and the results are summarized in Tables 4A-4D.

2.2 Statistical Methodology

The methodology used to compare the 99 percent confidence limits (CLs) is outlined in Attachment B of the Groundwater Contingency Plan. The process consists of (i) checking the distribution of the data, (ii) calculating a 99 percent lower confidence limit (LCL) of the mean concentration, and (iii) comparing the LCL to the action level. This process was performed for each constituent at each well, For the purposes of statistical calculations, non-detected values were substituted with a value of one-half the detection limit.

The confidence limit calculations were carried out using Microsoft Excel spreadsheet

2.3 Scope of Monitoring Data

The Groundwater Contingency Plan specifies that a minimum of the previous four rounds of chemical monitoring data be used to calculate a 99 percent LCL. All parameters at wells that were sampled in the November 2002 monitoring were included in the statistical analyses. Calculations were performed using the last eight rounds of data contained in the Site database. Table I presents the results of the last eight rounds of groundwater monitoring.

2.4 Results

The number of samples, number of detects and coefficient of variation (CV) are presented in four tables, corresponding to four areas at the Site which are: (i) One Line Road North (Table 2A); (ii) One Line Road South (Table 2B); (iii) Two Line Road North (Table 2C); and (iv) Space Leasing Area (Table 2D). The calculated 99 percent LCL values are presented in Tables 3A through 3D. These values were compared to the corresponding action level for each constituent. Any LCL that

exceeded the corresponding action level was highlighted in boldface. The parameters that were found to be above action levels at one or more wells include: benzene, 1,2-DCA, 1,1-DCE cis-1, 2-DCE, PCE, and 1,1,1-TCA, TCE, 1,1,2-TCA and VC.

One Line Road North LCL Exceedances

CRA-28 (CT)	TCE
CRA-42 (CT)	TCE, 1,2-DCA, cis-1,2-DCE
MW-36 (CT)	TCE, PCE
EW1N-1 (E)	TCE
EW1N-2 (E)	TCE

One Line Road South LCL Exceedances

CRA-20A (CT)	VC, cis-1,2-DCE
CRA-22A (CT)	TCE
EW1S-1 (E)	VC, 1,2-DCA
EW1S-2 (E)	VC, TCE, cis-1,2-DCE
EW1S-3 (E)	TCE, PCE
EW1S-4 (E)	PCE

Two Line Road North LCL Exceedances

CRA-16A (CT)	PCE
CRA-33 (CT)	BENZENE, 1,2-DCA, VC

Space Leasing LCL Exceedances

CRA-39 (CT)	TCE, cis-1,2-DCE, PCE
CRA-54 (CT)	cis-1,2-DCE, 1,1-DCE
EWSL-1 (E)	TCE, cis-1,2-DCE
EWSL-2 (E)	TCE, cis-1,2-DCE, 1,1,1-TCA

2.5 Conclusions

Using the confidence limit analysis, a number of parameters were found to be above their respective action levels at different wells within the delineated contaminant plumes. **No parameters were detected above action levels in boundary monitoring wells during the November 2002 monitoring event.** The chemicals which exhibited at least one exceedance within the contaminant plumes include benzene, TCE, 1,2-DCA, cis-1,2-DCE, PCE, VC, 1,1-DCE and 1,1,1-TCA.

The wells with contaminants exceeding the LCL action levels are presented on Figures 1 thru 4 of this attachment. A summary of the LCL action level exceedances and the corresponding November 2002 results are presented in Tables 5A-5D.

For parameters exceeding LCL action levels, a background 95 percent tolerance interval analysis is prescribed in the Groundwater Contingency Plan. These subsequent analyses are detailed in Section 3.

3.0 95 PERCENT BACKGROUND TOLERANCE INTERVAL ANALYSES

3.1 95 Percent Tolerance Interval Background Procedure

As outlined in Figure 5.1 of the contingency plan, if the 99 percent LCL is found to be above the action level, then the next step is to calculate the 95 percent upper tolerance limit (UTL) using data from the background well corresponding to the site area. LFR conducted the background analysis according to Attachment C of the Groundwater Contingency Plan for those parameters identified in Section 2 of this memo with LCLs exceeding the respective action level.

3.2 Statistical Methodology

The methodology used to compare the 95 percent tolerance limits (TLs) is outlined in Attachment C of the Groundwater Contingency Plan. The process consists of (i) checking the distribution of the data, (ii) calculating a 95 percent upper tolerance limit (UTL) for the area's corresponding background well, and (iii) comparing the UTL to data point found to be exceeding the 95 percent UCL as discussed in Section 2 of this memorandum. For the purposes of statistical calculations, non-detected values are to be substituted with a value of one-half the detection limit.

3.3 Scope of Monitoring Data

The work plan specifies that the last eight rounds of chemical monitoring data be assembled for a parameter at the appropriate background monitoring well. The respective background wells by area:

- CRA-14 for One Line Road North;
- MW-3 for One Line Road South;
- MW-3 for Two Line Road North; and
- MW-67 for the Space Leasing Area.

A UTL was calculated only for those parameters that had a LCL above its action level (refer to Section 2.4).

3.4 Results

The results of the UTL calculations are summarized in Tables 4A to 4D and exceedances of background tolerance limits are highlighted in boldface. There were no detected values at the background wells (CRA-14, MW-3, and MW-67). Therefore, the highest detection limit was taken as the UTL. The November 2002 monitoring results were compared to the calculated background UTLs and all were found to be above background UTLs.

3.5 Conclusions

Of the parameters and wells identified exceeding action levels using the confidence limit procedure in Section 2, all were found to be above background UTLs. These exceedances are for parameters that have previously been detected above action levels within the respective plumes, and occurred in either chemical trend or extraction wells. No parameters were found above action levels in boundary wells during the November 2002 monitoring event. Using the decision-making framework presented in Figure 5.1 of the contingency plan, the appropriate conclusion is to continue monitoring, with no further action required at present.

4.0 REFERENCE

CRA, November 2000. Groundwater Contingency Plan (Appendix B of the Operations, Maintenance and Monitoring Plan), Fisher-Calo Site.

TABLE 1

SUMMARY OF STATISTICAL TREND EVALUATION RESULTS
JANUARY 2003 ANNUAL PROGRESS REPORT
(NOVEMBER 2002 MONITORING EVENT)
FISHER-CALO SITE

Well	*Parameter*	*Number of Samples*			*CV*	*Calculated t value*	*Statistical Probability*	*Conclusion*
		Total	*Detected*	*Non-detect*				
CRA-24A	1,1-Dichloroethane	8	1	7	0.65	-0.3500	0.7347	NST[1]
CRA-24A	1,1-Dichloroethene	8	3	5	-2.08	-2.4520	0.0459	NST
CRA-24A	cis-1,2-Dichloroethene	8	1	7	0.65	-0.3500	0.7347	NST
CRA-24A	Trichloroethene	8	8	0	0.470	-4.4100	**0.0039**	**Decreasing[2]**
CRA-24A	Vinyl chloride	8	1	7	0.380	0.7085	0.5019	NST
CRA-24A	1,1,1-Trichloroethane	8	8	0	0.360	-3.8510	**0.0067**	**Decreasing[2]**
CRA-58	1,1-Dichloroethene	8	1	7	0.577	-0.3010	0.7727	NST
CRA-58	cis-1,2-Dichloroethene	8	1	7	0.534	0.1590	0.8784	NST
CRA-58	1,1,1-Trichloroethane	8	2	6	6.795	1.5210	0.1780	NST
CRA-58	Trichloroethene	8	4	4	-5.309	-1.4926	0.1838	NST

Notes:

Parameters with no detects in the last 8 monitoring events were not assessed for trends.

CV = Coefficient of Variation

[1] NST - No statistically significant trend (P>0.01).

[2] Decreasing - statistically significant decrease in concentration with time (P<0.01).

TABLE 2A

SUMMARY OF MONITORING DATA
ONE LINE ROAD NORTH
FISHER CALO SITE

	Background Well			Boundary Well			Boundary Well			Boundary Well			Boundary Well		
Analyte	*CRA-14*			*CRA-27B*			*CRA-31A*			*CRA-58*			*CRA-59*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds															
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	2	-5.310	8	0	ND
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	8	1	0.470	8	0	ND	8	0	ND	8	2	6.795	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds															
Acetone	8	0	ND	8	0	ND	8	1	0.674	8	0	ND	8	1	0.764
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	1	0.577	8	0	ND
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	1	0.534	8	0	ND
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2A

SUMMARY OF MONITORING DATA
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	Boundary Well CRA-60			Boundary Well CRA-64			Chemical Trend Well CRA-28			Chemical Trend Well CRA-42		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds												
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	8	0.295	8	8	0.466
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	2	0.612	8	8	1.11
Trichloroethene	8	0	ND	8	0	ND	8	8	0.225	8	8	0.530
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds												
Acetone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	1	0.713	8	2	0.65
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	8	0.796
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	7	1.928	8	8	0.560
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	8	0.294
1,1-Dichloroethene	8	0	ND	8	0	ND	8	6	3.476	8	8	0.414
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	5	0.778	8	8	0.726
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	5	0.87
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2A

SUMMARY OF MONITORING DATA
ONE LINE ROAD NORTH
FISHER CALO SITE

	Chemical Trend Well			*Extraction Well*			*Extraction Well*			*Extraction Well*		
Analyte	*MW-36*			*EW1N-1*			*EW1N-2*			*EW1N-4*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds												
1,1,1-Trichloroethane	8	8	0.502	8	8	0.135	8	8	0.195	8	3	-1.803
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	8	0.945	8	0	ND	8	6	0.583	8	0	ND
Trichloroethene	8	8	0.434	8	8	0.301	8	8	0.126	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds												
Acetone	8	1	0.54	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	3	0.523	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	8	0.721	8	8	0.156	8	8	0.448	8	0	ND
1,2-Dichloroethane	8	8	0.994	8	0	ND	8	7	0.273	8	0	ND
1,1-Dichloroethene	8	8	1.84	8	1	0.697	8	8	0.540	8	2	0.435
cis-1,2-Dichloroethene	8	8	0.971	8	8	0.172	8	8	0.503	8	5	0.722
1,2-Dichloropropane	8	8	0.457	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	1	0.714	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	8	0.184	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	1	-2.534	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	1	0.39	8	1	0.593	8	0	ND	8	0	ND
Xylene (total)	8	1	0.31	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2B

SUMMARY OF MONITORING DATA
ONE LINE ROAD SOUTH
FISHER CALO SITE

	Boundary Well			*Boundary Well*			*Boundary Well*			*Boundary Well*			*Boundary Well*			*Chemical Trend Well*		
Analyte	*CRA-23*			*CRA-24B*			*CRA-25*			*CRA-34A*			*CRA-34B*			*CRA-20A*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds																		
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.950
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.650
Trichloroethene	8	0	ND	8	2	0.549	8	0	ND	8	0	ND	8	0	ND	8	8	0.715
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.796
Volatile Organic Compounds																		
Acetone	8	0	ND	8	1	0.471	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.660
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	1	0.653	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.475
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	3	1.32
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.603
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	6	-3.085
1,1-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	1.37
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.86
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.736
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.790
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.745
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	7	1.108
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	4	0.744
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.998

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2B

SUMMARY OF MONITORING DATA
ONE LINE ROAD SOUTH
FISHER CALO SITE

	Chemical Trend Well			*Boundary Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*		
Analyte	*CRA-22A*			*CRA-24A*			*EW1S-1*			*EW1S-2*			*EW1S-3*			*EW1S-4*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds																		
1,1,1-Trichloroethane	8	8	0.172	8	8	0.360	8	8	0.377	8	8	0.137	8	8	0.135	8	8	0.212
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	2	0.430	8	2	0.647
trans-1,2-Dichloroethene	8	8	0.366	8	0	ND	8	8	0.327	8	8	0.440	8	0	ND	8	1	0.310
Trichloroethene	8	8	0.146	8	8	0.47	8	8	0.26	8	8	0.144	8	8	0.143	8	8	0.129
Vinyl chloride	8	0	ND	8	1	0.380	8	8	0.374	8	8	0.212	8	0	ND	8	0	ND
Volatile Organic Compounds																		
Acetone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	7	0.234	8	8	0.190	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	1	-1.24	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	8	0.60	8	0	ND	8	0	ND	8	8	0.245	8	8	0.208	8	8	0.520
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	8	0.136	8	1	0.563	8	8	0.292	8	8	0.181	8	8	0.351	8	8	0.135
1,2-Dichloroethane	8	0	ND	8	0	ND	8	8	0.286	8	6	0.42	8	0	ND	8	6	0.432
1,1-Dichloroethene	8	8	0.753	8	6	-2.078	8	3	-1.118	8	8	0.367	8	8	0.418	8	7	0.463
cis-1,2-Dichloroethene	8	8	0.325	8	1	0.653	8	8	0.356	8	8	0.143	8	8	0.232	8	8	0.105
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	2	0.387	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	3	0.457	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	8	0.325	8	0	ND	8	2	-1.59	8	8	0.236	8	8	0.178	8	8	0.163
Toluene	8	0	ND	8	0	ND	8	1	0.44	8	1	0.435	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	2	0.590	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	3	0.458	8	1	-0.93	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2C

SUMMARY OF MONITORING DATA
TWO LINE ROAD NORTH
FISHER CALO SITE

	Background Well			*Boundary Well*			*Boundary Well*			*Boundary Well*			*Boundary Well*		
Analyte	*MW-3*			*CRA-16B*			*CRA-48*			*MW-9*			*MW-25*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds															
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	8	0.247	8	0	ND	8	0	ND
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	1	0.534	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	8	0	ND	8	0	ND	8	0	ND	8	1	0.475	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds															
Acetone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	0	ND	8	4	0.757	8	0	ND	8	0	ND
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	1	0.713	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2C

SUMMARY OF MONITORING DATA
TWO LINE ROAD NORTH
FISHER CALO SITE

	Boundary Well			*Chemical Trend Well*			*Chemical Trend Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*		
Analyte	*MW-48*			*CRA-16A*			*CRA-33*			*EW2N-2*			*EW2N-3*			*EW2N-4*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds																		
1,1,1-Trichloroethane	8	0	ND	8	8	0.992	8	4	0.799	8	0	ND	8	2	0.581	8	4	2.792
Methylene chloride	8	0	ND	8	0	ND	8	5	0.68	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	1	0.401	8	8	0.405	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	8	0	ND	8	7	0.477	8	7	0.769	8	0	ND	8	0	ND	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	8	0.30	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds																		
Acetone	8	0	ND	8	1	0.539	8	7	0.868	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	8	0.307	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	2	1.303	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	8	0.584	8	8	0.895	8	0	ND	8	0	ND	8	8	0.451
1,2-Dichloroethane	8	0	ND	8	0	ND	8	8	0.593	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	8	0.64	8	7	0.571	8	0	ND	8	0	ND	8	5	0.7
cis-1,2-Dichloroethene	8	0	ND	8	8	0.539	8	8	0.698	8	0	ND	8	0	ND	8	8	0.637
1,2-Dichloropropane	8	0	ND	8	0	ND	8	8	0.402	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	7	0.82	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	8	0.51	8	1	-2.051	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	8	0.68	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2D

SUMMARY OF MONITORING DATA
SPACE LEASING AREA
FISHER CALO SITE

	Background Well			*Boundary Well*			*Background Well*			*Boundary Well*			*Boundary Well*		
	MW-67			*CRA-39B*			*CRA-55*			*CRA-57*			*CRA-61*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds															
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	8	0.277	8	0	ND	8	0	ND
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	8	0	ND	8	0	ND	8	1	0.853	8	1	-5.2	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds															
Acetone	8	0	ND	8	1	0.471	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	8	0.848	8	0	ND	8	0	ND
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	0	ND	8	8	0.375	8	0	ND	8	0	ND
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	8	0.541	8	0	ND	8	1	0.421
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2D

SUMMARY OF MONITORING DATA
SPACE LEASING AREA
FISHER CALO SITE

	Chemical Trend Well			*Chemical Trend Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*		
	CRA-39			*CRA-54*			*EWSL-1*			*EWSL-2*			*EWSL-3*			*EWSL-4*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds																		
1,1,1-Trichloroethane	8	8	0.221	8	8	0.374	8	8	0.433	8	8	0.15	8	0	ND	8	1	0.421
Methylene chloride	8	2	0.452	8	5	2.881	8	5	0.585	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	8	0.331	8	8	0.248	8	8	0.13	8	8	0.430	8	0	ND	8	5	0.64
Trichloroethene	8	8	0.352	8	1	-2.156	8	8	0.330	8	8	0.297	8	0	ND	8	1	0.527
Vinyl chloride	8	0	ND	8	2	-3.819	8	0	ND	8	0	ND	8	0	ND	8	3	0.308
													8					
Volatile Organic Compounds													8					
Acetone	8	2	1.636	8	1	2.295	8	0	ND	8	4	1.075	8	0	ND	8	1	0.471
Benzene	8	3	0.958	8	0	ND	8	3	0.913	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	1	-0.906	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	8	0.34	8	8	0.443	8	8	0.299	8	8	0.2	8	0	ND	8	8	0.229
1,2-Dichloroethane	8	0	ND	8	2	-3.338	8	3	0.845	8	0	ND	8	0	ND	8	3	0.492
1,1-Dichloroethene	8	6	0.31	8	7	0.418	8	8	0.204	8	8	0.708	8	0	ND	8	3	0.551
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,2-Dichloroethene	8	8	0.294	8	8	0.24	8	8	0.283	8	8	0.3	8	4	0.651	8	8	0.491
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	8	0.185	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	8	0.348	8	0	ND	8	0	ND	8	3	-7.344	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	8	3.953	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 3A
99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	Units	Action Level	Source	Background Well CRA-14		Boundary Well CRA-27B		Boundary Well CRA-31A		Boundary Well CRA-58		Boundary Well CRA-59		Boundary Well CRA-60	
				# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL
Site Specific Compounds															
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	ND	8	ND	8	-2.20	8	ND	8	ND
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Trichloroethene	µg/L	5	SOW	8	0.17	8	ND	8	ND	8	-2.02	8	ND	8	ND
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Volatile Organic Compounds															
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	0.61	8	ND	8	0.36	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	ND	8	0.14	8	ND	8	ND
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	ND	8	0.17	8	ND	8	ND
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LCL not calculated.

"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.

Bold font indicates exceedance of action level.

TABLE 3A
99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	Units	Action Level	Source	Boundary Well CRA-64 # Samples	Boundary Well CRA-64 LCL	Chemical Trend Well CRA-28 # Samples	Chemical Trend Well CRA-28 LCL	Chemical Trend Well CRA-42 # Samples	Chemical Trend Well CRA-42 LCL	Chemical Trend Well MW-36 # Samples	Chemical Trend Well MW-36 LCL	Extraction Well EW1N-1 # Samples	Extraction Well EW1N-1 LCL	Extraction Well EW1N-2 # Samples	Extraction Well EW1N-2 LCL	Extraction Well EW1N-4 # Samples	Extraction Well EW1N-4 LCL
Site Specific Compounds																	
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	51.30	8	163.48	8	45.80	8	16.50	8	18.45	8	-1.80
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	0.19	8	-0.21	8	-0.01	8	0.19	8	0.18	8	ND
Trichloroethene	µg/L	5	SOW	8	ND	8	**751.34**	8	**520.90**	8	**93.16**	8	**36.49**	8	**63.72**	8	ND
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Volatile Organic Compounds																	
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	0.09	8	0.12	8	ND	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	0.36	8	0.24	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	-0.56	8	11.76	8	5.74	8	0.76	8	1.08	8	ND
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	**12.66**	8	-0.53	8	ND	8	1.40	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	-0.68	8	6.52	8	-0.56	8	0.12	8	0.53	8	0.18
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	0.36	8	**90.18**	8	-7.71	8	0.52	8	9.65	8	0.29
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	0.09	8	0.55	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	0.38	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	**7.91**	8	0.19	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	-2.33	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	0.05	8	0.23	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	0.20	8	ND	8	ND	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LC

"--" - Less than 4 samples collected. Lower Confidence Limit n

Bold font indicates exceedance of action level.

TABLE 3B

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte		Action		Background Well CRA-23		Boundary Well CRA-24A		Boundary Well CRA-24B		Boundary Well CRA-25		Boundary Well CRA-34A		Boundary Well CRA-34B		Chemical Trend Well CRA-20A		Chemical Trend Well CRA-22A	
	Units	Level	Source	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL	# Samples	LCL
Site Specific Compounds																			
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	1.89	8	ND	8	ND	8	ND	8	ND	8	-1.35	8	96.12
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	15.13	8	0.77
Trichloroethene	µg/L	5	SOW	8	ND	8	1.41	8	0.17	8	ND	8	ND	8	ND	8	1.74	8	**110.71**
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**13.94**	8	ND
Volatile Organic Compounds																			
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	0.75	8	ND	8	ND	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.27	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	0.13	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.18	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.65	8	1.32
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	0.09	8	ND	8	ND	8	ND	8	ND	8	371.88	8	40.65
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-1.51	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	-0.11	8	ND	8	ND	8	ND	8	ND	8	0.60	8	0.59
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	0.09	8	ND	8	ND	8	ND	8	ND	8	**142.29**	8	8.95
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.61	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	8.55	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.59	8	4.41
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.70	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.21	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-2.66	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LCL not calculated.

"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.

Bold font indicates exceedance of action level.

TABLE 3B

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Extraction Well EW1S-1* # Samples	*EW1S-1* LCL	*Extraction Well EW1S-2* # Samples	*EW1S-2* LCL	*Extraction Well EW1S-3* # Samples	*EW1S-3* LCL	*Extraction Well EW1S-4* # Samples	*EW1S-4* LCL
Site Specific Compounds											
1,1,1-Trichloroethane	µg/L	200	SOW	8	13.73	8	75.30	8	100.74	8	24.97
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	0.28	8	0.14
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	7.79	8	29.19	8	ND	8	0.20
Trichloroethene	µg/L	5	SOW	8	1.69	8	**71.11**	8	**114.57**	8	**5.28**
Vinyl chloride	µg/L	2	SOW	8	**9.89**	8	**69.09**	8	ND	8	ND
Volatile Organic Compounds											
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	0.46	8	0.80	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	-2.09	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	0.58	8	8.53	8	24.97
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	112.22	8	392.08	8	7.22	8	14.08
1,2-Dichloroethane	µg/L	5	PMCL	8	**7.40**	8	0.84	8	ND	8	0.34
1,1-Dichloroethene	µg/L	7	PMCL	8	-0.16	8	2.52	8	3.57	8	1.00
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	53.45	8	**357.54**	8	3.35	8	5.43
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	0.20	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	0.36	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	-1.58	8	4.43	8	**7.32**	8	**21.04**
Toluene	µg/L	1000	PMCL	8	0.18	8	0.18	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	0.18	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	0.22	8	-0.07	8	ND	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LCL nc

"--" - Less than 4 samples collected. Lower Confidence Limit not ca

Bold font indicates exceedance of action level.

TABLE 3C

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
TWO LINE ROAD NORTH
FISHER CALO SITE

				Background Well		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Chemical Trend Well*		*Chemical Trend Well*	
Analyte		*Action*		*MW-3*		*CRA-16B*		*CRA-48*		*MW-9*		*MW-25*		*MW-48*		*CRA-16A*		*CRA-33*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds																			
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	ND	8	33.71	8	ND	8	ND	8	ND	8	-0.479	8	0.147
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	0.166	8	ND	8	ND	8	ND	8	0.558
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.168	8	15.094
Trichloroethene	µg/L	5	SOW	8	ND	8	ND	8	ND	8	0.183	8	ND	8	ND	8	1.23	8	0.221
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**3.679**
Volatile Organic Compounds																			
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.696	8	0.294
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**13.404**
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.603
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.236	8	14.079
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**20.464**
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	0.15	8	ND	8	ND	8	ND	8	1.158	8	0.182
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	0.19	8	ND	8	ND	8	ND	8	5.226	8	54.897
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.52
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	97.271
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	0.18	8	0.092	8	ND	8	ND	8	ND	8	ND	8	**55.16**	8	-1.95
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	100.89
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not calculated.
"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.
Bold font indicates exceedance of action level.

TABLE 3C

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
TWO LINE ROAD NORTH
FISHER CALO SITE

				Extraction Well		*Extraction Well*		*Extraction Well*	
Analyte		*Action*		*EW2N-2*		*EW2N-3*		*EW2N-4*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds									
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	0.158	8	-1.71
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND
Trichloroethene	µg/L	5	SOW	8	ND	8	ND	8	ND
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND
Volatile Organic Compounds									
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	1.364
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	0.231
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	4.366
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not calc
"--" - Less than 4 samples collected. Lower Confidence Limit not calculat
Bold font indicates exceedance of action level.

TABLE 3D

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
SPACE LEASING AREA
FISHER CALO SITE

				Background Well		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Chemical Trend Well*	
Analyte		*Action*		*MW-67*		*CRA-39B*		*CRA-55*		*CRA-57*		*CRA-61*		*CRA-39*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds															
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	ND	8	77.31	8	ND	8	ND	8	18.85
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.19
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.22
Trichloroethene	µg/L	5	SOW	8	ND	8	ND	8	0.05	8	-1.82	8	ND	8	**236.12**
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Volatile Organic Compounds															
Acetone	µg/L	3500	DWEL	8	ND	8	0.75	8	0.64	8	ND	8	ND	8	-0.53
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.01
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	0.79	8	ND	8	ND	8	38.04
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	2.76	8	ND	8	ND	8	1.21
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	0.38	8	ND	8	0.20	8	**185.82**
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	4.66
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	ND	8	ND	8	**10.38**
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not calculated.
"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.
Bold font indicates exceedance of action level.

TABLE 3D

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
SPACE LEASING AREA
FISHER CALO SITE

				Chemical Trend Well		*Extraction Well*		*Extraction Well*		*Extraction Well*		*Extraction Well*	
Analyte		*Action*		*CRA-54*		*EWSL-1*		*EWSL-2*		*EWSL-3*		*EWSL-4*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds													
1,1,1-Trichloroethane	µg/L	200	SOW	8	133.92	8	0.92	8	**222.98**	8	ND	8	0.20
Methylene chloride	µg/L	5	SOW	8	-0.83	8	0.42	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	16.13	8	7.04	8	1.22	8	ND	8	0.30
Trichloroethene	µg/L	5	SOW	8	-2.09	8	**9.75**	8	**48.16**	8	ND	8	0.15
Vinyl chloride	µg/L	2	SOW	8	-1.79	8	ND	8	ND	8	ND	8	0.31
Volatile Organic Compounds													
Acetone	µg/L	3500	DWEL	8	-0.90	8	ND	8	-0.20	8	ND	8	0.75
Benzene	µg/L	5	PMCL	8	ND	8	0.03	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	194.68	8	105.03	8	45.31	8	ND	8	77.01
1,2-Dichloroethane	µg/L	5	PMCL	8	-1.77	8	0.09	8	ND	8	ND	8	0.18
1,1-Dichloroethene	µg/L	7	PMCL	8	**7.70**	8	1.80	8	3.00	8	ND	8	0.17
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	**982.87**	8	**263.04**	8	**128.58**	8	0.18	8	25.77
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	-2.00	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	-0.77	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not cal
"--" - Less than 4 samples collected. Lower Confidence Limit not calcula
Bold fon: indicates exceedance of action level.

TABLE 4A

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*Nov-02 Results(3) (ug/L)*
Trichloroethene	5	ND (1.0)	CRA-28	CT	**670**
			CRA-42	CT	**1400**
			MW-36	CT	**100**
			EW1N-1	E	**39**
			EW1N-2	E	**64**
cis-1,2-Dichloroethene	70	ND (1.0)	CRA-42	CT	**430**
1,2-Dichloroethane	5	ND (1.0)	CRA-42	CT	**18**
Tetrachloroethene	5	ND (1.0)	MW-36	CT	**9.5**

Notes:

(1) Background well for One Line Road North is CRA-14
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 4B

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*Nov-02 Results(3) (ug/L)*
Trichloroethene	5	ND (1.0)	CRA-22A	CT	**120**
			EW1S-2	E	**78**
			EW1S-3	E	**140**
			EW1S-4	E	**5.5**
Vinyl Chloride	2	ND (1.0)	EW1S-1	E	**10**
			EW1S-2	E	**69**
			CRA-20A	CT	**42**
1,2-Dichloroethane	5	ND (1.0)	EW1S-1	E	**6.2**
cis-1,2-Dichloroethene	70	ND (1.0)	EW1S-2	E	**360**
			CRA-20A	CT	**880**
Tetrachloroethene	5	ND (1.0)	EW1S-3	E	**12**
			EW1S-4	E	**22**

Notes:
(1) Background well for One Line Road South is MW-3
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 4C

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
TWO LINE ROAD NORTH
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*Nov-02 Results(3) (ug/L)*
Benzene	5	ND (1.0)	CRA-33	CT	**17**
1,2-Dichloroethane	5	ND (1.0)	CRA-33	CT	**56**
Tetrachloroethene	5	ND (1.0)	CRA-16A	CT	**52**
Vinyl Chloride	2	ND (1.0)	CRA-33	CT	**6.3**

Notes:

(1) Background well for Two Line Road North is MW-3
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 4D

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
SPACE LEASING AREA
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*Nov-02 Results(3) (ug/L)*
1,1,1-Trichloroethane	200	ND(1.0)	EWSL-2	E	**240**
Trichloroethene	5	ND(1.0)	CRA-39	CT	**460**
			EWSL-1	E	**12**
			EWSL-2	E	**87**
cis-1,2-Dichloroethene	70	ND(1.0)	CRA-39	CT	**260**
			CRA-54	CT	**940**
			EWSL-1	E	**300**
			EWSL-2	E	**290**
Tetrachloroethane	5	ND(1.0)	CRA-39	CT	**27**
1,1- Dichloroethene	7	ND(1.0)	CRA-54	CT	6.60

Notes:

(1) Background well for Space Leasing Area is MW-67
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 5A
SUMMARY OF ACTION LEVEL EXCEEDANCES
ONE LINE ROAD NORTH
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*Nov-02 Results (ug/L)*
Trichloroethene	µg/L	5	SOW	CRA-28	8	***751.34***	**670**
			SOW	CRA-42	8	***520.9***	**1400**
			SOW	MW-36	8	***93.16***	**100**
			SOW	EW1N-1	8	***36.49***	**39**
			SOW	EW1N-2	8	***63.72***	**64**
cis-1,2-Dichloroethene	µg/L	70	SOW	CRA-42	8	***90.18***	**430**
1,2-Dichloroethane	µg/L	5	PMCL	CRA-42	8	***12.66***	**18**
Tetrachloroethene	µg/L	5	PMCL	MW-36	8	***7.91***	**9.5**

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
LCL - Lower Confidence Limit (99% probability)
Bold font indicates exceedance of action level

TABLE 5B
SUMMARY OF ACTION LEVEL EXCEEDANCES
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*Nov-02 Results*
Trichloroethene	µg/L	5	SOW	CRA-22A	8	*110.71*	**120**
			SOW	EW1S-2	8	*71.11*	**78**
			SOW	EW1S-3	8	*114.57*	**140**
			IWQS	EW1S-4	8	*5.28*	**5.5**
Vinyl Chloride	µg/L	2	SOW	EW1S-1	8	*9.89*	**10**
			SOW	EW1S-2	8	*69.09*	**69**
			SOW	CRA-20A	8	*13.94*	**42**
1,2-Dichloroethane	µg/L	5	PMCL	EW1S-1	8	*7.4*	**6.2**
cis-1,2-Dichloroethene	µg/L	70	IWQS-2	EW1S-2	8	*357.54*	**360**
			SOW	CRA-20A	8	*142.29*	**880**
Tetrachloroethene	µg/L	5	IWQS	EW1S-3	8	*7.32*	**22**
			SOW	EW1S-4	8	**21.04**	**12**

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
IWQS - State of Indiana Water Quality Standard (Title-327-IAC)
IWQS-2 - Action Level for this parameter represents the sum of the dichloropropene detections including; 1,2 dichloropropene and 1,3 dichloropropene (cis- and trans- isomers)
LCL - Lower Confidence Limit (99% probability)
Bold font indicates exceedance of action level

TABLE 5C
SUMMARY OF ACTION LEVEL EXCEEDANCES
TWO LINE ROAD NORTH
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*Nov-02 Results*
Benzene	µg/L	5	PMCL	CRA-33	8	***13.4***	**17**
1,2-Dichloroethane	µg/L	5	PMCL	CRA-33	8	***20.46***	**56**
Tetrachloroethene	µg/L	5	IWQS	CRA-16A	8	***55.16***	**52**
Vinyl Chloride	µg/L	2	PMCL	CRA-33	8	***3.68***	**6.3**

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
IWQS - State of Indiana Water Quality Standard (Title-327-IAC)
LCL - Lower Confidence Limit (99% probability)
*-**Bold** font indicates exceedance of action level

TABLE 5D
SUMMARY OF ACTION LEVEL EXCEEDANCES
SPACE LEASING
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*Nov-02 Results*
Trichloroethene	µg/L	5	SOW	CRA-39	8	***236.12***	**460**
			SOW	EWSL-1	8	***9.75***	**12**
			SOW	EWSL-2	8	***48.16***	**87**
cis-1,2-Dichloroethene	µg/L	70	PMCL	CRA-39	8	***185.82***	**260**
			PMCL	CRA-54	8	***982.87***	**940**
			PMCL	EWSL-1	8	***263.04***	**300**
			PMCL	EWSL-2	8	***128.58***	**290**
1,1,1-Trichloroethane	µg/L	200	SOW	EWSL-2	8	***222.98***	***240***
Tetrachloroethane	µg/L	5	PMCL	CRA-39	8	**10.38**	**27**
1,1- Dichloroethene	µg/L	7	PMCL	CRA-54	8	**7.696**	6.6

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
IWQS - State of Indiana Water Quality Standard (Title-327-IAC)
LCL - Lower Confidence Limit (99% probability)
Bold font indicates exceedance of action level

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Date: June 6, 2003

INTEROFFICE MEMORANDUM

To: Wei-Lin Feng
Dale Ellingson

From: Aravind Marella

Subject: **STATISTICAL EVALUATION OF GROUNDWATER MONITORING RESULTS MAY 2003 MONITORING EVENT FISHER-CALO SITE KINGSBURY, INDIANA**

This memo details the findings of statistical evaluation of groundwater monitoring data following the May 2003 sampling event at the Fisher-Calo site (Site). As specified in the Site's Groundwater Contingency Plan (Appendix B of the Operations, Maintenance and Monitoring Plan, CRA, May 2000), groundwater monitoring data is to be evaluated using a series of statistical procedures (Attachments A, B and C of the Contingency Plan). This memo presents the findings of each statistical procedure in three separate sections (trend analyses, confidence limit analyses and background tolerance limit analyses).

1.0 TREND ANALYSIS

1.1 Introduction

The Site groundwater extraction systems adjacent to Travis Ditch (One Line Road North and One Line Road South) each have a historically-impacted monitoring well between the groundwater extraction system and Travis Ditch. These monitoring wells are CRA-58 (One Line Road North) and CRA-24A (One Line Road South). For these monitoring wells, observing reducing or non-discernible trends in constituent concentrations verify containment of the plume. This section details the findings of the trend evaluations of groundwater constituents at CRA-58 and CRA-24A following the fourteenth groundwater monitoring event (May 2003).

1.2 Statistical Methodology

The trend evaluation methodology is outlined in Attachment A of the Groundwater Contingency Plan (Appendix B of the Operations, Maintenance and Monitoring Plan, CRA, May 2000) for the Site. The trend evaluation consists of the following steps:

1) Assembling data for all parameters from the eight most recent monitoring events;

2) Assessing the data distribution of these eight results for each parameter;

3) Calculating a linear regression line (least squares best fit line); and

4) Testing the significance (at α=0.99 significance) of the linear regression line using a *t*-test.

If the results of the *t*-test indicate that a significant increasing trend is present, then the action level has been exceeded and the plume has not been contained. Otherwise, containment of the plume has been achieved.

Field duplicate results were averaged prior to carrying out the statistical analyses. Non-detect results were substituted with a value of one-half the detection limit. The statistical calculations performed in this trend evaluation were performed using Microsoft Excel®.

1.3 Scope of Data

To date fourteen groundwater monitoring events have occurred under the long-term groundwater monitoring program. The data used for the trend evaluation consisted of results from the eight most recent monitoring events (i.e. May 2003 event was added and June 1999 event was dropped). The eight events used are as follows.

May 2003	June 2001
November 2002	November 2000
May 2002	June 2000
November 2001	February 2000

A listing of these monitoring results is provided in Table I.1 thru I.4 of this memorandum

For the purposes of the trend evaluation, those monitored parameters for which no detections have been observed during the eight most recent monitoring events were not considered. The trend analysis is described below.

1.4 Results of Trend Evaluation

A summary of statistical trend evaluation results is provided in Table 1. Of the 32 parameters monitored at the Site, only four were detected at least once at CRA-24A during the last eight monitoring events. Similarly, only three parameters were detected at CRA-58. No statistically significant ($P<0.01$) increases in chemical concentrations were detected for any monitored parameters at CRA-24A or CRA-58. A statistically significant ($P<0.01$) decreasing trend was observed at CRA-24A for TCE and 1,1,1-TCA.

1.5 Conclusions

The statistical trend analysis has determined that there is no evidence of increasing trends in chemical concentrations at either CRA-24A or CRA-58. A statistically significant decreasing trend was observed at CRA-24A for TCE 1,1,1-TCA. All analytical parameters at both wells either had no detections during the last eight monitoring events, or do not exhibit statistically significant increasing

trends with time. These findings are consistent with containment of the contaminant plume by the ground water extraction system. During the last eight monitoring events, previously detected analyte parameters 1,1-DCA and 1,1-DCE at the wells CRA 24A and CRA-58 respectively, have non-detect (ND) values. So these parameters were not assessed for statistical trend evaluation for this annual report.

2.0 99 PERCENT CONFIDENCE LIMIT ANALYSIS

2.1 Introduction

In the "Flow Chart of Evaluation Tasks for Chemical Monitoring Networks – Fisher-Calo Site" (Figure 5.1 of the Groundwater Contingency Plan), the first task in the statistical evaluation process is to compare the 99 percent confidence limits of each constituent to their respective action level. A copy of Figure 5.1 is attached to this memo. The findings of these comparisons are presented in this section and the results are summarized in Tables 2A-2D and 3A-3D.

For monitored parameters that have confidence limits above the respective action level, the next evaluation task is to compare each measurement against a 95 percent upper tolerance limit for the background results. This task is detailed in Section 3 of this memorandum and the results are summarized in Tables 4A-4D.

2.2 Statistical Methodology

The methodology used to compare the 99 percent confidence limits (CLs) is outlined in Attachment B of the Groundwater Contingency Plan. The process consists of (i) checking the distribution of the data, (ii) calculating a 99 percent lower confidence limit (LCL) of the mean concentration, and (iii) comparing the LCL to the action level. This process was performed for each constituent at each well, For the purposes of statistical calculations, non-detected values were substituted with a value of one-half the detection limit.

The confidence limit calculations were carried out using Microsoft Excel spreadsheet

2.3 Scope of Monitoring Data

The Groundwater Contingency Plan specifies that a minimum of the previous four rounds of chemical monitoring data be used to calculate a 99 percent LCL. All parameters at wells that were sampled in the May 2003 monitoring were included in the statistical analyses. Calculations were performed using the last eight rounds of data contained in the Site database. Table I presents the results of the last eight rounds of groundwater monitoring.

2.4 Results

The number of samples, number of detects and coefficient of variation (CV) are presented in four tables, corresponding to four areas at the Site which are: (i) One Line Road North (Table 2A); (ii)

One Line Road South (Table 2B); (iii) Two Line Road North (Table 2C); and (iv) Space Leasing Area (Table 2D). The calculated 99 percent LCL values are presented in Tables 3A through 3D. These values were compared to the corresponding action level for each constituent. Any LCL that exceeded the corresponding action level was highlighted in boldface. The parameters that were found to be above action levels at one or more wells include: benzene, 1,2-DCA, cis-1,2-DCE, PCE, and 1,1-DCE, TCE, 1,1,2-TCA and VC.

One Line Road North LCL Exceedances

CRA-28 (CT)	TCE
CRA-42 (CT)	TCE, 1,2-DCA, cis-1,2-DCE
MW-36 (CT)	TCE, PCE
EW1N-1 (E)	TCE
EW1N-2 (E)	TCE

One Line Road South LCL Exceedances

CRA-20A (CT)	VC
CRA-22A (CT)	TCE
EW1S-1 (E)	VC, 1,2-DCA
EW1S-2 (E)	VC, TCE, cis-1,2-DCE
EW1S-3 (E)	TCE, PCE
EW1S-4 (E)	PCE

Two Line Road North LCL Exceedances

CRA-16A (CT)	PCE
CRA-33 (CT)	BENZENE, 1,2-DCA, VC

Space Leasing LCL Exceedances

CRA-39 (CT)	TCE, cis-1,2-DCE, PCE
CRA-54 (CT)	cis-1,2-DCE, 1,1-DCE
EWSL-1 (E)	TCE, cis-1,2-DCE
EWSL-2 (E)	TCE, cis-1,2-DCE

2.5 Conclusions

Using the confidence limit analysis, a number of parameters were found to be above their respective action levels at different wells within the delineated contaminant plumes. **No parameters were detected above action levels in boundary monitoring wells during the May 2003 monitoring**

event. The chemicals which exhibited at least one exceedance within the contaminant plumes include benzene, TCE, 1,2-DCA, cis-1,2-DCE, PCE, VC, and 1,1-DCE.

The wells with contaminants exceeding the LCL action levels are presented on Figures 1 thru 4 of this attachment. A summary of the LCL action level exceedances and the corresponding May 2003 results are presented in Tables 5A-5D.

For parameters exceeding LCL action levels, a background 95 percent tolerance interval analysis is prescribed in the Groundwater Contingency Plan. These subsequent analyses are detailed in Section 3.

3.0 95 PERCENT BACKGROUND TOLERANCE INTERVAL ANALYSES

3.1 95 Percent Tolerance Interval Background Procedure

As outlined in Figure 5.1 of the contingency plan, if the 99 percent LCL is found to be above the action level, then the next step is to calculate the 95 percent upper tolerance limit (UTL) using data from the background well corresponding to the site area. LFR conducted the background analysis according to Attachment C of the Groundwater Contingency Plan for those parameters identified in Section 2 of this memo with LCLs exceeding the respective action level.

3.2 Statistical Methodology

The methodology used to compare the 95 percent tolerance limits (TLs) is outlined in Attachment C of the Groundwater Contingency Plan. The process consists of (i) checking the distribution of the data, (ii) calculating a 95 percent upper tolerance limit (UTL) for the area's corresponding background well, and (iii) comparing the UTL to data point found to be exceeding the 95 percent UCL as discussed in Section 2 of this memorandum. For the purposes of statistical calculations, non-detected values are to be substituted with a value of one-half the detection limit.

3.3 Scope of Monitoring Data

The work plan specifies that the last eight rounds of chemical monitoring data be assembled for a parameter at the appropriate background monitoring well. The respective background wells by area:

- CRA-14 for One Line Road North;
- MW-3 for One Line Road South;
- MW-3 for Two Line Road North; and
- MW-67 for the Space Leasing Area.

A UTL was calculated only for those parameters that had a LCL above its action level (refer to Section 2.4).

3.4 Results

The results of the UTL calculations are summarized in Tables 4A to 4D and exceedances of background tolerance limits are highlighted in boldface. There were no detected values at the background wells (CRA-14, MW-3, and MW-67). Therefore, the highest detection limit was taken as the UTL. The May 2003 monitoring results were compared to the calculated background UTLs and all were found to be above background UTLs. During May 2003 sampling event, the WELL CRA-14 could not be sampled due to unavailability of water for the bladder pump at its depth. Assessing the trend of historical analytical data of each parameter at this well, it can be assumed that the well has no exceedances at this time.

3.5 Conclusions

Of the parameters and wells identified exceeding action levels using the confidence limit procedure in Section 2, all were found to be above background UTLs. These exceedances are for parameters that have previously been detected above action levels within the respective plumes, and occurred in either chemical trend or extraction wells. No parameters were found above action levels in boundary wells during the May 2003 monitoring event. Using the decision-making framework presented in Figure 5.1 of the contingency plan, the appropriate conclusion is to continue monitoring, with no further action required at present.

4.0 REFERENCE

CRA, November 2000. Groundwater Contingency Plan (Appendix B of the Operations, Maintenance and Monitoring Plan), Fisher-Calo Site.

TABLE 1

SUMMARY OF STATISTICAL TREND EVALUATION RESULTS
AUGUST 2003 ANNUAL PROGRESS REPORT
(MAY 2003 MONITORING EVENT)
FISHER-CALO SITE

Well	*Parameter*	*Number of Samples*			*CV*	*Calculated t value*	*Statistical Probability*	*Conclusion*
		Total	*Detected*	*Non-detect*				
CRA-24A	1,1-Dichloroethene	8	2	6	0.91	-1.7000	0.1400	NST
CRA-24A	Trichloroethene	8	8	0	0.309	-3.6300	**0.0087**	**Decreasing**[(2)]
CRA-24A	1,1,1-Trichloroethane	8	8	0	0.383	-3.9100	**0.0061**	**Decreasing**[(2)]
CRA-24A	Vinyl chloride	8	1	7	0.184	0.4040	0.7010	NST
CRA-58	cis-1,2-Dichloroethene	8	1	7	0.534	-0.1490	0.1838	NST
CRA-58	1,1,1-Trichloroethane	8	2	6	-7.010	-2.3960	0.1206	NST
CRA-58	Trichloroethene	8	3	5	5.213	-2.3350	0.0532	NST

Notes:

Parameters with no detects in the last 8 monitoring events were not assessed for trends.

CV = Coefficient of Variation

(1) NST - No statistically significant trend (P>0.01).

(2) Decreasing - statistically significant decrease in concentration with time (P<0.01).

TABLE 2A

SUMMARY OF MONITORING DATA
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	Background Well CRA-14			Boundary Well CRA-27B			Boundary Well CRA-31A			Boundary Well CRA-58			Boundary Well CRA-59		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds															
1,1,1-Trichloroethane	7	0	ND	8	0	ND	8	0	ND	8	2	-7.010	8	0	ND
Methylene chloride	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	7	1	0.470	8	0	ND	8	0	ND	8	4	5.213	8	0	ND
Vinyl chloride	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds															
Acetone	7	0	ND	8	0	ND	8	1	0.589	8	0	ND	8	1	0.679
Benzene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,2-Dichloroethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	7	0	ND	8	0	ND	8	0	ND	8	1	ND	8	0	ND
cis-1,2-Dichloroethene	7	0	ND	8	0	ND	8	0	ND	8	0	0.534	8	0	ND
1,2-Dichloropropane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	7	0	ND	8	1	0.797	8	0	ND	8	0	ND	8	0	ND
Toluene	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	7	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2A

SUMMARY OF MONITORING DATA
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	Boundary Well CRA-60			Boundary Well CRA-64			Chemical Trend Well CRA-28			Chemical Trend Well CRA-42		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds												
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	8	0.327	8	8	0.446
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	2	-2.087	8	8	0.91
Trichloroethene	8	0	ND	8	0	ND	8	8	0.225	8	8	0.500
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds												
Acetone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	2	-1.43
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	7	0.700
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	2	1.975	8	8	0.553
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	8	0.305
1,1-Dichloroethene	8	0	ND	8	0	ND	8	5	0.974	8	8	0.471
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	5	0.823	8	8	0.684
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	2	-1.436
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	4	0.81
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2A

SUMMARY OF MONITORING DATA
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	Chemical Trend Well MW-36			Extraction Well EW1N-1			Extraction Well EW1N-2			Extraction Well EW1N-4		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds												
1,1,1-Trichloroethane	8	8	0.501	8	8	0.207	8	8	0.210	8	3	0.996
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	8	1.326	8	1	0.370	8	5	0.510	8	0	ND
Trichloroethene	8	8	0.435	8	8	0.299	8	8	0.118	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds												
Acetone	8	2	0.49	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	1	0.653	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	4	0.434	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	1	0.653	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	8	0.752	8	8	0.155	8	8	0.443	8	0	ND
1,2-Dichloroethane	8	8	0.796	8	0	ND	8	8	0.288	8	0	ND
1,1-Dichloroethene	8	8	4.80	8	3	0.593	8	8	0.568	8	2	0.421
cis-1,2-Dichloroethene	8	8	0.215	8	8	0.178	8	8	0.496	8	5	0.568
1,2-Dichloropropane	8	7	0.386	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	1	0.648	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	8	0.205	8	1	0.713	8	0	ND	8	0	ND
Toluene	8	0	ND	8	1	-2.885	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	2	0.36	8	1	0.537	8	1	0.350	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2B

SUMMARY OF MONITORING DATA
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte	Boundary Well CRA-23			Boundary Well CRA-24B			Boundary Well CRA-25			Boundary Well CRA-34A			Boundary Well CRA-34B			Chemical Trend Well CRA-20A		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds																		
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.984
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.591
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.692
Trichloroethene	8	0	ND	8	2	0.494	8	0	ND	8	0	ND	8	0	ND	8	8	0.787
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.302
Volatile Organic Compounds																		
Acetone	8	0	ND	8	1	0.446	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	7	0.743
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.591
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.433
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	4	-20.50
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.591
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.772
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	6	-2.656
1,1-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.95
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.93
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	7	0.778
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	8	0.859
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.764
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	7	0.898
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	6	2.450
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	3	0.691
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	6	0.910

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2B

SUMMARY OF MONITORING DATA
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte	Chemical Trend Well CRA-22A			Boundary Well CRA-24A			Extraction Well EW1S-1			Extraction Well EW1S-2			Extraction Well EW1S-3			Extraction Well EW1S-4		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds																		
1,1,1-Trichloroethane	8	8	0.231	8	8	0.383*	8	8	0.411	8	8	0.151	8	8	0.115	8	8	0.226
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	1	0.204	8	2	0.364
trans-1,2-Dichloroethene	8	8	0.377	8	0	ND	8	8	0.352	8	8	0.425	8	0	ND	8	2	0.309
Trichloroethene	8	8	0.198	8	8	0.496*	8	8	0.27	8	8	0.134	8	8	0.126	8	8	0.131
Vinyl chloride	8	0	ND	8	1	0.380	8	8	0.428	8	8	0.162	8	0	ND	8	0	ND
Volatile Organic Compounds																		
Acetone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	6	0.245	8	7	0.940	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	8	0.54	8	0	ND	8	0	ND	8	7	-15.462	8	8	0.263	8	8	0.531
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	8	0.170	8	0	ND	8	8	0.344	8	8	0.177	8	8	0.284	8	8	0.132
1,2-Dichloroethane	8	0	ND	8	0	ND	8	8	0.336	8	7	0.58	8	0	ND	8	6	0.330
1,1-Dichloroethene	8	8	0.738	8	2	0.909	8	2	-0.966	8	7	0.177	8	8	0.432	8	7	0.492
cis-1,2-Dichloroethene	8	8	0.399	8	0	ND	8	8	0.407	8	8	0.128	8	8	0.192	8	8	0.102
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	1	-1.529	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	8	0.375	8	0	ND	8	0	ND	8	8	0.232	8	8	0.170	8	8	0.169
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	2	0.412	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2C

SUMMARY OF MONITORING DATA
TWO LINE ROAD NORTH
FISHER CALO SITE

Analyte	Background Well MW-3			Boundary Well CRA-16B			Boundary Well CRA-48			Boundary Well MW-9			Boundary Well MW-25		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds															
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	8	0.346	8	0	ND	8	0	ND
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	1	0.484	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	8	0	ND	8	0	ND	8	0	ND	8	1	0.433	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds															
Acetone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	0	ND	8	3	0.653	8	0	ND	8	0	ND
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	1	0.653	8	1	0.492	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2C

SUMMARY OF MONITORING DATA
TWO LINE ROAD NORTH
FISHER CALO SITE

Analyte	Boundary Well MW-48			Chemical Trend Well CRA-16A			Chemical Trend Well CRA-33			Extraction Well EW2N-2			Extraction Well EW2N-3			Extraction Well EW2N-4		
	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV	# Samples	# Detects	CV
Site Specific Compounds																		
1,1,1-Trichloroethane	8	0	ND	8	8	0.875	8	4	0.745	8	0	ND	8	3	0.522	8	5	0.92
Methylene chloride	8	0	ND	8	0	ND	8	4	0.75	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	3	0.459	8	8	0.549	8	0	ND	8	0	ND	8	1	0.349
Trichloroethene	8	0	ND	8	6	0.599	8	6	0.862	8	0	ND	8	0	ND	8	2	1.105
Vinyl chloride	8	0	ND	8	0	ND	8	8	0.81	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds																		
Acetone	8	0	ND	8	1	0.488	8	3	0.909	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	8	0.405	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	1	1.019	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	8	0.469	8	8	0.938	8	0	ND	8	0	ND	8	8	0.374
1,2-Dichloroethane	8	0	ND	8	0	ND	8	7	0.772	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	8	0.508	8	2	-1.488	8	0	ND	8	0	ND	8	6	0.581
cis-1,2-Dichloroethene	8	0	ND	8	8	0.447	8	8	0.843	8	0	ND	8	0	ND	8	8	0.455
1,2-Dichloropropane	8	0	ND	8	0	ND	8	7	0.432	8	0	ND	8	0	ND	8	0	ND
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	7	0.476	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	8	0.625	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	8	0.648	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2D

SUMMARY OF MONITORING DATA
SPACE LEASING AREA
FISHER CALO SITE

	Background Well			*Boundary Well*			*Background Well*			*Boundary Well*			*Boundary Well*		
	MW-67			*CRA-39B*			*CRA-55*			*CRA-57*			*CRA-61*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds															
1,1,1-Trichloroethane	8	0	ND	8	0	ND	8	8	0.243	8	0	ND	8	0	ND
Methylene chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,2-Dichloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Trichloroethene	8	0	ND	8	0	ND	8	3	0.781	8	1	0.95	8	0	ND
Vinyl chloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Volatile Organic Compounds															
Acetone	8	0	ND	8	1	0.446	8	0	ND	8	0	ND	8	0	ND
Benzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	0	ND	8	0	ND	8	8	1.003	8	0	ND	8	0	ND
1,2-Dichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethene	8	0	ND	8	0	ND	8	8	0.412	8	0	ND	8	0	ND
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,2-Dichloroethene	8	0	ND	8	0	ND	8	6	0.622	8	0	ND	8	1	0.389
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 2D

SUMMARY OF MONITORING DATA
SPACE LEASING AREA
FISHER CALO SITE

	Chemical Trend Well			*Chemical Trend Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*			*Extraction Well*		
	CRA-39			*CRA-54*			*EWSL-1*			*EWSL-2*			*EWSL-3*			*EWSL-4*		
	# Samples	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*	*# Samples*	*# Detects*	*CV*
Site Specific Compounds																		
1,1,1-Trichloroethane	8	8	0.229	8	8	0.371	8	6	0.44	8	8	0.206	8	0	ND	8	1	0.231
Methylene chloride	8	1	0.421	8	4	1.895	8	4	0.585	8	0	ND	8	0	ND	8	1	0.659
trans-1,2-Dichloroethene	8	8	0.398	8	8	0.191	8	8	0.13	8	7	0.313	8	0	ND	8	5	0.705
Trichloroethene	8	8	0.375	8	1	-11.605	8	8	0.417	8	8	0.219	8	0	ND	8	1	0.492
Vinyl chloride	8	0	ND	8	1	11.988	8	0	ND	8	0	ND	8	0	ND	8	3	0.231
Volatile Organic Compounds																		
Acetone	8	0	ND	8	0	ND	8	0	ND	8	3	0.825	8	0	ND	8	1	0.446
Benzene	8	4	0.958	8	0	ND	8	5	0.913	8	0	ND	8	0	ND	8	0	ND
Bromodichloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromoform	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Bromomethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
2-Butanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon disulfide	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Carbon tetrachloride	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chlorobenzene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Chloroform (Trichloromethane)	8	0	ND	8	0	ND	8	0	ND	8	1	-1.637	8	0	ND	8	0	ND
Chloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Dibromochloromethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1-Dichloroethane	8	8	0.31	8	8	0.502	8	8	0.364	8	8	0.141	8	0	ND	8	8	0.194
1,2-Dichloroethane	8	0	ND	8	3	16.067	8	4	0.787	8	0	ND	8	0	ND	8	3	0.444
1,1-Dichloroethene	8	7	0.386	8	6	0.418	8	7	0.253	8	6	0.772	8	0	ND	8	3	0.772
1,2-Dichloropropane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
cis-1,2-Dichloroethene	8	8	0.338	8	8	0.185	8	8	0.325	8	8	0.28	8	5	0.801	8	8	0.439
cis-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
trans-1,3-Dichloropropene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Ethylbenzene	8	8	0.299	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
4-Methyl-2-pentanone	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Styrene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Tetrachloroethene	8	8	0.353	8	0	ND	8	0	ND	8	4	6.969	8	0	ND	8	0	ND
1,1,2,2-Tetrachloroethane	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Toluene	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND
1,1,2-Trichloroethane	8	0	ND	8	6	2.223	8	0	ND	8	0	ND	8	0	ND	8	0	ND
Xylene (total)	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND	8	0	ND

Notes:
CV = Coefficient of Variation
ND = Not Detected

TABLE 3A
99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD NORTH
FISHER CALO SITE

				Background Well		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*	
Analyte		*Action*		*CRA-14*		*CRA-27B*		*CRA-31A*		*CRA-58*		*CRA-59*		*CRA-60*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds															
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	ND	8	ND	8	-2.07	8	ND	8	ND
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Trichloroethene	µg/L	5	SOW	8	0.17	8	ND	8	ND	8	-1.87	8	ND	8	ND
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Volatile Organic Compounds															
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	0.87	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	ND	8	0.17	8	ND	8	ND
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	0.74	8	ND	8	ND	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LCL not calculated.

"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.

Bold font indicates exceedance of action level.

TABLE 3A
99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD NORTH
FISHER CALO SITE

				Boundary Well		*Chemical Trend Well*		*Chemical Trend Well*		*Chemical Trend Well*		*Extraction Well*		*Extraction Well*		*Extraction Well*	
Analyte		*Action*		*CRA-64*		*CRA-28*		*CRA-42*		*MW-36*		*EW1N-1*		*EW1N-2*		*EW1N-4*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds																	
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	44.05	8	163.48	8	37.64	8	14.01	8	17.69	8	-0.07
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	-1.58	8	0.05	8	-0.34	8	0.19	8	0.23	8	ND
Trichloroethene	µg/L	5	SOW	8	ND	8	**692.25**	8	**569.99**	8	**78.75**	8	**33.12**	8	**61.27**	8	ND
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Volatile Organic Compounds																	
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	-1.90	8	-1.89	8	ND	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	0.73	8	0.25	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	0.13	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	-0.52	8	12.03	8	3.81	8	0.75	8	1.14	8	ND
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	**12.38**	8	0.21	8	0.13	8	1.34	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	-0.06	8	5.58	8	-0.83	8	0.15	8	0.42	8	0.20
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	0.28	8	**110.44**	8	3.68	8	0.51	8	10.09	8	0.57
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	-1.90	8	0.52	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	0.55	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	**7.34**	8	0.09	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	0.18	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	0.10	8	0.23	8	ND	8	0.20	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	0.19	8	ND	8	ND	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LC

"--" - Less than 4 samples collected. Lower Confidence Limit n

Bold font indicates exceedance of action level.

TABLE 3B

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD SOUTH
FISHER CALO SITE

				Background Well		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Chemical Trend Well*		*Chemical Trend Well*	
Analyte		*Action*		*CRA-23*		*CRA-24A*		*CRA-24B*		*CRA-25*		*CRA-34A*		*CRA-34B*		*CRA-20A*		*CRA-22A*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds																			
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	1.57	8	ND	8	ND	8	ND	8	ND	8	-8.50	8	83.61
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.16	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	12.68	8	0.75
Trichloroethene	µg/L	5	SOW	8	ND	8	1.14	8	0.17	8	ND	8	ND	8	ND	8	1.14	8	**99.66**
Vinyl chloride	µg/L	2	SOW	8	ND	8	0.19	8	ND	8	ND	8	ND	8	ND	8	**2.57***	8	ND
Volatile Organic Compounds																			
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	0.75	8	ND	8	ND	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.86	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	0.13	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.22	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-1.19	8	1.22
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	168.85	8	37.59
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-1.57	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	0.02	8	ND	8	ND	8	ND	8	ND	8	-0.01	8	0.64
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	30.35	8	7.35
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.47	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	4.56	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.36	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.11	8	3.82
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.75	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.28	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.09	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LCL not calculated.

"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.

Bold font indicates exceedance of action level.

*-Exceeded the action level when calculated log normally

TABLE 3B

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Extraction Well EW1S-1* # Samples	*EW1S-1* LCL	*Extraction Well EW1S-2* # Samples	*EW1S-2* LCL	*Extraction Well EW1S-3* # Samples	*EW1S-3* LCL	*Extraction Well EW1S-4* # Samples	*EW1S-4* LCL
Site Specific Compounds											
1,1,1-Trichloroethane	µg/L	200	SOW	8	11.30	8	72.74	8	99.94	8	23.35
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	0.35	8	0.14
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	6.65	8	11.08	8	ND	8	0.21
Trichloroethene	µg/L	5	SOW	8	1.54	8	**70.33**	8	**114.81**	8	**5.28**
Vinyl chloride	µg/L	2	SOW	8	**8.10**	8	**77.12**	8	ND	8	ND
Volatile Organic Compounds											
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	0.44	8	0.01	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	-2.01	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	-0.80	8	7.39	8	24.97
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	96.51	8	394.91	8	8.92	8	14.29
1,2-Dichloroethane	µg/L	5	PMCL	8	**6.14**	8	0.81	8	ND	8	0.44
1,1-Dichloroethene	µg/L	7	PMCL	8	-0.11	8	2.52	8	3.02	8	0.87
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	44.26	8	**367.50**	8	3.63	8	5.39
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	-1.68	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	0.32	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	4.30	8	**7.60**	8	**19.86**
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	0.23	8	ND	8	ND	8	ND

Notes:

LCL - Lower Confidence Limit (99% probability)

ND - Non detections of parameter in any monitoring events. LCL nc

"--" - Less than 4 samples collected. Lower Confidence Limit not ca

Bold font indicates exceedance of action level.

*-Exceeded the action level when calculated log normally

TABLE 3C

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
TWO LINE ROAD NORTH
FISHER CALO SITE

				Background Well		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Chemical Trend Well*		*Chemical Trend Well*	
Analyte		*Action*		*MW-3*		*CRA-16B*		*CRA-48*		*MW-9*		*MW-25*		*MW-48*		*CRA-16A*		*CRA-33*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds																			
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	ND	8	26.46	8	ND	8	ND	8	ND	8	0.834	8	0.208
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	0.166	8	ND	8	ND	8	ND	8	0.431
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.171	8	9.53
Trichloroethene	µg/L	5	SOW	8	ND	8	ND	8	ND	8	0.183	8	ND	8	ND	8	0.84	8	0.154
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**2.702**
Volatile Organic Compounds																			
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.876	8	0.118
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**10.848**
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.159
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.788	8	1.196
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	**8.391**
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	0.267	8	ND	8	ND	8	ND	8	1.88	8	-1.786
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	0.207	8	ND	8	ND	8	ND	8	6.94	8	16.887
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.641
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	2.481
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	0.18	8	0.125	8	ND	8	0.178	8	ND	8	ND	8	**34.16**	8	-1.758
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	116.23
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not calculated.
"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.
Bold font indicates exceedance of action level.

TABLE 3C

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
TWO LINE ROAD NORTH
FISHER CALO SITE

				Extraction Well		*Extraction Well*		*Extraction Well*	
Analyte		*Action*		*EW2N-2*		*EW2N-3*		*EW2N-4*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds									
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	0.402	8	0.402
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	0.205
Trichloroethene	µg/L	5	SOW	8	ND	8	ND	8	-0.33
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND
Volatile Organic Compounds									
Acetone	µg/L	3500	DWEL	8	ND	8	ND	8	ND
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	1.637
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	0.376
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	7.838
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not calc
"--" - Less than 4 samples collected. Lower Confidence Limit not calculat
Bold font indicates exceedance of action level.

TABLE 3D

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
SPACE LEASING AREA
FISHER CALO SITE

				Background Well		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Boundary Well*		*Chemical Trend Well*	
Analyte		*Action*		*MW-67*		*CRA-39B*		*CRA-55*		*CRA-57*		*CRA-61*		*CRA-39*	
	Units	*Level*	*Source*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*	*# Samples*	*LCL*
Site Specific Compounds															
1,1,1-Trichloroethane	µg/L	200	SOW	8	ND	8	ND	8	87.08	8	ND	8	ND	8	18.46
Methylene chloride	µg/L	5	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	0.20
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	1.01
Trichloroethene	µg/L	5	SOW	8	ND	8	ND	8	0.10	8	0.00	8	ND	8	**200.59**
Vinyl chloride	µg/L	2	SOW	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Volatile Organic Compounds															
Acetone	µg/L	3500	DWEL	8	ND	8	0.89	8	0.74	8	ND	8	ND	8	-0.38
Benzene	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	-0.01
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	ND	8	ND	8	-0.45	8	ND	8	ND	8	34.59
1,2-Dichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethene	µg/L	7	PMCL	8	ND	8	ND	8	2.50	8	ND	8	ND	8	0.98
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	ND	8	ND	8	0.29	8	ND	8	0.23	8	**148.16**
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	3.65
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	ND	8	ND	8	ND	8	**10.20**
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not calculated.
"--" - Less than 4 samples collected. Lower Confidence Limit not calculated.
Bold font indicates exceedance of action level.

TABLE 3D

99 PERCENT LOWER CONFIDENCE LIMIT EVALUATION
SPACE LEASING AREA
FISHER CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Chemical Trend Well* CRA-54 # Samples	CRA-54 LCL	*Extraction Well* EWSL-1 # Samples	EWSL-1 LCL	*Extraction Well* EWSL-2 # Samples	EWSL-2 LCL	*Extraction Well* EWSL-3 # Samples	EWSL-3 LCL	*Extraction Well* EWSL-4 # Samples	EWSL-4 LCL
Site Specific Compounds													
1,1,1-Trichloroethane	µg/L	200	SOW	8	122.56	8	0.88	8	190.62	8	ND	8	0.23
Methylene chloride	µg/L	5	SOW	8	-0.72	8	0.42	8	ND	8	ND	8	0.11
trans-1,2-Dichloroethene	µg/L	100	PMCL	8	18.05	8	6.22	8	1.65	8	ND	8	0.32
Trichloroethene	µg/L	5	SOW	8	-1.97	8	**7.55**	8	**57.08**	8	ND	8	0.18
Vinyl chloride	µg/L	2	SOW	8	-1.57	8	ND	8	ND	8	ND	8	0.37
Volatile Organic Compounds													
Acetone	µg/L	3500	DWEL	8	-0.83	8	ND	8	1.41	8	ND	8	0.89
Benzene	µg/L	5	PMCL	8	ND	8	0.03	8	ND	8	ND	8	ND
Bromodichloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
Bromoform	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
Bromomethane	µg/L	40	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
2-Butanone	µg/L	21000	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon disulfide	µg/L	3500	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Carbon tetrachloride	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
Chlorobenzene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
Chloroform (Trichloromethane)	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
Chloromethane	µg/L	100	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Dibromochloromethane	µg/L	100	PMCL-1	8	ND	8	ND	8	ND	8	ND	8	ND
1,1-Dichloroethane	µg/L	3500	DWEL	8	163.60	8	84.43	8	49.94	8	ND	8	82.75
1,2-Dichloroethane	µg/L	5	PMCL	8	-1.58	8	0.15	8	ND	8	ND	8	0.22
1,1-Dichloroethene	µg/L	7	PMCL	8	**7.70**	8	1.63	8	2.10	8	ND	8	0.10
cis-1,2-Dichloroethene	µg/L	70	PMCL	8	**1113.77**	8	**218.44**	8	**152.17**	8	0.12	8	31.98
1,2-Dichloropropane	µg/L	5	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
cis-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND
trans-1,3-Dichloropropene	µg/L	87	IWQS-2	8	ND	8	ND	8	ND	8	ND	8	ND
Ethylbenzene	µg/L	700	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
4-Methyl-2-pentanone	µg/L	2800	DWEL	8	ND	8	ND	8	ND	8	ND	8	ND
Styrene	µg/L	100	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2,2-Tetrachloroethane	µg/L	1.7	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
Tetrachloroethene	µg/L	5	IWQS	8	ND	8	ND	8	-1.70	8	ND	8	ND
Toluene	µg/L	1000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND
1,1,2-Trichloroethane	µg/L	5	PMCL	8	-0.76	8	ND	8	ND	8	ND	8	ND
Xylene (total)	µg/L	10000	PMCL	8	ND	8	ND	8	ND	8	ND	8	ND

Notes:
LCL - Lower Confidence Limit (99% probability)
ND - Non detections of parameter in any monitoring events. LCL not cal
"--" - Less than 4 samples collected. Lower Confidence Limit not calcula
Bold font indicates exceedance of action level.

TABLE 4A

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
ONE LINE ROAD NORTH
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*May-03 Results(3) (ug/L)*
Trichloroethene	5	ND (1.0)	CRA-28	CT	**680**
			CRA-42	CT	**910**
			MW-36	CT	**80**
			EW1N-1	E	**35**
			EW1N-2	E	**60**
cis-1,2-Dichloroethene	70	ND (1.0)	CRA-42	CT	**200**
1,2-Dichloroethane	5	ND (1.0)	CRA-42	CT	**8.3**
Tetrachloroethene	5	ND (1.0)	MW-36	CT	**7.4**

Notes:

(1) Background well for One Line Road North is CRA-14
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 4B

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
ONE LINE ROAD SOUTH
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*May-03 Results(3) (ug/L)*
Trichloroethene	5	ND (1.0)	CRA-22A	CT	**86**
			EW1S-2	E	**81**
			EW1S-3	E	**140**
			EW1S-4	E	**6.7**
Vinyl Chloride	2	ND (1.0)	EW1S-1	E	**8.6**
			EW1S-2	E	**93**
			CRA-20A	CT	**5.9**
1,2-Dichloroethane	5	ND (1.0)	EW1S-1	E	**5.3**
cis-1,2-Dichloroethene	70	ND (1.0)	EW1S-2	E	**360**
		ND (1.0)	CRA-20A	CT	**25**
Tetrachloroethene	5	ND (1.0)	EW1S-3	E	**10**
			EW1S-4	E	**20**

Notes:
(1) Background well for One Line Road South is MW-3
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 4C

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
TWO LINE ROAD NORTH
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*May-03 Results(3) (ug/L)*
Benzene	5	ND (1.0)	CRA-33	CT	**ND(10)**
1,2-Dichloroethane	5	ND (1.0)	CRA-33	CT	**ND(10)**
Tetrachloroethene	5	ND (1.0)	CRA-16A	CT	**ND(10)**
Vinyl Chloride	2	ND (1.0)	CRA-33	CT	**ND(10)**

Notes:

(1) Background well for Two Line Road North is MW-3
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 4D

BACKGROUND 95 PERCENT UPPER TOLERANCE LIMITS COMPARISONS
SPACE LEASING AREA
FISHER CALO SITE

Analyte	*Action Level (ug/L)*	*Background 95% UTL(1) (ug/L)*	*Well Name*	*Well Type(2)*	*May-03 Results(3) (ug/L)*
Tetrachloroethane	5	ND(1.0)	CRA-39	CT	**14**
Trichloroethene	5	ND(1.0)	CRA-39	CT	**200**
			EWSL-1	E	**6.2**
			EWSL-2	E	**71**
cis-1,2-Dichloroethene	70	ND(1.0)	CRA-39	CT	**96**
			CRA-54	CT	**1400**
			EWSL-1	E	**180**
			EWSL-2	E	**320**
1,1- Dichloroethene	7	ND(1.0)	CRA-54	CT	**ND(25)**

Notes:

(1) Background well for Space Leasing Area is MW-67
(2) Well Types: B = Boundary, CT = Chemical Trend, P = Plume, E = Extraction
(3) **Bold** font indicates exceedance of background

TABLE 5A
SUMMARY OF ACTION LEVEL EXCEEDANCES
ONE LINE ROAD NORTH
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*May-03 Results (ug/L)*
Trichloroethene	µg/L	5	SOW	CRA-28	8	***692.25***	**680**
			SOW	CRA-42	8	***569.99***	**910**
			SOW	MW-36	8	***78.75***	**80**
			SOW	EW1N-1	8	***33.12***	**35**
			SOW	EW1N-2	8	***61.27***	**60**
cis-1,2-Dichloroethene	µg/L	70	SOW	CRA-42	8	***110.44***	**200**
1,2-Dichloroethane	µg/L	5	PMCL	CRA-42	8	***12.38***	**8.3**
Tetrachloroethene	µg/L	5	PMCL	MW-36	8	***7.34***	**7.4**

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
LCL - Lower Confidence Limit (99% probability)
Bold font indicates exceedance of action level

TABLE 5B
SUMMARY OF ACTION LEVEL EXCEEDANCES
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*May-03 Results*
Trichloroethene	µg/L	5	SOW	CRA-22A	8	***99.66***	**86**
			SOW	EW1S-2	8	***70.33***	**81**
			SOW	EW1S-3	8	***114.81***	**140**
			IWQS	EW1S-4	8	***5.28***	**6.7**
Vinyl Chloride	µg/L	2	SOW	EW1S-1	8	***8.1***	**8.6**
			SOW	EW1S-2	8	***77.12***	**93**
			SOW	CRA-20A	8	***2.57****	**5.9**
1,2-Dichloroethane	µg/L	5	PMCL	EW1S-1	8	***6.14***	**5.3**
cis-1,2-Dichloroethene	µg/L	70	IWQS-2	EW1S-2	8	***367.5***	**360**
			SOW	CRA-20A	8	***142.29***	25
Tetrachloroethene	µg/L	5	IWQS	EW1S-3	8	***7.6***	**10**
			SOW	EW1S-4	8	**19.86**	**20**

Notes:

SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
IWQS - State of Indiana Water Quality Standard (Title-327-IAC)
IWQS-2 - Action Level for this parameter represents the sum of the dichloropropene detections including; 1,2 dichloropropene and 1,3 dichloropropene (cis- and trans- isomers)
LCL - Lower Confidence Limit (99% probability)
Bold font indicates exceedance of action level
ıe action level when calculated log normally

TABLE 5C
SUMMARY OF ACTION LEVEL EXCEEDANCES
TWO LINE ROAD NORTH
FISHER-CALO SITE

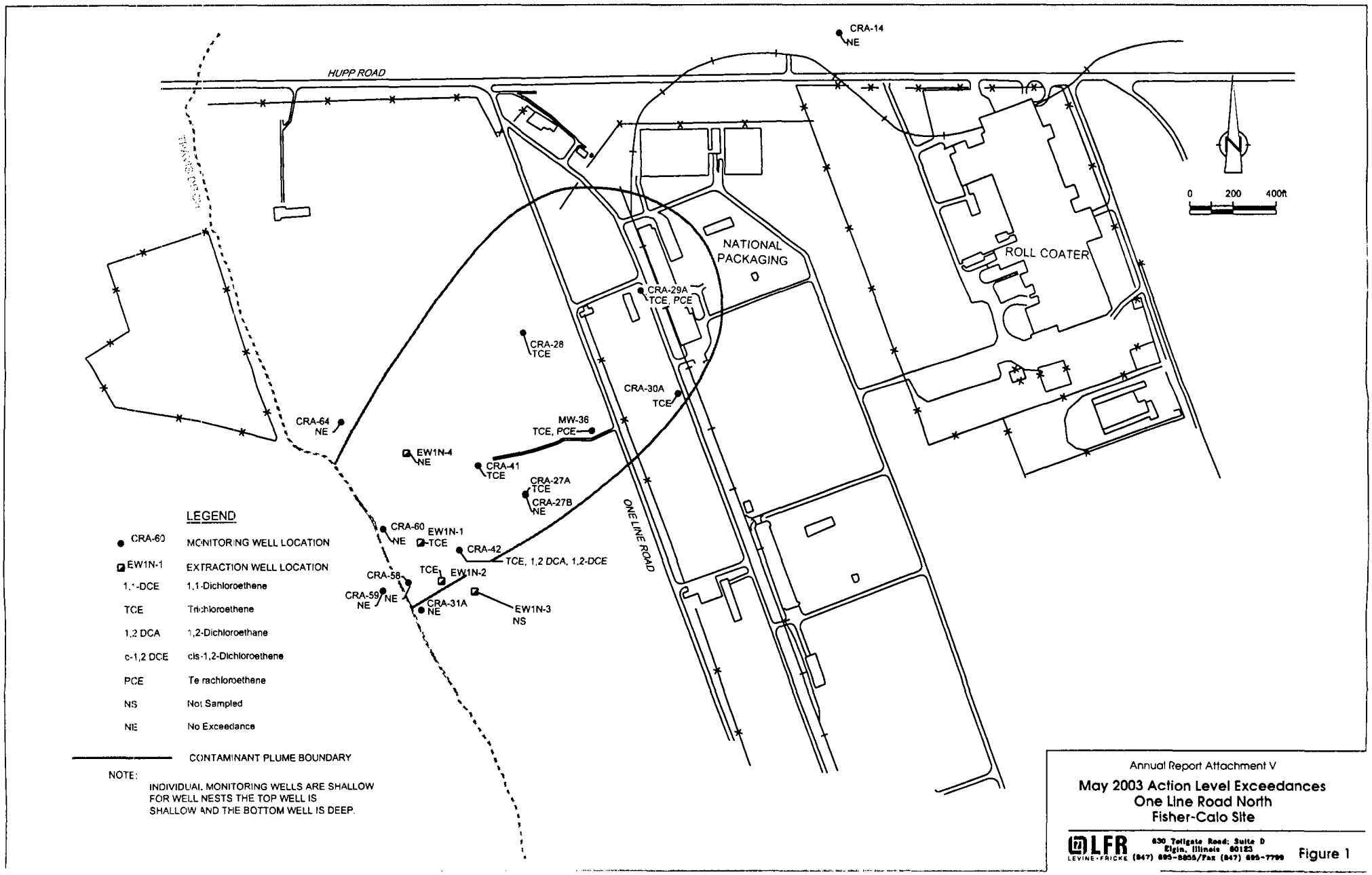
Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*May-03 Results*
Benzene	µg/L	5	PMCL	CRA-33	8	***10.85***	**ND(10)**
1,2-Dichloroethane	µg/L	5	PMCL	CRA-33	8	***8.391***	**ND(10)**
Tetrachloroethene	µg/L	5	IWQS	CRA-16A	8	***34.16***	**ND(10)**
Vinyl Chloride	µg/L	2	PMCL	CRA-33	8	***2.702***	**ND(10)**

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
IWQS - State of Indiana Water Quality Standard (Title-327-IAC)
LCL - Lower Confidence Limit (99% probability)
*-**Bold** font indicates exceedance of action level

TABLE 5D
SUMMARY OF ACTION LEVEL EXCEEDANCES
SPACE LEASING
FISHER-CALO SITE

Analyte	*Units*	*Action Level*	*Source*	*Well*	*# Samples*	*LCL*	*May-03 Results*
Trichloroethene	µg/L	5	SOW	CRA-39	8	***200.59***	**200**
			SOW	EWSL-1	8	***7.55***	**6.2**
			SOW	EWSL-2	8	***57.08***	**71**
cis-1,2-Dichloroethene	µg/L	70	PMCL	CRA-39	8	***148.16***	**96**
			PMCL	CRA-54	8	***1113.77***	**1400**
			PMCL	EWSL-1	8	***218.44***	**180**
			PMCL	EWSL-2	8	***152.17***	**320**
Tetrachloroethane	µg/L	5	PMCL	CRA-39	8	**10.2**	**14**
1,1- Dichloroethene	µg/L	7	PMCL	CRA-54	8	**7.696**	**ND(25)**

Notes:
SOW -Scope of Work Remedial Design and Remedial Action at the Fisher-Calo Site, Kingsbury, Indiana
PMCL - Primary Maximum Contaminant Level (40 CFR 141)
IWQS - State of Indiana Water Quality Standard (Title-327-IAC)
LCL - Lower Confidence Limit (99% probability)
Bold font indicates exceedance of action level

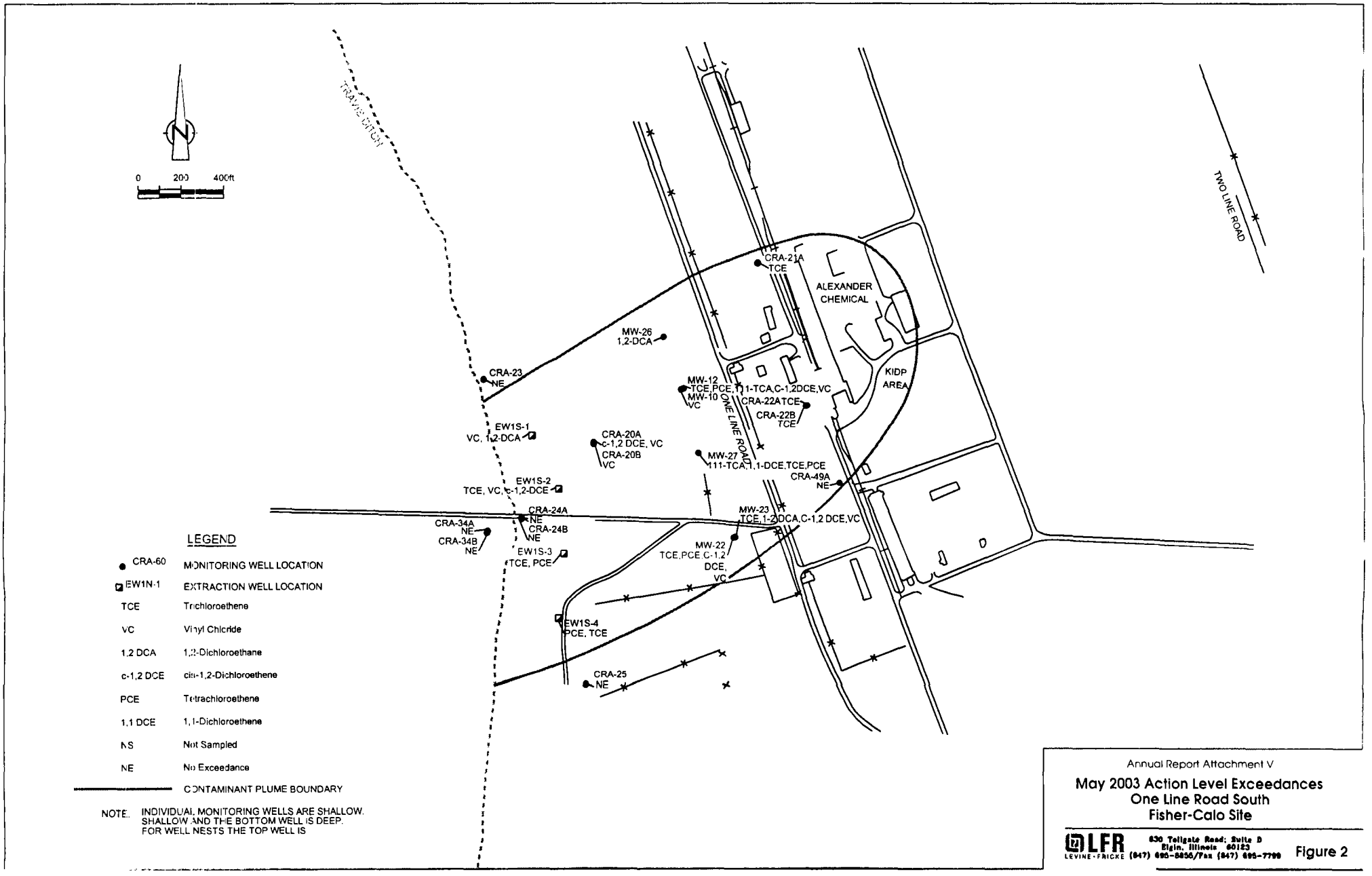


Annual Report Attachment V

May 2003 Action Level Exceedances
One Line Road North
Fisher-Calo Site

LFR LEVINE-FRICKE 630 Tollgate Road; Suite D Elgin, Illinois 60123 (847) 695-8855/Fax (847) 695-7799

Figure 1



Annual Report Attachment V

May 2003 Action Level Exceedances
One Line Road South
Fisher-Calo Site

LFR LEVINE-FRICKE 630 Tollgate Road, Suite D Elgin, Illinois 60123 (847) 695-5855/Fax (847) 695-7799

Figure 2

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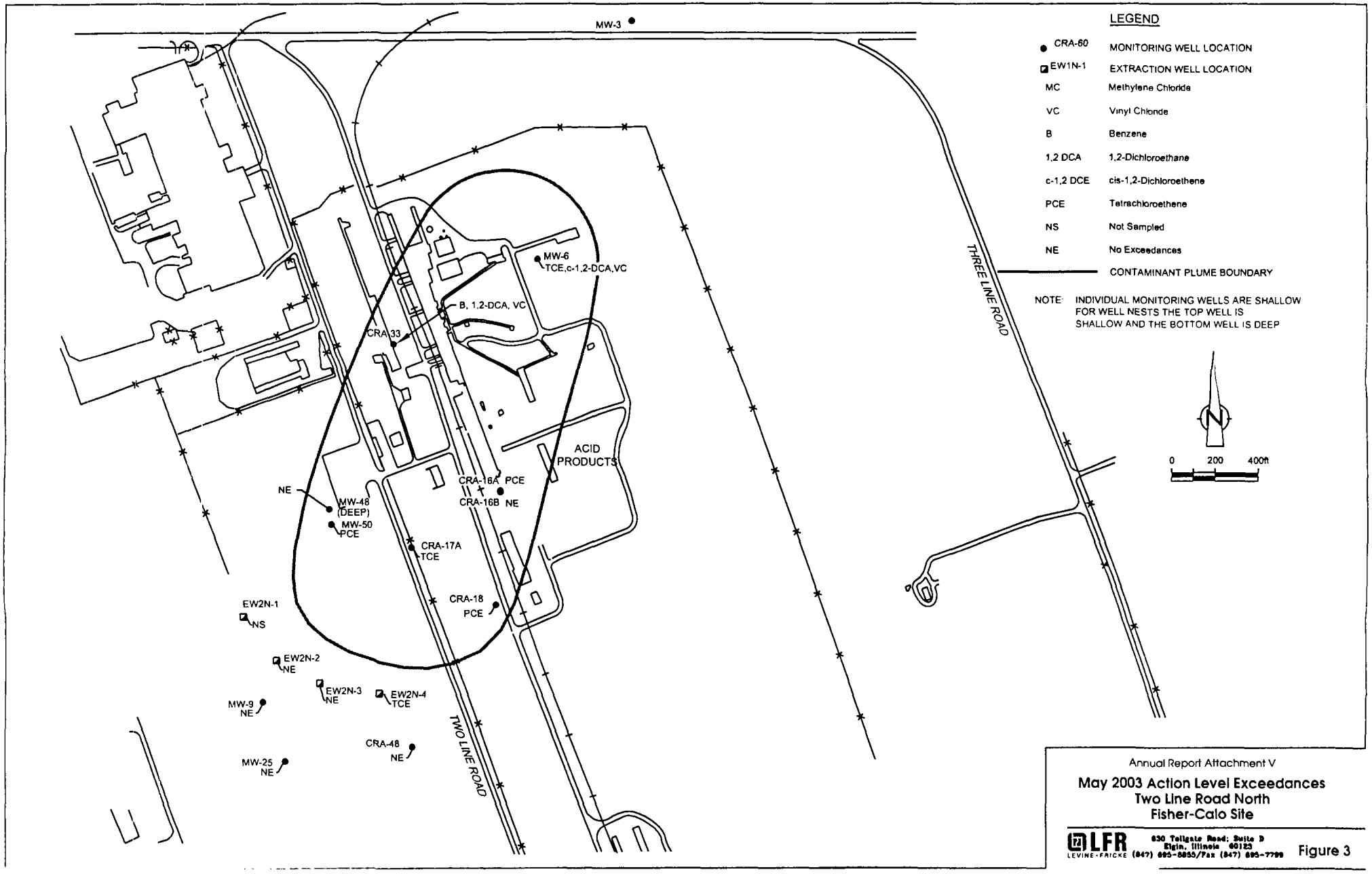
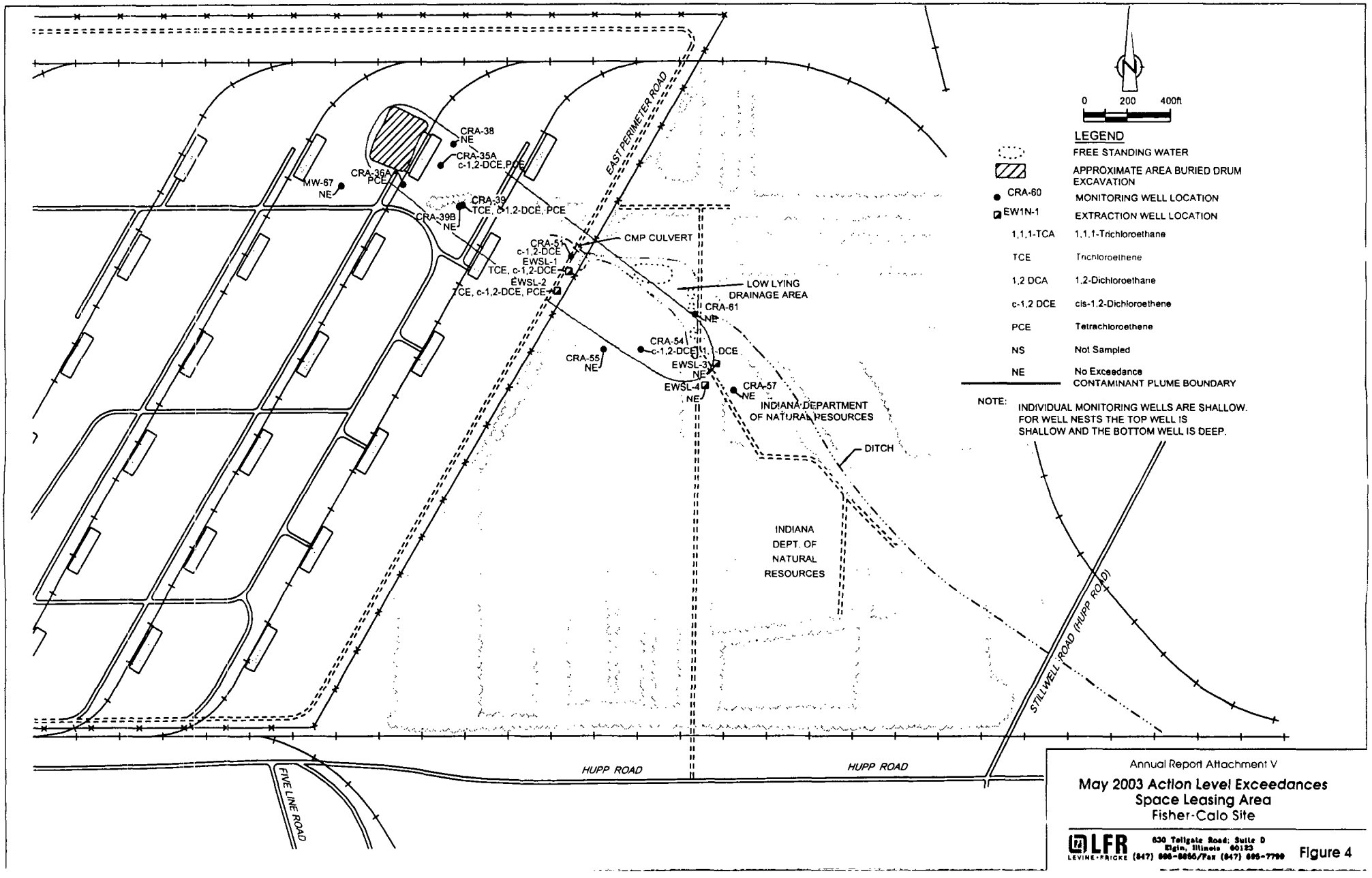

MW-3
MW-6
TCE,c-1,2-DCA,VC
B, 1,2-DCA, VC
CRA-33
ACID
PRODUCTS
CRA-16A PCE
CRA-16B NE
NE
MW-48
(DEEP)
MW-50
PCE
CRA-17A
TCE
CRA-18
PCE
EW2N-1
NS
EW2N-2
NE
EW2N-3
NE
EW2N-4
TCE
MW-9
NE
CRA-48
NE
MW-25
NE
TWO LINE ROAD
THREE LINE ROAD
LEGEND
CRA-60 MONITORING WELL LOCATION
EW1N-1 EXTRACTION WELL LOCATION
MC Methylene Chloride
VC Vinyl Chloride
B Benzene
1,2 DCA 1,2-Dichloroethane
c-1,2 DCE cis-1,2-Dichloroethene
PCE Tetrachloroethene
NS Not Sampled
NE No Exceedances
CONTAMINANT PLUME BOUNDARY
NOTE: INDIVIDUAL MONITORING WELLS ARE SHALLOW FOR WELL NESTS THE TOP WELL IS SHALLOW AND THE BOTTOM WELL IS DEEP
N
0 200 400ft
Annual Report Attachment V
May 2003 Action Level Exceedances
Two Line Road North
Fisher-Calo Site
LFR LEVINE-FRICKE
630 Tollgate Road, Suite D
Elgin, Illinois 60123
(847) 695-8855/Fax (847) 695-7799
Figure 3



Annual Report Attachment V

May 2003 Action Level Exceedances
Space Leasing Area
Fisher-Calo Site

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Figure 4

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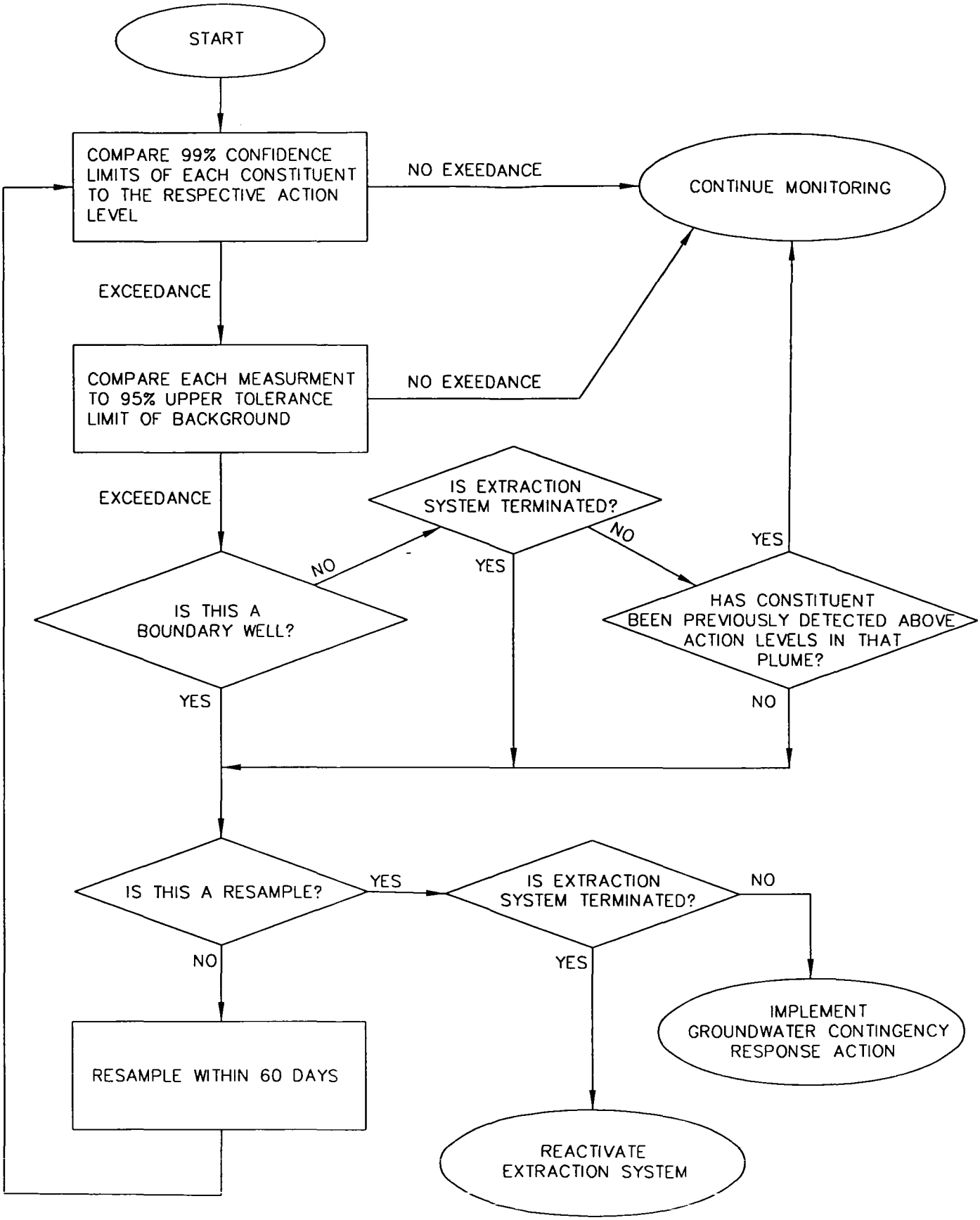

figure 5.1
FLOW CHART OF EVALUATION TASKS
FOR CHEMICAL MONITORING NETWORK
Fisher–Calo Site

LFR
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TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-14*	*CRA-14*	*CRA-14*	*CRA-14*	*CRA-14*	*CRA-14*	*CRA-14*	*CRA-14*	*CRA-27B*	*CRA-27B*	*CRA-27B*
Sample ID:		*GW-TMTR-171*	*GW-TMTR-034*	*GW-TM-128*	*TMMD-159*	*GW-110801-JPJB-196*	*GW-050702-JMDE-248*	*GW-110602-AMDE-299*	*Not Sampled*	*GW-TMTR-178*	*GW-TMTR-013*	*GW-TM-080*
Sample Date:		*2/24/2000*	*6/14/2000*	*11/6/2000*	*5/21/2001*	*11/8/2001*	*5/7/02*	*11/06/02*	*05/07/03*	*2/24/2000*	*6/8/2000*	*10/31/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND(5)	ND (5.0)		ND (2)	ND (2)	ND (2.0)
Acetone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND(5)	ND (5.0)		ND (2)	ND (2)	ND (2.0)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND(5)	ND (5.0)		ND (2)	ND (2)	ND (2.0)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.65	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND(5)	ND (5.0)		ND (2)	ND (2)	ND (2.0)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)		ND (0.5)	ND (0.5)	ND (0.5)

Notes:

H	Alternate peak selection upon analytical review	M	Manually integrated compound
J	Result is an estimated value below the reporting limit.	U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
a	Concentration is below the method reporting limit	ND (0.5) - The parameter was not detected above the reporting limit The reporting limit is an estimated limit.	

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-27B*	*CRA-27B*	*CRA-27B*	*CRA-27B*	*CRA-27B*	*CRA-28*	*CRA-28*	*CRA-28*	*CRA-28*	*CRA-28*	*CRA-28*
Sample ID:		*TMMD-134*	*GW-110801-JPJB-194*	*GW-050702-JMDE-244*	*GW-110502-AMDE-305*	*GW-050603-AMDE-346*	*GW-TMTR-173*	*GW-TMTR-006*	*GW-TM-094*	*TMMD-146*	*GW-110801-JPJB-197*	*GW-110801-JPJB-199*
Sample Date:		*5/16/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*2/24/2000*	*6/8/2000*	*11/1/2000*	*5/16/2001*	*11/8/2001*	*11/8/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	6 J	4	1.3	ND (2)	0.8	0.8
Carbon disulfide	ug/L	ND (2)	ND (2)	ND(5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (10)	ND (2)	ND (2)
Acetone	ug/L	ND (2)	ND (2)	ND(5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (10)	ND (2)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	0.6 J	0.5	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	8 J	8	2.3	ND (2)	1	1
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	4 J	4	1.6	ND (2)	0.7	1
2-Butanone	ug/L	ND (2)	ND (2)	ND(5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (10)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	100	96	95	83	79 J	60 J
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	**1300**	**1000**	**1000**	**1200**	**1100**	**1000**
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Bromodichloromethane	*ug/L*	*ND (0.5)*	*ND (0.5)*	*ND(1.0)*	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (2)*	*ND (0.5)*	*ND (0.5)*
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND(5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (10)	ND (2)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	0.69J	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND(1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (0.5)	ND (0.5)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-28*	*CRA-28 Dup.*	*CRA-28*	*CRA-28*	*CRA-31A*	*CRA-31A*	*CRA-31A*	*CRA-31A*	*CRA-31A*	*CRA-31A*	*CRA-31A*
Sample ID:		*GW-050702-JMDE-246*	*GW-050702-JMDE-247*	*GW-110502-AMDE-308*	*GW-050603-AMDE-350*	*GW-TMTR-172*	*GW-TMTR-001*	*GW-TM-086*	*TMMD-138*	*GW-110701-JPJB-187*	*GW-050702-JMDE-242*	*GW-110502-AMDE-303*
Sample Date:		*5/7/02*	*5/7/02*	*11/05/02*	*05/06/03*	*2/23/2000*	*6/6/2000*	*10/31/2000*	*5/16/2001*	*11/7/2001*	*05/07/02*	*11/05/02*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	0.67	0.8	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	ND (5)	ND (5)	ND (5.0)	ND(50)	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Acetone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)U*	ND (10)	ND (2)	ND (2.0)	3	ND (2)	ND (5)	ND (5.0)
Methylene chloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	0.38 J	ND (2)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
2-Butanone	ug/L	ND (5)	ND (5)	ND (5.0)	ND(50)	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	45	44	49 J	42	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	**690**	**660**	**670**	**680**	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5)	ND (5)	ND (5.0)	ND(50)	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Toluene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND(10)	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1)	ND (1)	ND (1.0)	0.05	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-31A*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*	*CRA-42*
Sample ID:		*GW-050603-AMDE-353*	*GW-TMTR-180*	*GW-TMTR-011*	*GW-TM-090*	*GW-TM-092*	*TMMD-148*	*TMMD-150*	*GW-110801-JPJB-193*	*GW-050702-JMDE-243*	*GW-110502-AMDE-304*	*GW-050603-AMDE-355*
Sample Date:		*05/06/03*	*2/25/2000*	*6/7/2000*	*11/1/2000*	*11/1/2000*	*5/16/2001*	*5/16/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*05/06/03*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	(ND (1.0)	ND(10)
Vinyl chloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Bromomethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
1.1-Dichloroethene	ug/L	ND (1.0)	**8**	**7**	**13**	**11**	**14**	**15**	**22 J**	**9.5**	**11**	**5.3 J**
Carbon disulfide	ug/L	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND(50)
Acetone	ug/L	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND(50)U*
Methylene chloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	1	1	6.5 J	5.2 J	14	12	20 J	7.9	7.7	3.8 Ja
1.1-Dichloroethane	ug/L	ND (1.0)	13	20	27	25	36	40	63 J	28	30	14
cis-1,2-Dichloroethene	ug/L	ND (1.0)	**110**	**130**	**330**	**350**	**550**	**560**	**940 J**	**510**	**430**	**200**
2-Butanone	ug/L	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND(50)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	1	1	3.0	2.9	4	4	6 J	1.5	1.7	ND(10)
1.1,1-Trichloroethane	ug/L	ND (1.0)	**230**	**180**	**280**	**290**	**440**	**430**	**540 J**	**330**	**390**	180M
Carbon tetrachloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND(10)UM
Benzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.9 J	ND (0.5)	0.57 J	ND(10)
1,2-Dichloroethane	ug/L	ND (1.0)	**16**	**16**	**18**	**16**	**23**	**23**	**27 J**	**21**	**18**	**6.3J**
Trichloroethene	ug/L	ND (1.0)	**700**	**560**	**930**	**960**	**1500**	**1300**	**2500**	**1300**	**1400**	**910**
1.2-Dichloropropane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5	1 J	ND (1.0)	ND (1.0)	ND(10)
Bromodichloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND(50)
Toluene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
1.1,2-Trichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	0.8	0.7	1	1	2 J	ND (1.0)	0.79 J	ND(10)
Tetrachloroethene	ug/L	0.30 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Dibromochloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Chlorobenzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Ethylbenzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Styrene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Bromoform	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND(10)
Xylene (total)	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (10)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-58*	*CRA-58*	*CRA-58*	*CRA-58*	*CRA-58*	*CRA-58*	*CRA-58*	*CRA-58*	*CRA-59*	*CRA-59*	*CRA-59*
Sample ID:		*GW-TMTR-167*	*GW-TMTR-007*	*GW-TM-084*	*TMMD-136*	*GW-110701-JPJB-189*	*GW-050702-JMDE-241*	*GW-110502-AMDE-301*	*GW-050603-AMDE-352*	*GW-TMTR-174*	*GW-TMTR-009*	*GW-TM-131*
Sample Date:		*2/24/2000*	*6/7/2000*	*10/31/2000*	*5/16/2001*	*11/7/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*2/24/2000*	*6/7/2000*	*11/9/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	0.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Acetone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	0.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	16	9	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	**70**	**31**	0.8	ND (0.5)	0.5	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-59*	*CRA-59*	*CRA-59*	*CRA-59*	*CRA-59*	*CRA-60*	*CRA-60*	*CRA-60*	*CRA-60*	*CRA-60*	*CRA-60*
Sample ID:		*TMMD-143*	*GW-110801-JPJB-191*	*GW-050802-JMDE-270*	*GW-110502-AMDE-309*	*GW-050603-AMDE-361*	*GW-TMTR-176*	*GW-TMTR-005*	*GW-TM-088*	*TMMD-140*	*GW-110701-JPJB-192*	*GW-050702-JMDE-240*
Sample Date:		*5/17/2001*	*11/8/2001*	*5/8/02*	*11/05/02*	*05/06/03*	*2/24/2000*	*6/7/2000*	*11/1/2000*	*5/16/2001*	*11/9/2001*	*5/7/02*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Acetone	ug/L	5	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
2-Butanone	ug/L	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	0.7	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-60*	*CRA-60*	*CRA-64*	*CRA-64*	*CRA-64*	*CRA-64*	*CRA-64*	*CRA-64*	*CRA-64*	*CRA-64*	*MW-36*
Sample ID:		*GW-110502-AMDE-302*	*GW-050603-AMDE-354*	*GW-TMTR-169*	*GW-TMTR-003*	*GW-TM-082*	*TMMD-142*	*GW-110701-JPJB-190*	*GW-050702-JMDE-239*	*GW-110502-AMDE-300*	*GW-050603-AMDE-348*	*GW-TMTR-175*
Sample Date:		*11/05/02*	*05/06/03*	*2/24/2000*	*6/6/2000*	*10/31/2000*	*5/16/2001*	*11/7/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*2/25/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	**8**
Carbon disulfide	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Acetone	ug/L	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)
Methylene chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	13
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	**49**
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	**660**
2-Butanone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Chloroform (Trichloromethane)	ug/L	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (1.0)*	*ND (1.0)*	*ND (1.0)*	*0.8*
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	150
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	**19**
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	**260**
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	**2**
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	0.5
Tetrachloroethene	ug/L	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (1.0)*	*ND (1.0)*	*ND (1.0)*	**10**
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Styrene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromoform	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*MW-36(Dup)*	*MW-36*	*MW-36*	*MW-36*	*MW-36*	*MW-36*	*MW-36*	*MW-36*	*MW-36 (Dup.)*	*MW-36*	*EWIN-1*
Sample ID:		*GW-TMTR-177*	*GW-TMTR-002*	*GW-TMTR-004*	*GW-TM-096*	*TMMD-144*	*GW-110801-JPJB-195*	*GW-050702JMDE-245*	*GW-110502-AMDE-306*	*GW-110502-AMDE-307*	*GW-050603-AMDE-349*	*EW-TMTR-209*
Sample Date:		*2/25/2000*	*6/7/2000*	*6/7/2000*	*11/1/2000*	*5/16/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*11/05/02*	*05/06/03*	*3/1/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethene	ug/L	**8**	3	3	1.3	0.9	0.9 J	0.97J	ND (1.0)	ND (1.0)	0.41 Ja	1
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)
Acetone	ug/L	ND (2)	4	ND (2)	ND (2.0)	ND (2)	3 J	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	12	7	7	5.3	2	2 J	0.78	0.79 J	0.82 J	0.68J	ND (0.5)
1,1-Dichloroethane	ug/L	47	30	32	22	11	15 J	9	5.9	6.0	8.1	1
cis-1,2-Dichloroethene	ug/L	**610**	**420**	**470**	**190**	**84**	**70**	46	55	58	47	0.6
2-Butanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)
Chloroform (Trichloromethane)	ug/L	0.8	0.6	0.6	ND (0.5)	ND (0.5)	0.6 J	.33 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,1-Trichloroethane	ug/L	140	140	150	79	60	61	65	51	56	38	22
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)UM	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,2-Dichloroethane	ug/L	**18**	**15**	**16**	**8.6**	3	3 J	1.6	1.1	1.1	1.5	ND (0.5)
Trichloroethene	ug/L	**240**	**240**	**240**	**140**	**120**	**120**	**98**	**100**	**97**	**80**	**70**
1,2-Dichloropropane	ug/L	2	1	1	0.9	1	1 J	.54 J	0.57 J	0.54 J	ND(1.0)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2-Trichloroethane	ug/L	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Tetrachloroethene	ug/L	**10**	**8**	**9**	**8.4**	**8**	**9 J**	**13**	**9.5**	**8.3**	**7.4**	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-1*	*EW1N-2*	*EW1N-2(Dup)*
Sample ID:		*EW-TMTR-210*	*EW-TMTR-060*	*EW-TM-116*	*TMMD-163*	*TMMD-165*	*EW-111201-JPJB-223*	*EW-050802-JMDE-262*	*GW-110502-AMDE-310*	*GW-050603-AMDE-357*	*EW-TMTR-062*	*EW-TMTR-064*
Sample Date.		*3/1/2000*	*6/16/2000*	*11/3/2000*	*5/21/2001*	*5/21/2001*	*11/12/2001*	*5/8/02*	*11/05/02*	*05/06/03*	*6/19/2000*	*6/19/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	0.7	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	0.9	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	.36 J	ND (1.0)	ND (1.0)	2	2
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Acetone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	12	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	0.9	860	0.9	1	1	1	0.88 J	0.90 J	0.86J	2	2
cis-1,2-Dichloroethene	ug/L	0.6	**500**	0.6	0.6	0.6	0.9	0.39 J	0.56 J	0.46Ja	18	20
2-Butanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	21	67	18	19	18	20	14	14	11	24	26
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	2	2
Trichloroethene	ug/L	**81**	**21**	**52**	**44**	**44**	**53**	**40**	**39**	**35**	**78**	**89**
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	4	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Toluene	ug/L	ND (0.5)	26	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	0.9	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*EW1N-2*	*EW1N-2*	*EW1N-2*	*EW1N-2*	*EW1N-2*	*EW1N-2*	*EW1N-4*	*EW1N-4*	*EW1N-4*	*EW1N-4*	*EW1N-4*
Sample ID:		*EW-TM-117*	*TMMD-161*	*EW-111201-JPJB-222*	*EW-050802-JMDE-261*	*GW-110502-AMDE-311*	*GW-050603-AMDE-356*	*EW-TMTR-212*	*EW-TMTR-066*	*EW-TM-118*	*TMMD-167*	*EW-111201-JPJB-224*
Sample Date.		*11/3/2000*	*5/21/2001*	*11/12/2001*	*5/8/02*	*11/05/02*	*05/06/03*	*3/1/2000*	*6/19/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	0.9	0.8	1	0..83	0.72 J	0.69J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6
Carbon disulfide	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Acetone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	0.5	0.6	.58 J	0.59 J	0.63J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	1.8	2	4	3	2.5	2.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	17	25	36	30	29	26	ND (0.5)	ND (0.5)	1	2	2
2-Butanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	24	25	30	22	21	19	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.9 J
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)UM	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	1.8	2	3	2.2	2.0	1.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	**71**	**61**	**69**	**74**	**64**	**60**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	0.33 Ja	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

Notes:

ND (0.5) - The parameter was not detected above the reporting limit The reporting limit is an estimated limit.

TABLE I.1

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*EW1N-4*	*EW1N-4*
Sample ID:		*EW-050802-JMDE-263*	*GW-110502-AMDE-312*
Sample Date:		*5/8/02*	*11/05/02*
Parameter (Volatiles)	*Unit*		
Chloromethane	ug/L	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	.51 J	ND (1.0)
Carbon disulfide	ug/L	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	2.1	2.2
2-Butanone	ug/L	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	2.5	3.2
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND (5.0)
Toluene	ug/L	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-20A*	*CRA-22A*
Sample ID:		*GW-TMTR-170*	*GW-TMTR-014*	*GW-TMTR-016*	*GW-TM-114*	*TMMD-154*	*GW-110801-JPJB-202*	*GW-110801-JPJB-204*	*GW-050802-JMDE-269*	*GW-110502-RKTA-297*	*GW-050603-TA-370*	*GW-TMTR-163*
Sample Date:		*2/23/2000*	*6/8/2000*	*6/8/2000*	*11/2/2000*	*5/17/2001*	*11/8/2001*	*11/8/2001*	*5/8/02*	*11/05/02*	*05/06/03*	*2/23/2000*
				Duplicate				*Duplicate*				
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (1.0)	ND (1.0)	ND (0.5)
Vinyl chloride	ug/L	**19**	**78**	**77**	**230**	**96**	**72**	**82**	**23**	**42**	**5.9**	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethene	ug/L	**8**	**46 J**	**36 J**	**7.9**	7	3	4	1.2	2.3	ND(1.0)	3
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	5	ND (5.0)	ND (5.0)	ND (2)
Acetone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	15	89	98	72	77	50	56	19	50	1.5	1
1,1-Dichloroethane	ug/L	930	2100	2100	1700	1200	730	830	200	510	15	50 J
cis-1,2-Dichloroethene	ug/L	**1100**	**4400**	**4700**	**2300**	**2000**	**1100**	**1300**	**330**	**880**	25	14
2-Butanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Chloroform (Trichloromethane)	ug/L	3	7 J	5	1.2	0.9	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	3
1,1,1-Trichloroethane	ug/L	120	**580**	**600**	**390**	**220**	100	110	59	110	4.3	120 J
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Benzene	ug/L	2	**11 J**	**8**	**6.6**	5	4	5	1.3	2.9	ND (1.0)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	1.9	ND (0.5)	1	1	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Trichloroethene	ug/L	1	**13 J**	**10**	**8.1**	4	6	6	**6.7**	**17**	**0.81J**	**110 J**
1,2-Dichloropropane	ug/L	0.9	5 J	4	3.5	2	2	2	.66J	1.4	ND (1.0)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	5	ND (5.0)	ND (5.0)	ND (2)
Toluene	ug/L	0.9	10 J	8	5.9	2	1	1	0.35 J	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	2 J	2	1.5	2	1	1	ND (1)	0.60 J	ND (1.0)	ND (0.5)
Tetrachloroethene	ug/L	4	**6 J**	**6**	3.2	1	2	1	0.45 J	1.1	ND (1.0)	**8**
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	0.7 J	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Ethylbenzene	ug/L	16	110	100	99	100	42 J	54 J	14	25	0.77J	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Xylene (total)	ug/L	14	75	73	93	120	47	57	3.6	ND (1.0)	ND (1.0)	ND (0.5)

Notes:

H	Alternate peak selection upon analytical review	M	Manually integrated compound
J	Result is an estimated value below the reporting limit.	U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
a	Concentration is below the method reporting limit	ND (0.5) - The parameter was not detected above the reporting limit The reporting limit is an estimated limit.	

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A*	*CRA-22A(Dup)*
Sample ID:		*GW-TMTR-165*	*GW-TMTR-020*	*GW-TM-083*	*GW-TM-085*	*TMMD-156*	*TMMD-158*	*GW-110901-JPJB-207*	*GW-050902-TA-276*	*GW-110502-RKTA-296*	*GW-050603-TA-373*	*GW-050603-TA-374*
Sample Date:		*2/23/2000*	*6/9/2000*	*11/2/2000*	*11/2/2000*	*5/17/2001*	*5/17/2001*	*11/9/2001*	*05/09/02*	*11/05/02*	*05/06/03*	*05/06/03*
		Duplicate			*Duplicate*		*Duplicate*					
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	3 J	8	2.4 J	3.2 J	3	3 J	2	1.6	1.8	1.2	1.2
Carbon disulfide	ug/L	ND (2) UJ	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (2) UJ	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	0.9 J	1	1.2	1.2	2	2 J	2	0.97 J	1.1	0.83J	0.8J
1,1-Dichloroethane	ug/L	62 J	41	49	52	54	53	48	36	47	35H	35
cis-1,2-Dichloroethene	ug/L	12 J	20	12	13	21	18 J	14	7.4	8.9	6.6H	6.6
2-Butanone	ug/L	ND (2) UJ	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	5
Chloroform (Trichloromethane)	ug/L	3 J	5	5.4	5.7	4	ND (0.5)	2	1.3	2.4	1.6H	1.7
1,1,1-Trichloroethane	ug/L	150 J	120	140	150	130	120	97	83	110	71	71
Carbon tetrachloride	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	**150 J**	**130**	**160**	**170**	**140**	**140**	**130**	**98**	**120**	**87**	**85**
1,2-Dichloropropane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (2) UJ	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (1)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (0.5) UJ	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	**7 J**	**10**	**9.4**	**9.4**	**6**	5 J	**6**	3.9	4.5	3.9	4.1
Dibromochloromethane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-23*	*CRA-23*	*CRA-23*	*CRA-23*	*CRA-23*	*CRA-23*	*CRA-23*	*CRA-23*	*CRA-24A*	*CRA-24A*	*CRA-24A*
Sample ID:		*GW-TMTR-161*	*GW-TMTR-012*	*GW-TM-081*	*TMMD-152*	*GW-110801-JPJB-201*	*GW-050702-TA-251*	*GW-110502-RKTA-298*	*GW-050603-TADK-377*	*GW-TMTR-160*	*GW-TMTR-023*	*GW-TM-110*
Sample Date:		*2/23/2000*	*6/8/2000*	*11/2/2000*	*5/17/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*2/22/2000*	*6/8/2000*	*11/2/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	0.6	ND (0.5)
Bromomethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	2	1	ND (0.5)
Carbon disulfide	ug/L	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Acetone	ug/L	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Methylene chloride	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.7) U	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Chloroform (Trichloromethane)	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	66	52	22
Carbon tetrachloride	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	65	59	18
1,2-Dichloropropane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (10)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)
Toluene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-24A*	*CRA-24A*	*CRA-24A*	*CRA-24A*	*CRA-24A*	*CRA-24A(Dup)*	*CRA-24B*	*CRA-24B*	*CRA-24B*	*CRA-24B*	*CRA-24B*
Sample ID:		*TMMD-137*	*GW-110801-JPJB-198*	*GW-050702-JMDE-249*	*GW-110502-RKTA-293*	*GW-050603-TADK-380*	*GW-050603-TADK-381*	*GW-TMTR-162*	*GW-TMTR-021*	*GW-TM-111*	*TMMD-139*	*GW-110801-JPJB-200*
Sample Date:		*5/16/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*05/06/03*	*2/22/2000*	*6/8/2000*	*11/2/2000*	*5/16/2001*	*11/8/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Acetone	ug/L	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Methylene chloride	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5) UJ*	*ND (0.5)*	*ND (0.5)*
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	12	8	7.1	7.2	4	4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	**10**	**6**	**4.4**	3.3	3.8	3.9	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.73(J)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	*ND (2)*	*ND (2)*	*ND (5)*	*ND (5.0)*	*ND (5.0)*	*ND (5.0)*	*ND (2)*	*ND (2)*	*ND (2.0)*	*ND (2)*	*ND (2)*
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-24B*	*CRA-24B*	*CRA-24B*	*CRA-25*	*CRA-25*	*CRA-25*	*CRA-25*	*CRA-25*	*CRA-25*	*CRA-25*	*CRA-25*
Sample ID:		*GW-050702-JMDE-260*	*GW-110502-RKTA-294*	*GW-0500703-TADK-382*	*GW-TMTR-107*	*GW-TMTR-168*	*GW-TMTR-010*	*GW-TM-079*	*TMMD-141*	*GW-110701-JPJB-188*	*GW-050702-TA-250*	*GW-110502-RKTA-295*
Sample Date:		*5/7/02*	*11/05/02*	*05/07/03*	*12/6/1999*	*2/23/2000*	*6/8/2000*	*11/2/2000*	*5/16/2001*	*11/7/2001*	*5/7/02*	*11/05/02*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Vinyl chloride	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromomethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Carbon disulfide	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Acetone	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Methylene chloride	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
2-Butanone	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Carbon tetrachloride	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Benzene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Trichloroethene	ug/L	.73 J	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromodichloromethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Toluene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Tetrachloroethene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Dibromochloromethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Chlorobenzene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Ethylbenzene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Styrene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromoform	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Xylene (total)	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-25*	*CRA-34A*	*CRA-34A*	*CRA-34A*	*CRA-34A*	*CRA-34A*	*CRA-34A*	*CRA-34A*	*CRA-34A*	*CRA-34B*	*CRA-34B*
Sample ID:		*GW-050703-TADK-383*	*GW-TMTR-166*	*GW-TMTR-027*	*GW-TM-112*	*TMMD-169*	*GW-110801-JPJB-205*	*GW-050702-TA-252*	*GW-110502-RKTA-291*	*GW-050603-TADK-378*	*GW-TMTR-164*	*GW-TMTR-025*
Sample Date.		*05/07/03*	*2/23/2000*	*6/9/2000*	*11/2/2000*	*5/22/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*2/23/2000*	*6/9/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Acetone	ug/L	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Methylene chloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Carbon tetrachloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Toluene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*CRA-34B*	*CRA-34B*	*CRA-34B*	*CRA-34B*	*CRA-34B*	*CRA-34B*	*EW1S-1*	*EW1S-1*	*EW1S-1*	*EW1S-1*	*EW1S-1*
Sample ID:		*GW-TM-113*	*TMMD-171*	*GW-110801-JPJB-203*	*GW-050702-TA-253*	*GW-110502-RKTA-292*	*GW-050603-TADK-379*	*EW-TMTR-189*	*EW-TMTR-077*	*EW-TM-089*	*TMMD-174*	*EW-111201-JPJB-225*
Sample Date:		*11/2/2000*	*5/22/2001*	*11/8/2001*	*5/7/02*	*11/05/02*	*05/06/03*	*3/1/2000*	*6/20/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	24	24	18	13	11
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.9	2	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)
Acetone	ug/L	2.0	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	17	15	11	11	9
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	250	200	160	140	150
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	120	130	85	70	63
2-Butanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	31	30	26	18	20 J
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.8	0.8	0.6	0.6	0.5
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)	ND (1.0)	13	14	10	10	11 J
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	3	3	2.2	2	2
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	1	1	0.8	0.6	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.6	0.6	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*EW1S-1*	*EW1S-1*	*EW1S-1 Dup.*	*EW1S-1*	*EW1S-2*	*EW1S-2*	*EW1S-2*	*EW1S-2*	*EW1S-2*	*EW1S-2*	*EW1S-2*
Sample ID:		*EW-050802-JMWF-267*	*GW-110502-RKTA-330*	*GW-110502-RKTA-331*	*GW-050703-TADK-390*	*EW-TMTR-191*	*EW-TMTR-076*	*EW-TM-091*	*TMMD-176*	*EW-111201-JPJB-226*	*EW-050802-JMWF-266*	*GW-110502-RKTA-332*
Sample Date:		*5/8/02*	*11/06/02*	*11/06/02*	*05/07/03*	*3/1/2000*	*6/20/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*	*5/8/02*	*11/06/02*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Vinyl chloride	ug/L	**10**	**10**	**10**	**8.6**	**120**	**100**	**82**	**85**	**96**	**100**	**69**
Bromomethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	5	7	4.3	3	3	3.3	2.4
Carbon disulfide	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Acetone	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Methylene chloride	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	7.5	7.8	8.1	6.4	18	21	25	27	ND (0.5)	22	22
1,1-Dichloroethane	ug/L	100	120	120	95	580	520	470	480	630	420	390
cis-1,2-Dichloroethene	ug/L	49	59	60	46	**450**	**470**	**450**	**440**	**500**	**370**	**360**
2-Butanone	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	0.6	0.9	1.1	0.8	0.9 J	0.53J	0.61
1,1,1-Trichloroethane	ug/L	11	13	13	11	100	94	80	81	110	78	76
Carbon tetrachloride	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Benzene	ug/L	0.41J	ND (1.0)	ND (1.0)	ND (1.0)	0.9	1	1.3	1	1	0.93	1.0 J
1,2-Dichloroethane	ug/L	**6.2**	**6.5**	**6.9**	**5.3**	1	2	1.6	2	2 J	ND (1)	1.3
Trichloroethene	ug/L	1.5	1.8	1.9	1.6	**98**	**85**	**67**	**70**	**96**	**81**	**78**
1,2-Dichloropropane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	0.5	ND (0.5)	0.6	ND (1)	ND (1.0)
Bromodichloromethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Toluene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	0.7	ND (0.5)	0.7	ND (1)	ND (1.0)
Tetrachloroethene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	**7**	**7**	**7.2**	**5**	**6**	**3.7**	**4.3**
Dibromochloromethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Chlorobenzene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Ethylbenzene	ug/L	.48J	0.58 J	0.68 J	0.54 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Styrene	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromoform	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Xylene (total)	ug/L	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*EW1S-2*	*EW1S-3*	*EW1S-3*	*EW1S-3*	*EW1S-3*	*EW1S-3*	*EW1S-3*	*EW1S-3*	*EW1S-3*	*EW1S-4*	*EW1S-4*
Sample ID:		*GW-050703-TADK-391*	*EW-TMTR-193*	*EW-TMTR-075*	*EW-TM-093*	*TMMD-178*	*EW-111201-JPJB-227*	*EW-050802-JMWF-265*	*GW-110502-RKTA-333*	*GW-050703-TADK-392*	*EW-TMTR-195*	*EW-TMTR-073*
Sample Date:		*05/07/03*	*3/1/2000*	*6/20/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*	*5/8/02*	*11/06/02*	*05/07/03*	*3/1/2000*	*6/20/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	93	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (1.0)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND(10)	8	10	6.5	4	5	4.5	3.2	3.4	3	3
Carbon disulfide	ug/L	ND(50)	ND (4)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Acetone	ug/L	ND(50)	ND (4)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Methylene chloride	ug/L	ND(10)	ND (1)	ND (0.8) U	ND (0.5) UJ	ND (0.8) U	0.5	ND (1)	ND (1.0)	ND (1.0)	1	ND (0.6) U
trans-1,2-Dichloroethene	ug/L	26	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	400	7	8	12	13	17	15	14	16	15	16
cis-1,2-Dichloroethene	ug/L	360	3	5	5.7	5	5	3.7	3.8	4	6	6
2-Butanone	ug/L	ND(50)	ND (4)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND(10)	11	13	14	11	11	8.5	7.0	6.5	4	4
1,1,1-Trichloroethane	ug/L	74	140	120	100	110	120	110	100	110	38	38
Carbon tetrachloride	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	0.7
Trichloroethene	ug/L	81	160	130	110	110	120	140	140	140	6	6
1,2-Dichloropropane	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND(50)	ND (4)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Toluene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	5.4J	8	8	10	7	10	9.2	12	10	28	27
Dibromochloromethane	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND(10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (10)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)

TABLE I.2

GROUNDWATER CHARACTERIZATION
ONE LINE ROAD SOUTH
FISHER-CALO SITE

Sample Location:		*EW1S-4*	*EW1S-4*	*EW1S-4*	*EW1S-4*	*EW1S-4*	*EW1S-4*	*EW1S-4*
Sample ID:		*EW-TMTR-074*	*EW-TM-095*	*TMMD-180*	*EW-111201-JPJB-228*	*EW-050802-JMDE-264*	*GW-110502-RKTA-334*	*GW-050703-TADK-393*
Sample Date:		*6/20/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*	*5/8/02*	*11/06/02*	*05/07/03*
		Duplicate						
Parameter (Volatiles)	*Unit*							
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	3	2.2	1	2	1.5	ND (1.0)	1.4
Carbon disulfide	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	*ND (0.6) U*	*ND (0.5) UJ*	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	.36J	ND (1.0)	0.41 Ja
1,1-Dichloroethane	ug/L	16	18	14	21	17	15	17
cis-1,2-Dichloroethene	ug/L	6	6.8	5	7	5.9	5.8	5.9
2-Butanone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	5	3.8	2	3 J	1.3J	0.87 J	1.1
1,1,1-Trichloroethane	ug/L	39	32	28	38 J	25J	21	25M
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	0.7	0.7	0.6	0.9 J	ND (1)	0.60 J	0.67 J
Trichloroethene	ug/L	**7**	**7.1**	**5**	**7**	**5.3**	**5.5**	6.7
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Toluene	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	**30**	**30**	**21**	**24**	**20**	**22**	20
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A*	*CRA-16A(Dup)*	*CRA-16B*
Sample ID:		*GW-TMTR-192*	*GW-TMTR-052*	*GW-TMTR-054*	*GW-TM-106*	*TMMD-166*	*GW-111301-JPJB-234*	*GW-050802-JMDE-273*	*GW-110602-AMDE-314*	*GW-050703-AMDE-367*	*GW-050703-AMDE-368*	*GW-TMTR-190*
Sample Date:		*2/28/2000*	*6/15/2000*	*6/15/2000*	*11/2/2000*	*5/18/2001*	*11/13/2001*	*5/8/02*	*11/06/02*	*05/07/03*	*05/07/03*	*2/28/2000*
				Duplicate								
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethene	ug/L	2	2	2	2.2	3	5	7.3	6.3	4.9	4.7	ND (0.5)
Carbon disulfide	ug/L	ND (2) UJ	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2) UJ
Acetone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	3	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	.52J	0.58 J	0.57J	0.59J	ND (0.5)
1,1-Dichloroethane	ug/L	2	2	1	2.3	3	5	6.1	5.1	3.5	3.4	ND (0.5)
cis-1,2-Dichloroethene	ug/L	8	8	6	7.6	12	17	24	17	13	13	ND (0.5)
2-Butanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (5.0)U*	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	8	6	4.3	4	8	17	29	23	21	ND (0.5)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Trichloroethene	ug/L	3	4	4	3.3	3	3	1.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	0.73 J	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Tetrachloroethene	ug/L	**220**	**160**	**160**	**110**	**110**	**72**	**57**	**52**	**31**	**28**	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)

Notes:

H	Alternate peak selection upon analytical review	M	Manually integrated compound
J	Result is an estimated value below the reporting limit.	U*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
a	Concentration is below the method reporting limit	ND (0.5) - The parameter was not detected above the reporting limit The reporting limit is an estimated limit.	

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-16B*	*CRA-16B*	*CRA-16B*	*CRA-16B*	*CRA-16B*	*CRA-16B*	*CRA-16B*	*CRA-16B*	*CRA-33*	*CRA-33*	*CRA-33*
Sample ID:		*GW-TMTR-050*	*GW-TM-107*	*GW-TM-108*	*TMMD-164*	*GW-111301-JPJB-236*	*GW-050802-JMDE-274*	*GW-110602-AMDE-315*	*GW-050703-AMDE-369*	*GW-TMTR-194*	*GW-TMTR-196*	*GW-TMTR-056*
Sample Date:		*6/15/2000*	*11/2/2000*	*11/2/2000*	*5/18/2001*	*11/13/2001*	*5/8/02*	*11/06/02*	*05/07/03*	*2/29/2000*	*2/29/2000*	*6/15/2000*
				Duplicate							*Duplicate*	
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**45 J**	**53**	**29 J**
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	0.8 J
Carbon disulfide	ug/L	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2) UJ	ND (2)
Acetone	ug/L	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	1700	1700	1000
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	3	4	ND (5) U
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	39	42 J	38 J
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	560	600	320
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**340 J**	**430 J**	**310**
2-Butanone	ug/L	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	140 J	100 J	85
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	2 J
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**17**	**17**	**26 J**
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**76**	**71**	**78**
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.6	ND (0.5)	0.6 J
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	2	2	3 J
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	810	830	1200
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	160	190	190
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-33*	*CRA-33*	*CRA-33*	*CRA-33*	*CRA-33*	*CRA-33*	*CRA-48*	*CRA-48*	*CRA-48*	*CRA-48*	*CRA-48*
Sample ID:		*GW-TM-109*	*TMMD-149*	*GW-111301-JPJB-235*	*GW-050802-JMDE-272*	*GW-110602-AMDE-313*	*GW-050703-AMDE-396*	*GW-TMTR-182*	*GW-TMTR-048*	*GW-TM-102*	*TMMD-135*	*GW-111301-JPJB-229*
Sample Date:		*11/2/2000*	*5/18/2001*	*11/13/2001*	*5/8/02*	*11/06/02*	*05/07/03*	*2/25/2000*	*6/15/2000*	*11/1/2000*	*5/16/2001*	*11/13/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	**27**	**16**	**9.2**	**9.2**	**6.3**	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	0.5	ND (0.5)	ND (5)	ND (1.0)	ND(10)	1	1	0.6	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (2.0)	ND (2)	ND (2)	ND (25)	ND (5.0)	ND(50)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Acetone	ug/L	140	ND (2)	ND (2)	ND (25)	ND (5.0)	ND(50)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Methylene chloride	ug/L	2.2	2	1	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	31	22	16	16	14	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	200	140	110	86	49	53	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	**210**	**160**	**86**	**86**	28	10	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (25)	ND (5.0)	ND(50)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	1.4	1	2	ND (5)	ND (1.0)	ND(1.0)	42	58	55	40	45
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	**31**	**22**	**17**	**17**	**17**	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	**67**	**82**	**5.0**	ND (5)	**56**	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	0.5	1	2	ND (5)	2.3	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	3.0	2	5.0	ND (5)	1.7	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	1100	1500	ND (200)	25	ND (5.0)	ND(50)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Toluene	ug/L	220	910	400	400	420	250	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND(10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*CRA-48*	*CRA-48*	*CRA-48*	*CRA-48*	*CRA-48*	*MW-3*	*MW-3*	*MW-3*	*MW-3*	*MW-3*	*MW-3*
Sample ID:		*GW-051302-TA-289*	*GW-051302-TA-290*	*GW-110602-AMDE-323*	*GW-110602-AMDE-324*	*GW-050703-AMDE-400*	*GW-TMTR-179*	*GW-TMTR-046*	*GW-TM-105*	*TMMD-145*	*GW-111301-JPJB-230*	*GW-050802-JMDE-271*
Sample Date:		*5/13/02*	*5/13/02*	*11/06/02*	*11/06/02*	*05/07/03*	*2/25/2000*	*6/15/2000*	*11/2/2000*	*5/17/2001*	*11/13/2001*	*5/8/02*
			Duplicate									
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Vinyl chloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Bromomethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,1-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Carbon disulfide	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Acetone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Methylene chloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
trans-1,2-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,1-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
cis-1,2-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
2-Butanone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Chloroform (Trichloromethane)	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,1,1-Trichloroethane	ug/L	53	51	22	23	19M	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Carbon tetrachloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Benzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,2-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Trichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,2-Dichloropropane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Bromodichloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
4-Methyl-2-pentanone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)
Toluene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Tetrachloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	0.72J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Dibromochloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Chlorobenzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Ethylbenzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Styrene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Bromoform	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)
Xylene (total)	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*MW-3*	*MW-3*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-25*
Sample ID:		*GW-110602-AMDE-322*	*GW-050803-AMDE-417*	*GW-TMTR-186*	*GW-TMTR-055*	*GW-TM-098*	*TMMD-147*	*GW-111301-JPJB-233*	*GW-050802-TA-258*	*GW-110602-AMDE-316*	*GW-050703-AMDE-398*	*GW-TMTR-184*
Sample Date:		*11/06/02*	*05/08/03*	*2/25/2000*	*6/15/2000*	*11/1/2000*	*5/17/2001*	*11/13/2001*	*5/8/02*	*11/06/02*	*05/07/03*	*2/25/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Carbon disulfide	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Acetone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Methylene chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	0.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
2-Butanone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	0.7	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Styrene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Bromoform	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*MW-25*	*MW-25*	*MW-25*	*MW-25*	*MW-25*	*MW-25*	*MW-25*	*MW-48*	*MW-48*	*MW-48*	*MW-48*
Sample ID:		*GW-TMTR-053*	*GW-TM-100*	*TMMD-160*	*GW-111301-JPJB-231*	*GW-050802-TA-259*	*GW-110602-AMDE-318*	*GW-050703-AMDE-399*	*GW-TMTR-188*	*GW-TMTR-057*	*GW-TM-104*	*TMMD-162*
Sample Date:		*6/15/2000*	*11/1/2000*	*5/17/2001*	*11/13/2001*	*5/8/02*	*11/06/02*	*05/07/03*	*2/28/2000*	*6/15/2000*	*11/1/2000*	*5/17/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)
Acetone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*EW2N-2*	*EW2N-2*	*EW2N-3*	*EW2N-3*	*EW2N-3*	*EW2N-3*	*EW2N-3*	*EW2N-3*	*EW2N-3 Dup.*	*EW2N-3*	*EW2N-3*
Sample ID:		*GW-110602-AMDE-319*	*GW-050803-TA-402*	*EW-TMTR-207*	*EW-TMTR-071*	*EW-TM-120*	*TMMD-182*	*EW-111201-JPJB-216*	*EW-050802-TA-255*	*EW-050802-TA-256*	*GW-110602-AMDE-320*	*GE-TA-050803-403*
Sample Date:		*11/06/02*	*05/08/03*	*3/1/2000*	*6/20/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*	*5/8/02*	*5/8/02*	*11/06/02*	*05/08/03*
										Duplicate		
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
2-Butanone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.7	0.81J	0.85J	ND (1.0)	1.2
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND 5)	ND 5)	ND (5.0)	ND (5.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (1.0)	ND (1.0)

TABLE I.3

GROUNDWATER CHARACTERIZATION
TWO LINE ROAD NORTH
FISHER-CALO SITE

Sample Location:		*EW2N-4*	*EW2N-4*	*EW2N-4*	*EW2N-4*	*EW2N-4*	*EW2N-4*	*EW2N-4*	*EW2N-4*
Sample ID:		*EW-TMTR-208*	*EW-TMTR-072*	*EW-TM-121*	*TMMD-183*	*EW-111201-JPJB-214*	*EW-050802-TA-257*	*GW-110602-AMDE-321*	*GW-050803-TA-404*
Sample Date:		*3/1/2000*	*6/20/2000*	*11/3/2000*	*5/21/2001*	*11/12/2001*	*5/8/02*	*11/06/02*	*05/08/03*
Parameter (Volatiles)	*Unit*								
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	0.9	1	2	1.3	1.2	0.93 JH
Carbon disulfide	ug/L	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	0.35 J
1,1-Dichloroethane	ug/L	2	2	3.7	4	4	2.2	2.3	1.5M
cis-1,2-Dichloroethene	ug/L	9	14	21	21	21	18	19	14M
2-Butanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	11	26	27	36	28M
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	3.0	7.1
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*CRA-39*	*CRA-39*	*CRA-39 Dup*	*CRA-39*	*CRA-39*	*CRA-39*	*CRA-39 Dup*	*CRA-39*	*CRA-39*	*CRA-39*	*CRA-39B*
Sample ID:		*GW-TMTR-200*	*GW-TMTR-038*	*GW-TMTR-040*	*GW-TM-127*	*TMMD-172*	*GW-110901-JPJB-211*	*GW-110901-JPJB-213*	*GW-051302-TADE-283*	*GW-110702-AMDE-326*	*GW-050803-AMDE-410*	*GW-TMTR-185*
Sample Date:		*2/29/2000*	*6/14/2000*	*6/14/2000*	*11/6/2000*	*5/18/2001*	*11/9/2001*	*11/9/2001*	*5/13/02*	*11/07/02*	*05/08/03*	*2/29/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
1,1-Dichloroethene	ug/L	2 J	2	2	2.3 J	1	1	1	ND (5)	1.6	0.8J	ND (0.5)
Carbon disulfide	ug/L	ND (2) UJ	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (25)	ND (5.0)	ND (5.0)	ND (2) UJ
Acetone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	6	4	ND (25)	ND (5.0)	ND (5.0)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	0.6 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	2 J	2	2	2.1 J	1	1	1	ND (5)	2.9	0.96J	ND (0.5)
1,1-Dichloroethane	ug/L	63	80	67	70 J	36	38	37	49	51	32	ND (0.5)
cis-1,2-Dichloroethene	ug/L	**350**	**320**	**270**	**250 J**	**190**	**170**	**180**	**230**	**260**	**96**	ND (0.5)
2-Butanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (25)	ND (5.0)	ND (5.0)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,1-Trichloroethane	ug/L	21 J	24	28	36 J	17	24	24	24	26	21M	ND (0.5)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Benzene	ug/L	0.7 J	ND (0.5)	0.5	0.9 J	0.5	ND (0.5)	ND (0.5)	ND (5)	0.52 J	ND (1.0)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Trichloroethene	ug/L	**460**	**540**	**470**	**490 J**	**260**	**270**	**270**	**320**	**460**	**200**	ND (0.5)
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (25)	ND (5.0)	ND (5.0)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Tetrachloroethene	ug/L	**19 J**	**14**	**16**	**21 J**	**9**	**12**	**11**	**14**	**27**	**14**	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Ethylbenzene	ug/L	7 J	6	7	6.5 J	6	6	6	4.1J	4.2	2.4	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)

Notes:

H	Alternate peak selection upon analytical review	M	Manually integrated compound
J	*Result is an estimated value below the reporting limit.*	U*	*LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.*
a	Concentration is below the method reporting limit	ND (0.5) - The parameter was not detected above the reporting limit The reporting limit is an estimated limit.	

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*CRA-39B*	*CRA-39B*	*CRA-39B*	*CRA-39B*	*CRA-39B*	*CRA-39B*	*CRA-39B*	*CRA-54*	*CRA-54*	*CRA-54*	*CRA-54 Dup*
Sample ID:		*GW-TMTR-036*	*GW-TM-126*	*TMMD-170*	*GW-110901-JPJB-209*	*GW-051302-TADE-282*	*GW-110702-AMDE-327*	*GW-050803-AMDE-409*	*GW-TMTR-199*	*GW-TMTR-047*	*GW-TM-124*	*GW-TM-125*
Sample Date:		*6/14/2000*	*11/6/2000*	*5/18/2001*	*11/9/2001*	*5/13/02*	*11/07/02*	*05/08/03*	*2/29/2000*	*6/14/2000*	*11/6/2000*	*11/6/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.6	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*	**23**	**16**	**22**	**19**
Carbon disulfide	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)	ND (2.0)	ND (2.0)
Acetone	ug/L	2	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2.0)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	2	2	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	24	26	18	17
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	610	600	270 J	310
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**1700**	**1500**	**1200 J**	**1200**
2-Butanone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2.0)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**250**	**220**	**350 J**	**350**
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	1	0.5	ND (0.5)
Trichloroethene	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2.0)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.9	0.8	1.6	1.4
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (1)*	*ND (1.0)*	*ND (1.0)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*	*ND (0.5)*
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*CRA-54*	*CRA-54 Dup*	*CRA-54*	*CRA-54*	*CRA-54*	*CRA-54*	*CRA-55*	*CRA-55*	*CRA-55*	*CRA-55*	*CRA-55*
Sample ID:		*TMMD-155*	*TMMD-157*	*GW-110901-JPJB-215*	*GW-051302-TADE-287*	*GW-110602-RKTA-337*	*GW-050603-AMDE-364*	*GW-TMTR-183*	*GW-TMTR-045*	*GW-TM-122*	*TMMD-133*	*GW-110901-JPJB-212*
Sample Date:		*5/18/2001*	*5/18/2001*	*11/9/2001*	*5/13/02*	*11/06/02*	*05/06/03*	*2/29/2000*	*6/14/2000*	*11/6/2000*	*5/16/2001*	*11/9/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	0.5	ND (0.5)	2	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	**9**	**9**	**10**	ND (25)	6.6	ND(25)	**8**	6	**4.1**	3	5
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (2)	ND (120)	ND (5.0)	ND(120)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)
Acetone	ug/L	ND (3) U	ND (2)	ND (2)	ND (120)	ND (5.0)	ND(120)U*	ND (2)	ND (2)	ND (2.0)	2 U	ND (2)
Methylene chloride	ug/L	2	2	2	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	21	20	22	31	21	19 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	290	280	300	390	140	180	17 J	18	9.6	5	5
cis-1,2-Dichloroethene	ug/L	**1300**	**1200**	**1700**	**1400**	**940**	**1400**	1	1	0.8	0.6	2
2-Butanone	ug/L	ND (2)	ND (2)	ND (2)	ND (120)	ND (5.0)	ND(120)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	180	180	180	180	95	160	150	84	84	86	130
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	0.9	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	1	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2)	ND (120)	ND (5.0)	ND(120)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	0.8	0.8	1	ND (25)	0.64 J	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND(25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (25)	ND (1.0)	ND (25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*CRA-55*	*CRA-55*	*CRA-55*	*CRA-55*	*CRA-57*	*CRA-57*	*CRA-57*	*CRA-57*	*CRA-57*	*CRA-57*	*CRA-57*
Sample ID:		*GW-051302-TADE-285*	*GW-051302-TADE-286*	*GW-110602-RKTA-338*	*GW-050603-AMDE-363*	*GW-TMTR-197*	*GW-TMTR-043*	*GW-TM-103*	*TMMD-151*	*GW-110901-JPJB-208*	*GW-051302-TADE-284*	*GW-110602-RKTA-335*
Sample Date:		*5/13/02*	*5/13/02*	*11/06/02*	*05/06/03*	*2/29/2000*	*6/14/2000*	*11/6/2000*	*5/18/2001*	*11/9/2001*	*5/13/02*	*11/06/02*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Vinyl chloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromomethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1-Dichloroethene	ug/L	4	3.6	2.8	2.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Carbon disulfide	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Acetone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)U*
Methylene chloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1-Dichloroethane	ug/L	1.1	1	0.73 J	0.38Ja	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	0.35Ja	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
2-Butanone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)U*
Chloroform (Trichloromethane)	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,1-Trichloroethane	ug/L	150	140	120	140	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Carbon tetrachloride	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)UM	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)
Benzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (1.0)
Trichloroethene	ug/L	ND (1)	ND (1)	1.4	1.0	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	1.4
1,2-Dichloropropane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromodichloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)
Toluene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Tetrachloroethene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Dibromochloromethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Chlorobenzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Ethylbenzene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Styrene	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromoform	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Xylene (total)	ug/L	ND (1)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*CRA-57*	*CRA-61*	*CRA-61*	*CRA-61*	*CRA-61*	*CRA-61*	*CRA-61*	*CRA-61*	*CRA-61*	*MW-67*	*MW-67*
Sample ID:		*GW-050603-AMDE-365*	*GW-TMTR-198*	*GW-TMTR-041*	*GW-TM-123*	*TMMD-153*	*GW-110901-JPJB-210*	*GW-051302-TADE-288*	*GW-110602-RKTA-336*	*GW-050603-AMDE-362*	*GW-TMTR-181*	*GW-TMTR-037*
Sample Date:		*05/06/03*	*2/29/2000*	*6/14/2000*	*11/6/2000*	*5/18/2001*	*11/9/2001*	*5/13/02*	*11/06/02*	*05/06/03*	*2/29/2000*	*6/13/2000*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5) UJ
Bromomethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Carbon disulfide	ug/L	ND (5)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)
Acetone	ug/L	ND (5)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)
Methylene chloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
2-Butanone	ug/L	ND (5)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Carbon tetrachloride	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Trichloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (5)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)
Toluene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5) UJ
Bromoform	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*MW-67*	*MW-67*	*MW-67*	*MW-67*	*MW-67*	*MW-67*	*EWSL-1*	*EWSL-1 Dup*	*EWSL-1*	*EWSL-1*	*EWSL-1*
Sample ID:		*GW-TM-087*	*TMMD-168*	*GW-110801-JPJB-206*	*GW-051302-TADE-281*	*GW-110702-AMDE-325*	*GW-050803-AMDE-415*	*EW-TMTR-201*	*EW-TMTR-202*	*EW-TMTR-069*	*GW-TM-129*	*TMMD-173*
Sample Date:		*11/2/2000*	*5/18/2001*	*11/9/2001*	*5/13/02*	*11/07/02*	*05/08/03*	*3/1/2000*	*3/1/2000*	*6/19/2000*	*11/6/2000*	*5/22/2001*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.6	0.6	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	3	3	2	1.9	2
Carbon disulfide	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2) UJ	ND (2)	ND (2.0)	ND (2)
Acetone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	2	1	ND (2) U	1.0	1
trans-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	10	10	8	8.0	7
1,1-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	240	220	170	160	130
cis-1,2-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**560**	**510**	**410**	**340**	**330**
2-Butanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	2	2	ND (0.5)	1.6	1
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.6	0.6	0.5	0.5	ND (0.5)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	0.9	ND (0.5)	0.9	0.9	ND (0.5)
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	**24**	**25**	**18**	**10**	**10**
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
4-Methyl-2-pentanone	ug/L	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2)	ND (2.0)	ND (2)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*EWSL-1*	*EWSL-1 Dup*	*EWSL-1*	*EWSL-1*	*EWSL-1*	*EWSL-2*	*EWSL-2*	*EWSL-2*	*EWSL-2*	*EWSL-2*	*EWSL-2*
Sample ID:		*EW-111201-JPJB-217*	*EW-111201-JPJB-218*	*EW-051302-TA-280*	*GW-110702-AMDE-339*	*GW-050803-TA-405*	*EW-TMTR-203*	*EW-TMTR-068*	*GW-TM-130*	*TMMD-175*	*EW-111201-JPJB-219*	*EW-051302-TA279*
Sample Date:		*11/12/2001*	*11/12/2001*	*5/13/02*	*11/07/02*	*05/08/03*	*3/1/2000*	*6/19/2000*	*11/6/2000*	*5/22/2001*	*11/12/2001*	*5/13/02*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Vinyl chloride	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
1,1-Dichloroethene	ug/L	**2**	**2**	ND (5)	2.0	1.4	**26**	**23**	**16 J**	6	7	5.4
Carbon disulfide	ug/L	ND (2)	ND (2)	ND (25)	ND (5.0)	ND (5.0)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (25)
Acetone	ug/L	ND (2)	3	ND (25)	ND (5.0)	ND (5.0)	ND (2)	14	ND (2.0)	ND (2)	19	ND (25)
Methylene chloride	ug/L	0.9	0.8	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
trans-1,2-Dichloroethene	ug/L	8	8	6.7	8.6	5.3	2	2	2.0 J	2	2	3.1J
1,1-Dichloroethane	ug/L	140	140	100	100	70	64	57	66 J	63	58	66
cis-1,2-Dichloroethene	ug/L	**340**	**340**	**230**	**300**	**180**	**140**	**170**	**220 J**	**190**	**190**	**210**
2-Butanone	ug/L	ND (2)	ND (2)	ND (25)	ND (5.0)	ND (5.0)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (25)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
1,1,1-Trichloroethane	ug/L	2	2	ND (5)	2.2	1.6	**320**	**270**	**230 J**	**260**	**270**	**210**
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Benzene	ug/L	0.6	0.6	ND (5)	0.85 J	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
1,2-Dichloroethane	ug/L	1	1	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Trichloroethene	ug/L	**14**	**15**	**13**	**12**	**6.2**	**51**	**56**	**78 J**	**66**	**89**	**97**
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (25)	ND (5.0)	ND (5.0)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (25)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2	**6.9**
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (5)	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*EWSL-2*	*EWSL-2*	*EWSL-3*	*EWSL-3*	*EWSL-3*	*EWSL-3*	*EWSL-3*	*EWSL-3*	*EWSL-3*	*EWSL-3*	*EWSL-3*
Sample ID:		*GW-110702-AMDE-340*	*GW-050803-TA-406*	*EW-TMTR-204*	*EW-TMTR-067*	*EW-TM-101*	*TMMD-177*	*EW-111201-JPJB-220*	*EW-051302-TA-278*	*GW-110702-AMDE-341*	*GW-110702-AMDE-342*	*GW-050803-407*
Sample Date:		*11/07/02*	*05/08/03*	*3/1/2000*	*6/19/2000*	*11/3/2000*	*5/22/2001*	*11/12/2001*	*5/13/02*	*11/07/02*	*11/07/02 Duplicate*	*05/08/03*
Parameter (Volatiles)	*Unit*											
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	6.5	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	ND (5.0)	ND(25)	ND (2) UJ	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	16	ND(25)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	4.1	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	55	41	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	**290**	**320**	ND (0.5)	ND (0.5)	ND (0.5)	0.8	0.9	0.73	1 J	1.4	2.2
2-Butanone	ug/L	ND (5.0)	ND(25)U*	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)U*
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	**240**	150M	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Benzene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	**87**	**71**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (5.0)	ND(25)	ND (2)	ND (2)	ND (2.0)	ND (2)	ND (2)	ND (5)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	**12**	**13**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)	ND (1.0)	ND (1.0)

TABLE I.4

GROUNDWATER CHARACTERIZATION
SPACE LEASING
FISHER-CALO SITE

Sample Location:		*EWSL-4*	*EWSL-4*	*EWSL-4*	*EWSL-4 Dup*	*EWSL-4*	*EWSL-4 Dup*	*EWSL-4*	*EWSL-4*	*EWSL-4*
Sample ID:		*EW-TMTR-205*	*EW-TMTR-065*	*EW-TM-097*	*EW-TM-099*	*TMMD-179*	*TMMD-184*	*EW-111201-JPJB-221*	*EW-051302-TA-277*	*GW-110702-AMDE-343*
Sample Date:		*3/1/2000*	*6/19/2000*	*11/3/2000*	*11/3/2000*	*5/22/2001*	*5/22/2001*	*11/12/2001*	*5/13/02*	*11/07/02*
Parameter (Volatiles)	*Unit*									
Chloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Vinyl chloride	ug/L	ND (0.5)	0.6	0.7	ND (0.5)	0.5	0.6	0.6	ND (1)	ND (1.0)
Bromomethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (0.5)	ND (0.5)	0.5	ND (0.5)	ND (0.5)	ND (0.5)	0.6	0.79J	0.62 J
Carbon disulfide	ug/L	ND (2) UJ	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)
Acetone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)
Methylene chloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5) UJ	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	0.92 J
trans-1,2-Dichloroethene	ug/L	0.6	ND (0.5)	0.8	0.8	1	1	1	1.6	1.9
1,1-Dichloroethane	ug/L	120	83	72 J	90 J	86	98	120	120	130
cis-1,2-Dichloroethene	ug/L	35	28	34 J	43 J	45	54	63	**84**	**100**
2-Butanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)
Chloroform (Trichloromethane)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6	ND (1)	ND (1.0)
Carbon tetrachloride	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Benzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6	0.68J	0.55 J
Trichloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	0.73 J
1,2-Dichloropropane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromodichloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
4-Methyl-2-pentanone	ug/L	ND (2)	ND (2)	ND (2.0)	ND (2.0)	ND (2)	ND (2)	ND (2)	ND (5)	ND (5.0)
Toluene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Tetrachloroethene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Dibromochloromethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Chlorobenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Ethylbenzene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Styrene	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Bromoform	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)
Xylene (total)	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.0)

ATTACHMENT VI

MINUTES FROM MONTHLY TELECONFERENCES

LFR
LEVINE•FRICKE

TELECONFERENCE MINUTES

Date: January 7, 2003

Time: 10:00 am CST

Participants: Jeff Gore, USEPA
Resa Ramsey, IDEM
Richard Paulen, Fisher-Calo Trustee
Rob Olian, Fisher-Calo Trustee
David Heidlauf, Environ
Wei-Lin Feng, LFR
Dale Ellingson, LFR

Subject: **Fisher-Calo Superfund Site - Minutes of Monthly Teleconference**

During the teleconference the following items were discussed:

Groundwater Treatment O&M

Wei-Lin Feng stated the system is running at target flow rates. LFR removed a mice nest from the 2L North well field control building and replaced heater. The Semi-Annual Report for the July-December 2002 period will be submitted to the Site Group for review this week. LFR anticipates sending the final Semi Annual Report to EPA and IDEM by the end of January.

The Semi-Annual Report will include a request to reduce the hydraulic monitoring frequency from quarterly to semi-annually beginning in May 2003. This is allowed in the SOW.

No concerns noted by USEPA or IDEM.

Next Call February 4, 2003.

LFR
LEVINE•FRICKE

TELECONFERENCE MINUTES

Date: February 4, 2003

Time: 10:00 am CST

Participants: Jeff Gore, USEPA
Resa Ramsey, IDEM
Richard Paulen, Fisher-Calo Trustee
David Heidlauf, Environ
Wei-Lin Feng, LFR
Dale Ellingson, LFR

Subject: **Fisher-Calo Superfund Site - Minutes of Monthly Teleconference**

During the teleconference the following items were discussed:

Groundwater Treatment O&M

Wei-Lin Feng stated the system ran the entire month of January without an alarm call and is running at target flow rates. The Semi-Annual Report for the July-December 2002 period was submitted to EPA and IDEM last week. LFR performed hydraulic monitoring on the One Line and Two Line Road plumes on February 3, 2003 and will swab force mains February 4, 2003. Space Leasing hydraulic monitoring will occur within the next two weeks.

No concerns noted by USEPA or IDEM.

Next Call March 4, 2003.

LFR
LEVINE•FRICKE

Date: March 4, 2003

TELECONFERENCE MINUTES

Time: 10:00 am CST

Participants: Jeff Gore, USEPA
Resa Ramsey, IDEM
Richard Paulen, Fisher-Calo Trustee
Bruce White Fisher Calo Trustee
David Heidlauf, Environ
Wei-Lin Feng, LFR
Dale Ellingson, LFR

Subject: **Fisher-Calo Superfund Site - Minutes of Monthly Teleconference**

During the teleconference the following items were discussed:

Groundwater Treatment O&M

Wei-Lin Feng stated the system ran the entire month of February without an alarm call and is running at target flow rates. LFR completed hydraulic monitoring and swabbed all force mains during February. Also, LFR cleaned Air Stripper 2 and the operating pressure dropped from 29 to 16 psi. LFR plans to change some pump wet ends in April before planting season begins. LFR will notify Jeff and Resa of the schedule.

Jeff asked about additional wells to be sampled in May. LFR will sample the plume monitoring wells (every five years) in addition to the regular semi-annual well list.

Resa has some comments to the semi-annual report. Resa will call Dale at LFR directly to discuss comments.

No other concerns noted by USEPA or IDEM.

Next Call April 8, 2003.

LFR
LEVINE•FRICKE

Date: April 8, 2003

TELECONFERENCE MINUTES

Time: 10:00 am CDT

Participants: Jeff Gore, USEPA
Resa Ramsey, IDEM
Richard Paulen, Fisher-Calo Trustee
Rob Olian, Fisher Calo Trustee
David Heidlauf, Environ
Wei-Lin Feng, LFR
Dale Ellingson, LFR

Subject: **Fisher-Calo Superfund Site - Minutes of Monthly Teleconference**

During the teleconference the following items were discussed:

Groundwater Treatment O&M

Wei-Lin Feng stated the system was shut down for about 12 hours because of a power outage, no other alarm calls during the month of March. All wells running at target flow rates except EWSL-2. LFR will change wet ends and swab yard piping at Space Leasing and Two Line North next week beginning April 16. Semi-annual ground water sampling and hydraulic monitoring scheduled to begin on May 5. The expanded list of wells (69 total instead of 46) will be sampled. LFR using CO2 compressed gas tanks instead of air compressors for sampling. LFR will conduct annual treatment plant sampling of influent and effluent next week.

LFR will send out revisions to data validation section of the semi-annual report within one week.

Resa and Jeff agreed to the proposed semi-annual hydraulic monitoring schedule beginning in May 2002. Hydraulic monitoring will now be concurrent with semi-annual ground water sampling.

No other concerns noted by USEPA or IDEM.

Next Call May 6, 2003.

LFR
LEVINE•FRICKE

Date: May 6, 2003

TELECONFERENCE MINUTES

Time: 10:00 am CDT

Participants: Jeff Gore, USEPA
Resa Ramsey, IDEM
Richard Paulen, Fisher-Calo Trustee
Rob Olian, Fisher Calo Trustee
David Heidlauf, Environ
Wei-Lin Feng, LFR
Dale Ellingson, LFR

Subject: **Fisher-Calo Superfund Site - Minutes of Monthly Teleconference**

During the teleconference the following items were discussed:

Groundwater Treatment O&M

Wei-Lin Feng stated the system was shut down for about 12 hours because of a power outage, no other alarm calls during the month of April. LFR performed system maintenance including changing wet ends and swabbing yard piping on selected wells in all plumes. Semi-annual ground water sampling and hydraulic monitoring began yesterday (May 5). The expanded lists of wells (69 total instead of 46) are being sampled.

LFR conducted annual treatment plant sampling of influent and effluent water. The results were similar to previous sampling events with the exception of a drop in the total iron level in the influent.

No other concerns noted by USEPA or IDEM.

Next Call June 3, 2003.

LFR
LEVINE•FRICKE

Date: June 3, 2003 **TELECONFERENCE MINUTES**

Time: 10:00 am CDT

Participants: Jeff Gore, USEPA
Resa Ramsey, IDEM
Richard Paulen, Fisher-Calo Trustee
Rob Olian, Fisher Calo Trustee
David Heidlauf, Environ
Wei-Lin Feng, LFR
Dale Ellingson, LFR

Subject: **Fisher-Calo Superfund Site - Minutes of Monthly Teleconference**

During the teleconference the following items were discussed:

Groundwater Treatment O&M

Wei-Lin Feng stated the system was shut down for short periods because of power outages, no other alarm calls during the month of May. Extraction well EWSL-02 pump motor was replaced on May 16 due to abnormal current draw.

Semi-annual ground water sampling and hydraulic monitoring was completed May 8. The results are in and are being compiled and will be presented in the Annual Report. LFR anticipates a draft Annual Report will be submitted to the Site Group by the end of June. The final report to the EPA and IDEM will be submitted in July.

LFR observed the pH data collected during the semi-annual sampling event. The pH levels appear to be relatively uniform across the Site. The values generally range from 7.5 to 8.0. LFR will adjust the carbon dioxide injection rates at One Line South and One Line North plumes according to the pH measured in the wells.

The owner of the access road to the One Line South well field control building, Mr. Robinson, requested installation of locking gates to keep people off of his property and allow LFR access. LFR will provide a proposal to the Site Group to install four gates.

Mr. Gore, Ms. Ramsey and Mr. Heidlauf observed ground water sampling on May 8, 2003. During the Site Visit, Mr. Heidlauf showed Ms. Ramsey evidence of recent dumping along Hupp Road. Ms. Ramsey notified the LaPorte County Health Department about the dumping.

No other concerns noted by USEPA or IDEM.

Next Call July 1, 2003.