TRC
Customer-Focused Solutions

January 13, 2004

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

ATTN: MS. MANJULIKA CHAKRABARTI

SITE: FORMER JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
SLIC # 203

RE: 2003 Annual Groundwater Monitoring and Sampling Report

Dear Ms. Chakrabarti:

Please find enclosed the 2003 Annual Groundwater Monitoring and Sampling Report for the subject location, prepared for ExxonMobil Oil Corporation by TRC. The contents of this report include:

Summary Sheet
Exhibit 1 Sampling Schedule
Exhibit 2 Summary of Groundwater Levels and Chemical Analysis Results
Exhibit 3 Figures
Exhibit 4 Groundwater Elevation vs. Benzene and MTBE Graphs
Exhibit 5 Groundwater Sampling and Well Purging Protocol
Exhibit 6 Monitoring Well Sampling Forms
Exhibit 7 Analytical Laboratory Data Sheets

Should you have any questions, please call Alan Dreher, ExxonMobil Project Manager, at (713) 656-5663 or Jeff Hensel, TRC Project Manager, at (949) 341-7449.

Sincerely,

Jeff Hensel, RG, REA
Project Manager

cc: Greg Chila, The O'Donnell Group, Inc.
Alan Dreher, ExxonMobil Oil Corporation

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21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

TRC

Groundwater Monitoring And Sampling Report Summary Sheet

2003 Annual Groundwater Report

Former Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, CA
Current Property Owner: The O'Donnell Group, Inc.

Case #: SLIC 203

FIELD ACTIVITY:

		Date(s) sampled:	12/23/03
Groundwater wells onsite:	2	Groundwater wells monitored:	2
Groundwater wells offsite:	0	Groundwater wells sampled:	2
Groundwater wells with measurable free product:	0	Range in thickness of measurable free product:	0 - 0 ft.

SITE HYDROLOGY:

Average depth to groundwater below top of casing:	79.05 ft.
Average elevation of potentiometric surface above Mean Sea Level:	53.34 ft.
Average increase/decrease in groundwater elevations since last sampling episode:	-8.50 ft.
Groundwater gradient and flow direction:	0.003 ft/ft, historically south-southwest

SUMMARY OF GROUNDWATER CONCENTRATIONS

Nature of Contamination: **Chlorinated Hydrocarbons**

TPH-G		MTBE	
Number of wells with detectable TPH-G:	N/A	Number of wells with detectable MTBE:	0 of 2
Range in TPH-G concentrations:	N/A	Range in MTBE concentrations:	----
Benzene		**TBA**	
Number of wells with detectable benzene:	0 of 2	Number of wells with detectable TBA:	0 of 2
Range in benzene concentrations:	----	Range in TBA concentrations:	----

* Refer to Exhibit 2 for a summary of groundwater levels and concentrations by well.

SITE STATUS:

Groundwater Monitoring and Sampling

ADDITIONAL INFORMATION:

VOC'S detected include chloroform, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, 1,2-dichloropropane, tetrachloroethene, 1,1,1-trichloroethane, and trichloroethene.

Prepared by: _____ Project Manager

Approved by: _____ Associate, Irvine Operations

TRC ~~Alton~~ Geoscience Project No: 230134

CERTIFIED ENGINEERING GEOLOGIST
DENNIS E. JENSEN
No. EG 1034
Exp. 4/05
STATE OF CALIFORNIA

Exhibit 1

Sampling Schedule

MONITORING WELL SAMPLING SCHEDULE 2003
Former Jalk Fee Property

Well Number	Total Depth	Purge (P) or No Purge (NP)	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MMW-4	103.65	NP				X
MMW-5	106.35	NP				X

X = Well scheduled for sampling

Exhibit 2

Summary of Groundwater Levels and Chemical Analysis Results

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
TOC	=	top of casing
PCB	=	polychlorinated biphenyls

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:
Surface elevation – depth to water + (0.82 x LPH thickness).

0.82 is the average specific gravity for crude oil

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 µg/l for graphical display.

J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

Former Jalk Fee Property

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8260B (µg/l)	TBA 8260B (µg/l)	Comments
MMW-4													
12/23/03	131.40	78.38	0.00	53.02	-8.57	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	
MMW-5													
12/23/03	133.38	79.72	0.00	53.66	-8.43	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	

Table 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
Former Jalk Fee Property

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8260B (µg/l)	TBA 8260B (µg/l)	Comments
MMW-3													
6/6/00	134.26	70.69	0.00	63.57	--	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<50	
8/31/00	134.26	70.67	0.00	63.59	0.02	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<2.0	1.9	ND<50	
11/28/00	134.26	71.49	0.00	62.77	-0.82	--	ND<0.50	ND<1.0	ND<1.0	ND<2.0	7.0	ND<50	
3/5/01	134.26	71.30	0.00	62.96	0.19	--	ND<0.50	ND<1.0	ND<1.0	ND<2.0	7.6	ND<50	
6/12/01	134.26	70.07	0.00	64.19	1.23	--	3.7	5.7	1.4	5.3	13	ND<50	
MMW-4													
6/6/00	131.40	70.46	0.00	60.94	--	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<50	
8/31/00	131.40	70.58	0.00	60.82	-0.12	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<50	
11/28/00	131.40	71.28	0.00	60.12	-0.70	--	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<50	
3/5/01	131.40	71.02	0.00	60.38	0.26	--	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<50	
6/12/01	131.40	69.81	0.00	61.59	1.21	--	13	12	2.1	7.9	1.2	ND<50	
12/23/03	131.40	78.38	0.00	53.02	-8.57	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	
MMW-5													
6/6/00	133.38	71.79	0.00	61.59	--	ND<500	ND<2.5	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<250	
9/15/00	133.38	71.86	0.00	61.52	-0.07	136	ND<2.5	ND<5	ND<5	ND<10	ND<5	ND<250	
11/28/00	133.38	72.58	0.00	60.80	-0.72	--	ND<2.5	ND<5	ND<5	ND<10	ND<5	ND<250	
3/5/01	133.38	72.47	0.00	60.91	0.11	--	ND<2.5	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<250	
6/12/01	133.38	71.29	0.00	62.09	1.18	--	1.3	2.3	ND<2.0	ND<4.0	ND<2.0	ND<100	
12/23/03	133.38	79.72	0.00	53.66	-8.43	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former Jalk Fee Property

Date Sampled	Styrene (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Vinyl acetate (µg/l)	MIBK (µg/l)	Chloro-benzene (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	2-Hexanone (µg/l)
MMW-3															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/31/00	--	--	--	--	--	--	--	--	--	4.4	--	--	--	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	14	0.65 J	ND<1.0	ND<1.0	ND<0.50	ND<10
6/12/01	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.97	ND<10	ND<10	ND<1.0	ND<1.0	9.5	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<10
MMW-4															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/31/00	--	--	--	--	--	--	--	--	--	6.7	--	--	--	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.62	ND<10	ND<10	ND<1.0	ND<1.0	26	2.3	ND<1.0	ND<1.0	ND<0.50	ND<10
6/12/01	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<10	ND<10	ND<1.0	ND<1.0	11	2.0	ND<1.0	ND<1.0	ND<0.50	ND<10
12/23/03	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.84	ND<10	ND<10	ND<1.0	ND<1.0	16	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<10
MMW-5															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/15/00	--	--	--	--	--	--	--	--	--	ND<1	--	--	--	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<50	ND<50	ND<5.0	ND<5.0	650	4.1 J	ND<5.0	ND<5.0	ND<2.5	ND<50
6/12/01	ND<2.0	ND<1.0	ND<1.0	ND<2.0	1.3	ND<20	ND<20	ND<2.0	ND<2.0	350	3.7	ND<2.0	ND<2.0	ND<1.0	ND<20
12/23/03	ND<1.0	ND<0.50	ND<0.50	ND<1.0	4.8	ND<10	ND<10	ND<1.0	ND<1.0	660	61	ND<1.0	ND<1.0	ND<0.50	ND<10

Table 3b
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former Jalk Fee Property

Date Sampled	Acetone (µg/l)	Chloro-form (µg/l)	1,1,1-TCE (µg/l)	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Carbon Disulfide (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	Trichloro-fluoro-methane (µg/l)	1,2-dichloro-propane (µg/l)
MMW-3															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/31/00	--	--	--	--	--	--	--	--	--	--	--	1.7	6.5	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	5.7 J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	1.5	7.5	ND<10	ND<1.0
6/12/01	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	1.9	9.9	ND<10	1.4
MMW-4															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/31/00	--	--	--	--	--	--	--	--	--	--	--	1.9	2.0	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	7.3 J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	2.7	5.4	ND<10	ND<1.0
6/12/01	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	2.6	4.7	ND<10	ND<1.0
12/23/03	ND<10	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	2.3	8.8	ND<10	ND<1.0
MMW-5															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/15/00	--	--	--	--	--	--	--	--	--	--	--	ND<1	ND<1	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	62	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.5	ND<50	ND<50	ND<5.0	ND<5.0	3.6 J	61	ND<50	ND<5.0
6/12/01	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<20	ND<20	ND<2.0	ND<2.0	3.2	42	ND<20	2.5
12/23/03	ND<10	1.6	5.2	ND<10	ND<10	ND<1.0	ND<0.50	ND<10	ND<10	ND<1.0	ND<1.0	14	190	ND<10	2.5

Table 3c
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former Jalk Fee Property

Date Sampled	MEK (µg/l)	1,1,2-TCA (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloroethane (µg/l)	1,2-DCB (µg/l)	Dichloro-difluoro-methane (µg/l)	n-Propyl-benzene (µg/l)	n-Butyl-benzene (µg/l)	4-Chloro-toluene (µg/l)	EDB (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	Bromo-benzene (µg/l)	1,2,4-Trichloro-benzene (µg/l)	sec-Butyl-benzene (µg/l)	1,3-Dichloro-propane (µg/l)
MMW-3															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/31/00	--	--	.5	--	--	--	--	--	--	--	--	--	--	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	ND<10	ND<1.0	20	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	ND<1.0	ND<1.0	ND<1.0
6/12/01	ND<10	ND<1.0	22	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	ND<1.0	ND<1.0	ND<1.0
MMW-4															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/31/00	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	ND<10	ND<1.0	27	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	ND<1.0	ND<1.0	ND<1.0
6/12/01	ND<10	ND<1.0	21	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	ND<1.0	ND<1.0	ND<1.0
12/23/03	ND<10	ND<1.0	21	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	ND<1.0	ND<1.0	ND<1.0
MMW-5															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/15/00	--	--	ND<1	--	--	--	--	--	--	--	--	--	--	--	--
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/5/01	ND<50	ND<5.0	63	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	ND<5.0	ND<5.0	ND<5.0
6/12/01	ND<20	ND<2.0	44	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/23/03	ND<10	ND<1.0	140	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	ND<1.0	ND<1.0	ND<1.0

Table 3d
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former Jalk Fee Property

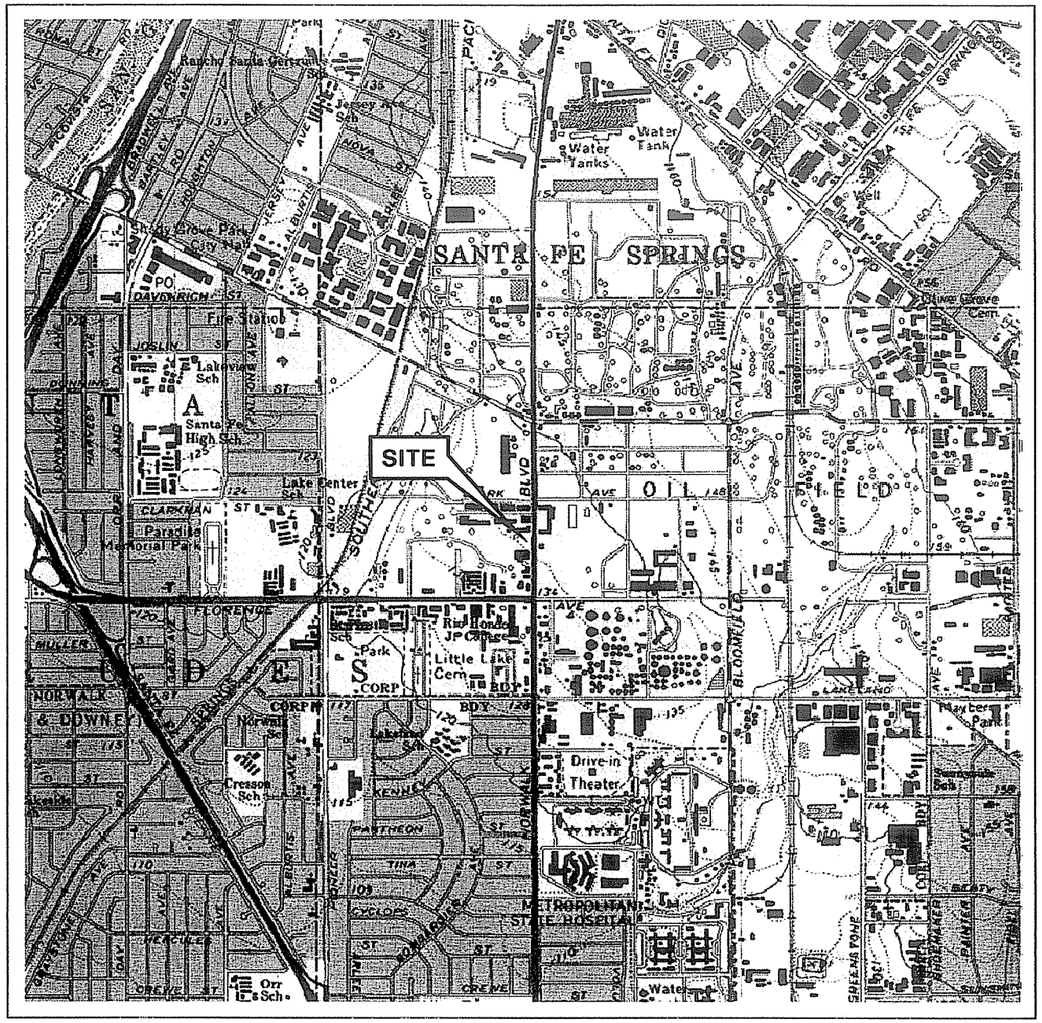
Date Sampled	1,1-Dichloro-propene (µg/l)	2,2-Dichloro-propane (µg/l)	1,1,1,2-Tetrachloroethane (µg/l)	Dibromo-methane (µg/l)	Bromo-chloro-methane (µg/l)	1,2,3-Trichloro-benzene (µg/l)	2-Chloro-toluene (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	DBCP (µg/l)	1,2,3-Trichloro-propane (µg/l)	tert-Butyl-benzene (µg/l)	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Naphth-alene (µg/l)	TAME 8260B (µg/l)
MMW-3															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
8/31/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
3/5/01	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<5.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0
6/12/01	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<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0
MMW-4															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
8/31/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
3/5/01	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<5.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0
6/12/01	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0
12/23/03	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<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0
MMW-5															
6/6/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10
9/15/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10
11/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10
3/5/01	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<25	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<10
6/12/01	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<20	ND<4.0
12/23/03	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<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0

Table 3e
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former Jalk Fee Property

Date Sampled	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Methanol 8015B	Dissolved Oxygen	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MMW-3						
6/6/00	ND<2.0	ND<2.0	ND<0.10	ND<0.10	1.05	--
8/31/00	ND<2.0	ND<2.0	ND<0.10	ND<0.10	1.29	--
11/28/00	ND<2.0	ND<2.0	ND<0.10	ND<0.10	1.39	--
3/5/01	ND<2.0	ND<2.0	--	--	2.25	--
6/12/01	ND<2.0	ND<2.0	--	--	1.87	--
MMW-4						
6/6/00	ND<2.0	ND<2.0	ND<0.10	ND<0.10	1.71	--
8/31/00	ND<2.0	ND<2.0	ND<0.10	ND<0.10	0.96	--
11/28/00	ND<2.0	ND<2.0	ND<0.10	ND<0.10	1.69	--
3/5/01	ND<2.0	ND<2.0	--	--	2.19	--
6/12/01	ND<2.0	ND<2.0	--	--	0.87	--
12/23/03	ND<2.0	ND<2.0	--	--	--	ND<100
MMW-5						
6/6/00	ND<10	ND<10	ND<0.10	ND<0.10	1.25	--
9/15/00	ND<10	ND<10	ND<0.10	0.32	0.51	--
11/28/00	ND<10	ND<10	ND<0.10	ND<0.10	1.85	--
3/5/01	ND<10	ND<10	--	--	2.67	--
6/12/01	ND<4.0	ND<4.0	--	--	1.13	--
12/23/03	ND<2.0	ND<2.0	--	--	--	ND<100

Exhibit 3

Figures



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Whittier Quadrangle

VICINITY MAP

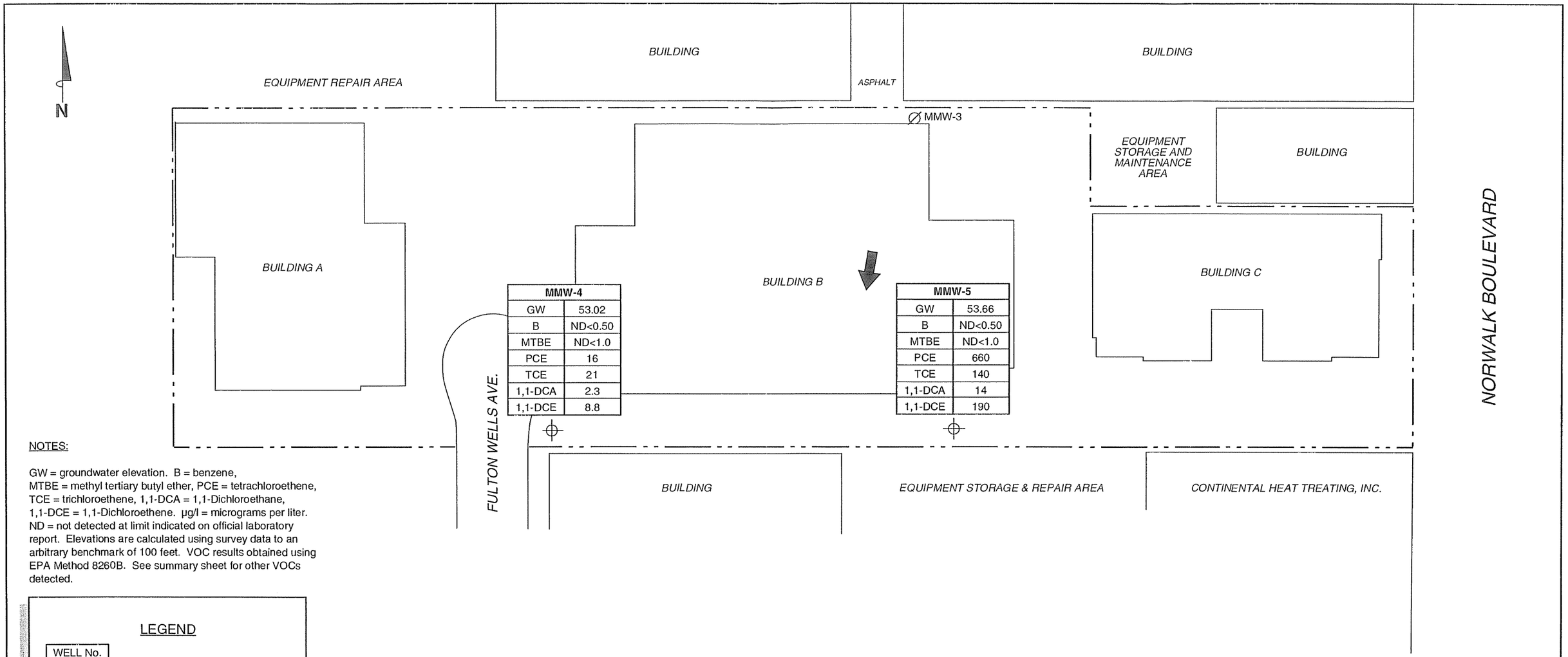
Former Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

FIGURE 1

TRC

PS = 1:1

On Disk\JalkFeevm.dwg 12/17/02 jrw



NOTES:

GW = groundwater elevation. B = benzene, MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, TCE = trichloroethene, 1,1-DCA = 1,1-Dichloroethane, 1,1-DCE = 1,1-Dichloroethene. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Elevations are calculated using survey data to an arbitrary benchmark of 100 feet. VOC results obtained using EPA Method 8260B. See summary sheet for other VOCs detected.

LEGEND

WELL No.
GW
B
MTBE
PCE
TCE
1,1-DCA
1,1-DCE

Monitoring Well with Groundwater Elevation (feet) and Dissolved-Phase Hydrocarbon Concentration (µg/l)

MMW-3 Abandoned Monitoring Well

Historical Direction of Groundwater Flow

TRC

SCALE (FEET)

0 100 200

GROUNDWATER ELEVATION AND DISSOLVED-PHASE HYDROCARBON CONCENTRATION MAP
December 23, 2003

Former Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

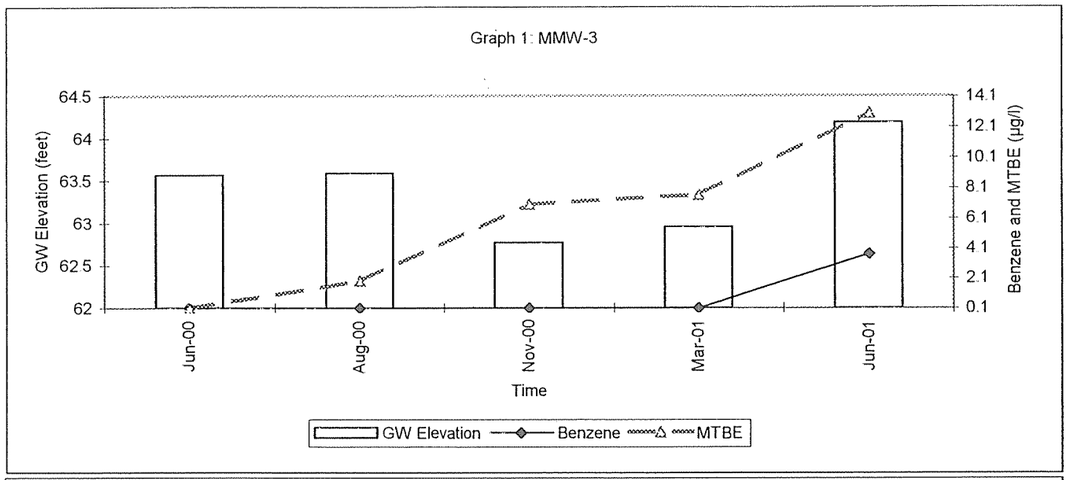
FIGURE 2

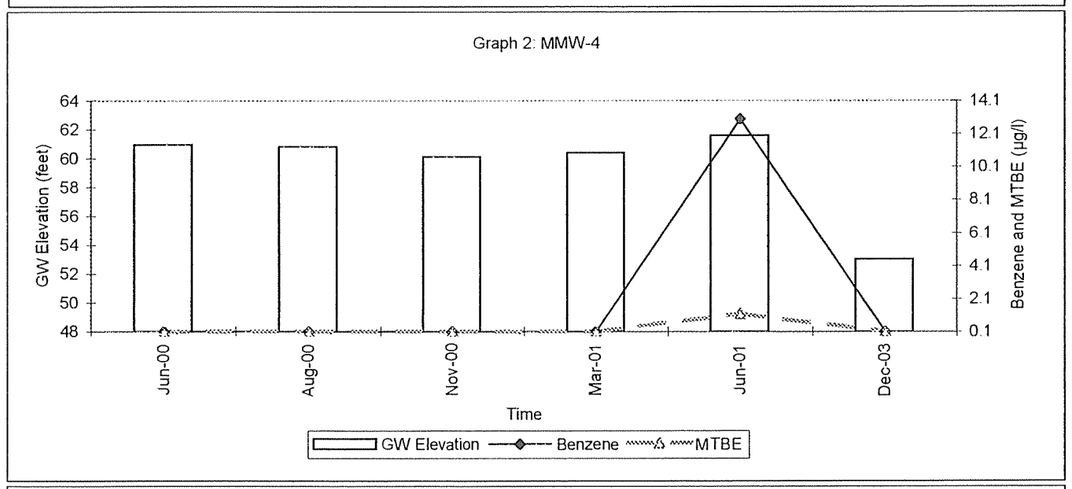
23-0134 QMS 1/7/04 jrw

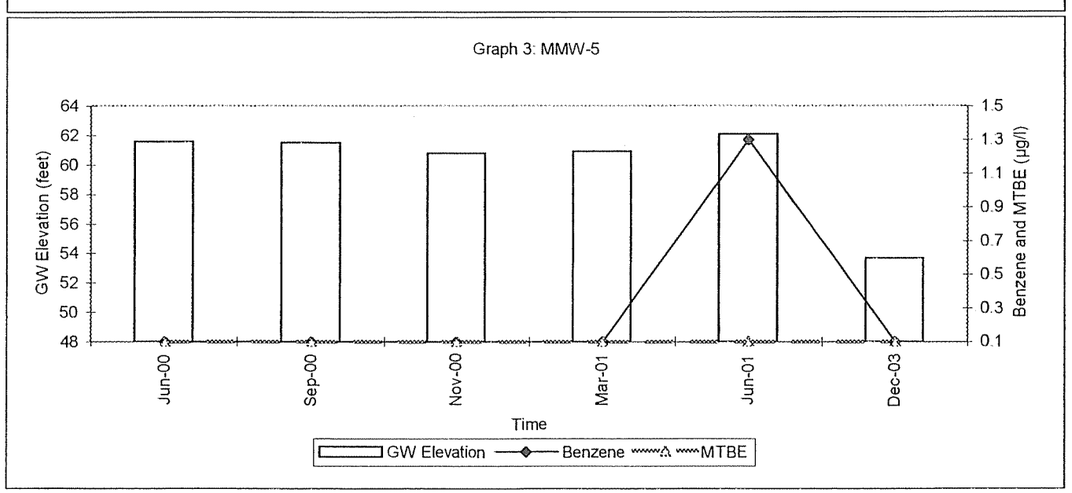
Exhibit 4

Groundwater Elevation vs. Benzene and MTBE Graphs

Groundwater Elevation vs. Benzene and MTBE Graphs
Former Jalk Fee Property







Note: ND values are plotted as 0.1 µg/l for graphical display

Exhibit 5

Groundwater Sampling and Well Purging Protocol

GENERAL FIELD PROCEDURES

General field procedures used during fluid level monitoring and groundwater sampling activities are described below.

FLUID LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The depth to liquid-phase hydrocarbons (LPH) and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city benchmark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no LPH are purged of groundwater prior to sampling so that fluids collected are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when the specified number of casing volumes of fluid have been removed and the three (3) parameters (pH, conductivity, and temperature) have stabilized (see groundwater sampling field notes for volume removed). Samples for laboratory analysis are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purge water is either (1) pumped directly into a licensed vacuum truck; or (2) treated and disposed onsite using the TRC Alton Geoscience Mobile Groundwater Treatment Trailer; or (3) temporarily stored in labeled drums prior to transport to a treatment/recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

In monitoring wells that are purged and contain measurable LPH, the purged water and LPH removed from wells will be either pumped directly into a licensed vacuum truck and removed from the site, or temporarily stored in labeled drums pending transport to an approved treatment/recycling facility.

With respect to wells that have been designated as "no purge", the wells will be sampled without bailing or pumping fluids from the well prior to collecting the sample. In addition, no purge samples are typically collected from active pumping wells.

GROUNDWATER SAMPLE COLLECTION

Groundwater samples are collected by lowering a ½ to 4-inch-diameter, bottom-fill, disposable polyethylene bailer to just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to the container specified by the laboratory method. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials, then transported to a state-certified laboratory for analysis. Samples remain chilled prior to and during shipment to an analytical laboratory.

Chain of custody protocol is followed for all groundwater samples selected for laboratory analysis. The chain of custody form(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. When a freight or overnight carrier ships samples, the carrier is noted on the chain of custody form.

DECONTAMINATION

Nitrile gloves are worn at all times during monitoring, sampling, and purging activities. Typically, gloves are changed between each well. All monitoring, sampling, and purging equipment that could contact well fluids is either dedicated to a particular well or cleaned prior to each use in a Liqui-nox solution followed by two rinses: the first rinse in tap water and the final rinse in deionized water.

Exhibit 6

Monitoring Well Sampling Forms

FIELD MONITORING DATA SHEET

TRC

Technician: CARRILLO Job #/Task #: 23013480/0101 Date: 12-23-03

Site # SALK FEE Project Manager JEFF HENSEL Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MMW-4		X	103.65	78.38	Ø	Ø	1420	4"
MMW-5		X	106.35	79.72	Ø	Ø	1435	4"

Exhibit 7

Analytical Laboratory Data Sheets

Calscience Environmental Laboratories, Inc.

December 30, 2003

Jeff Hensel
TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2366

Subject: **Calscience Work Order No.: 03-12-1572**
Client Reference: Jalk Fee

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/24/2003 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Don Burley
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

TRC-Alton Geoscience		Date Received:	12/24/03
21 Technology Drive		Work Order No:	03-12-1572
Irvine, CA 92618-2366		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Jalk Fee

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MMW-4	03-12-1572-1	12/23/03	Aqueous	N/A	12/24/03	031224L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	16	1	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	21	1	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	2.3	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	0.84	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	8.8	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	Tert-Butyl Alcohol (TBA)	ND	10	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl Ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L	Ethanol	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	92	84-120		Toluene-d8	95	91-109	
1,4-Bromofluorobenzene	97	84-108					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2366

Date Received:	12/24/03
Work Order No:	03-12-1572
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Jalk Fee

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MMW-5	**03-12-1572-2**	**12/23/03**	**Aqueous**	**N/A**	**12/24/03**	**031224L01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	660	10	10	D	ug/L
Chloroform	1.6	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	5.2	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	140	1	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	14	1	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	4.8	0.5	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	190	10	10	D	ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
c-1,2-Dichloroethene	61	1	1		ug/L	Tert-Butyl Alcohol (TBA)	ND	10	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl Ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	2.5	1.0	1		ug/L	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L	Ethanol	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	96	84-120		Toluene-d8	98	91-109	
1,4-Bromofluorobenzene	95	84-108					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

TRC-Alton Geoscience		Date Received:	12/24/03
21 Technology Drive		Work Order No:	03-12-1572
Irvine, CA 92618-2366		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Jalk Fee

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-9,461**	**N/A**	**Aqueous**	**N/A**	**12/24/03**	**031224L01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	Tert-Butyl Alcohol (TBA)	ND	10	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl Ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L	Ethanol	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	94	84-120		Toluene-d8	93	91-109	
1,4-Bromofluorobenzene	95	84-108					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2366

Date Received: 12/24/03
Work Order No: 03-12-1572
Preparation: EPA 5030B
Method: EPA 8260B

Project: Jalk Fee

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MMW-4	**Aqueous**	**GC/MS M**	**N/A**	**12/24/03**	**031224S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	88	94	84-120	7	0-13	
Carbon Tetrachloride	104	115	72-132	10	0-15	
Chlorobenzene	91	97	87-117	7	0-12	
1,2-Dichlorobenzene	91	97	86-116	6	0-13	
1,1-Dichloroethene	88	105	77-137	15	0-15	
Toluene	92	98	85-121	5	0-15	
Trichloroethene	80	90	66-120	8	0-13	
Vinyl Chloride	101	113	68-140	11	0-16	
Methyl-t-Butyl Ether (MTBE)	84	96	68-128	13	0-18	
Tert-Butyl Alcohol (TBA)	60	70	30-156	15	0-26	
Diisopropyl Ether (DIPE)	93	100	75-123	7	0-14	
Ethyl-t-Butyl Ether (ETBE)	94	101	66-132	8	0-33	
Tert-Amyl-Methyl Ether (TAME)	92	101	59-131	9	0-47	
Ethanol	85	112	20-176	27	0-42	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2366

Project: Jalk Fee

Date Received:	12/24/03
Work Order No:	03-12-1572
Preparation:	EPA 5030B
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-9,461	Aqueous	GC/MS M	N/A	12/24/03	031224L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	98	87-117	1	0-5	
Carbon Tetrachloride	127	124	77-137	3	0-9	
Chlorobenzene	101	98	89-113	2	0-5	
1,2-Dichlorobenzene	102	100	90-114	2	0-8	
1,1-Dichloroethene	102	105	81-129	2	0-15	
Toluene	100	101	88-118	1	0-71	
Trichloroethene	101	100	67-121	1	0-21	
Vinyl Chloride	113	111	71-131	2	0-34	
Methyl-t-Butyl Ether (MTBE)	110	109	65-125	1	0-49	
Tert-Butyl Alcohol (TBA)	90	93	38-140	4	0-98	
Diisopropyl Ether (DIPE)	108	106	77-119	2	0-53	
Ethyl-t-Butyl Ether (ETBE)	110	109	73-121	1	0-31	
Tert-Amyl-Methyl Ether (TAME)	107	107	71-119	0	0-33	
Ethanol	128	131	54-132	3	0-55	

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 03-12-1572

Qualifier	Definition
D	The sample data was reported from a diluted analysis.
ND	Not detected at indicated reporting limit.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 03 - 12 - 1572

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: T.R.C. DATE: 12/24/03

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

4 °C Temperature blank. Initial: Tu

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: Tu

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace	✓		
Tedlar bag(s) free of condensation			✓

Initial: Tu

COMMENTS:

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: 03-12-1572 QAPP: 0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	MMW-4	W	12/23/2003	4	
2	MMW-5	W	12/23/2003	1	

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12-23-03

Page 1 of 1

LABORATORY CLIENT: TRC
ADDRESS: 21 TECHNOLOGY DR
CITY: IRVINE STATE: CA ZIP: 92
TEL: 9497530101 FAX: 9497530111 E-MAIL:

CLIENT PROJECT NAME / NUMBER: SALK FEE
PROJECT CONTACT: JEFF HENSEL
SAMPLER(S): (SIGNATURE) CARRILLO
COELT LOG CODE ☐☐☐☐
P.O. NO.: 23013480/U101
LAB USE ONLY: 12-1572
COOLER RECEIPT TEMP = 4.0 °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ COELT REPORTING

SPECIAL INSTRUCTIONS: WBS CODE 08

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ___	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	VOCs (5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	FULL-SCAN BY EPA METHODE - 8260B	INCLUDING all	OXYGENATES & ETHANOLS
1	MMW-4	SALKFEE	12/23	1420	GW	4														X	X	X
2	MMW-5	X	12/23	1435	X	4														X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12-24-03	9:12
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature) [signature]	12-24-03	10:05

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

09/10/01 Revision

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