H2OGEOL
A GROUND WATER CONSULTANCY

Ms. Madhulla Logan
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

August 28, 1998

RE: Second of Four Required Groundwater Monitoring Events (Third Quarter, 1998) at Runnels Industries, Inc., 3590 Enterprise Avenue, Hayward, CA.

Dear Ms. Logan;

This letter report documents the first of the four quarterly groundwater monitoring events required in your letter dated April 06, 1998 that was addressed to Mr. Al Gant at Runnels Industries, Inc., 3590 Enterprise Avenue in Hayward, California. The location of the 3590 Enterprise Avenue property is shown in Figure 1.

1.0 POTENTIOMETRIC SURFACE GRADIENT AND DIRECTION OF GRADIENT

Depth to water in each monitoring well was measured to +/- 0.01 feet using a Solinst Model 101 water level meter between 08:04 and 08:12 on August 03, 1998. The depth to water was converted to potentiometric surface elevation by subtracting the measured depths to water from the casing top elevation. This information in presented in the following table.

WELL AND GROUNDWATER ELEVATIONS
AUGUST 03, 1998

Well Number	Top of Casing Elevation (feet, msl)	Time of Depth Measurement	Depth to Water (feet)	Groundwater Surface Elevation (feet, msl)
MW-1	9.96	08:04	8.36	1.60
MW-2	8.86	08:06	6.10	2.76
MW-3	7.91	08:08	5.77	2.14
MW-4	8.47	08:10	7.27	1.20
MW-5	8.86	08:12	7.30	1.56

For the five monitoring wells there are four triangles with a well at each apex for which a groundwater gradient and flow direction (more precisely direction of groundwater gradient,

since the horizontal hydraulic conductivity anisotropy is unknown) may be calculated using the three-point problem approach. The groundwater gradient direction and gradient for each of the triangles are:

Well Triangle	Gradient Direction	Gradient
1,2,5	S 62.85°W	0.00536
2,3,5	S 74.04°W	0.00643
3,4,5	S 85.54°W	0.00489
1,4,5	S 61.53°W	0.00341
Average	S 70.98°W	0.00502

Figure 2 presents a potentiometric surface map showing well locations and groundwater surface contours as measured on August 03, 1998 using the method of minimum area triangles in a minimum bounded field.

2.0 MONITORING WELL PURGING AND SAMPLING

The monitoring wells were purged by pumping with an "ES-60" submersible pump marketed for monitoring well purging by Enviro-Tech Services Co. of Martinez, California. Field measured water quality parameters were measured using a Cambridge Scientific Industries Hydac™ Conductivity Temperature pH Tester. Well purging activities and the field measured water quality parameters are documented in Attachment A. For each well, purging continued until specific conductance stabilized to +/- 5% on consecutive readings.

Groundwater samples were collected for halogenated volatile organic compound analysis by U.S. EPA Method 8010 from monitoring wells MW-1 through MW-5. The samples were collected directly from the discharge end of the purge pump delivery tubing at a pumping rate of less than 1 L/minute. Water samples were collected, in duplicate, into 40-mL glass vials with Teflon™ septum lids.

Groundwater sample bottles were labeled and placed in an ice chest with a 2 Liter plastic bottle containing ice. A Chain-of-Custody form was filled out and was delivered with the ice chest to Chromalab, Inc. of Pleasanton, California, a state certified laboratory (DTSC No. 1094).

3.0 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples from MW-1 through MW-5 were submitted to Chromalab for analysis by EPA Method 8010 for halogenated volatile organic compounds. Copies of the laboratory report and chain-of-custody documentation are contained in Attachment B.

Eight Method 8010 analytes were identified in groundwater from the five monitoring wells at the 3590 Enterprise Avenue property. These compounds and their respective maximum contaminant levels (MCLs) are listed below

Concentration in micrograms per Liter	MW-1	MW-2	MW-3	MW-4	MW-5	MCL
Vinyl Chloride	<0.50	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	1.1	2.7	<0.50	16	5.0
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.53	5.0
1,1-Dichloroethene	2.2	1.1	7.3	<0.50	150	6.0
Cis-1,2-Dichloroethene	3.0	<0.50	<0.50	<0.50	<0.50	6.0
Trichloroethene	36	2.2	<0.50	0.72	7.5	5.0
Tetrachloroethene	1.1	<0.50	<0.50	<0.50	<0.50	5.0

Primary compounds 1,1-Dichloroethane (11-DCA) and 1,1-Dichloroethene (11-DCE) were present in up/cross gradient well MW-3 and 11-DCA was present in up/cross gradient well MW-2. Down/cross gradient well MW-1 contained 11-DCE. These compounds were below their respective MCLs.

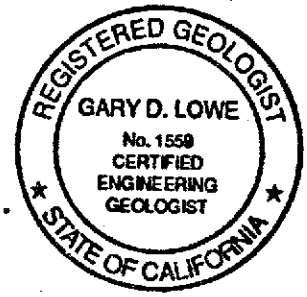
In centrally located monitoring well MW-5 1,2-Dichloroethane (12-DCA) was below its MCL; Trichloroethene (TCE) was 1.5 times its MCL, 11-DCA exceeded its MCL by a factor of three and 11-DCE by a factor of 25. In light of this and the previous groundwater data, including location B-7, reported in the September 30, 1997 Additional Site Investigations report, an off site source to the east is suggested.

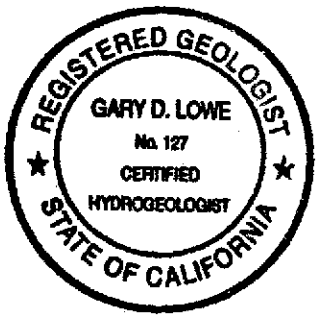
Primary compounds TCE was found in down/cross gradient well MW-1 and MW-4 and Tetrachloroethene (PERC) was found in down/cross gradient well MW-4. The MCL for TCE was exceeded in MW-1.

Please do not hesitate to call me at 925-373-9211 should you have any questions.

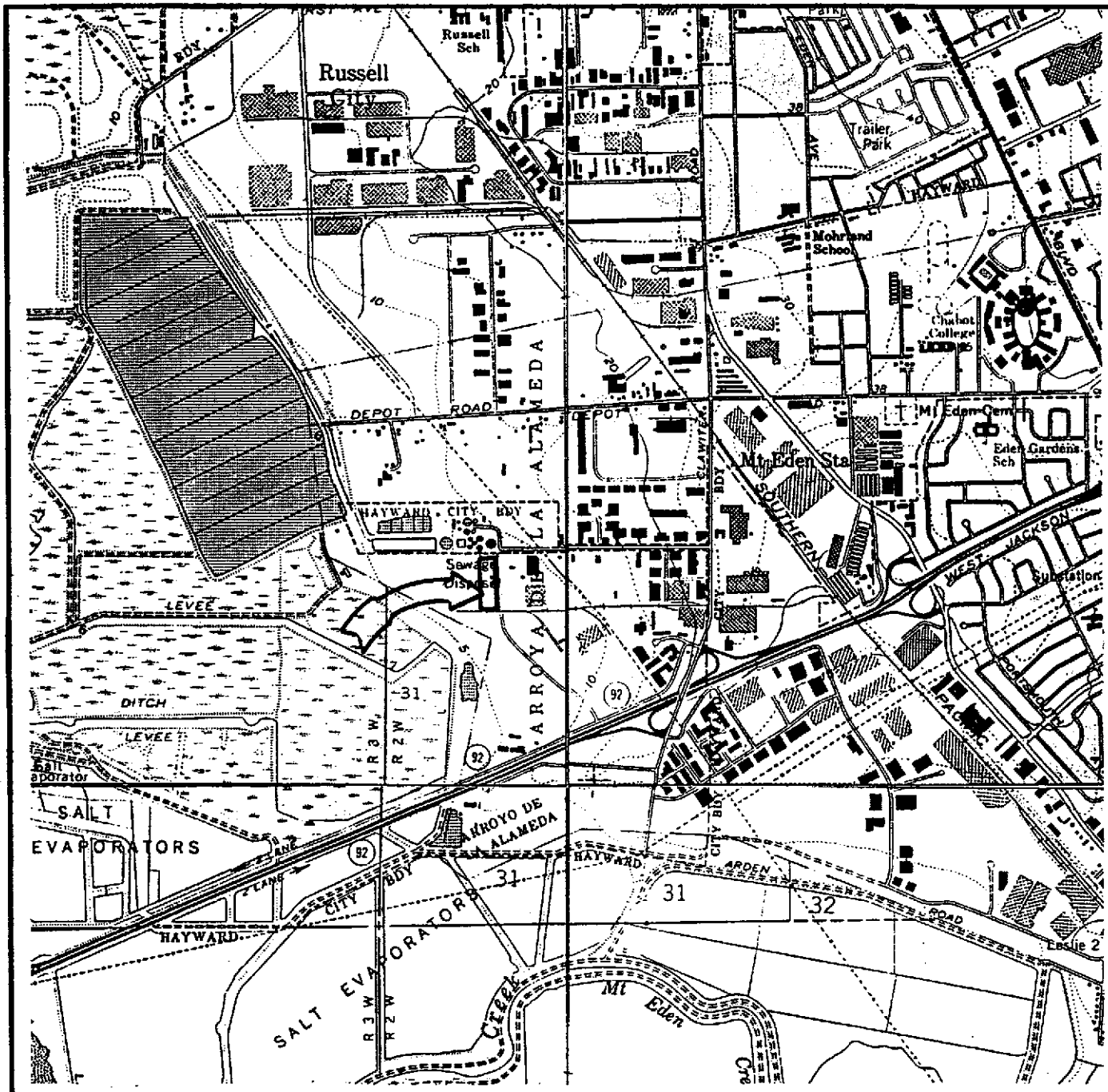
Sincerely,

Gary D. Lowe, R.G., C.E.G., C.HG.
Principal, Hydrogeologist

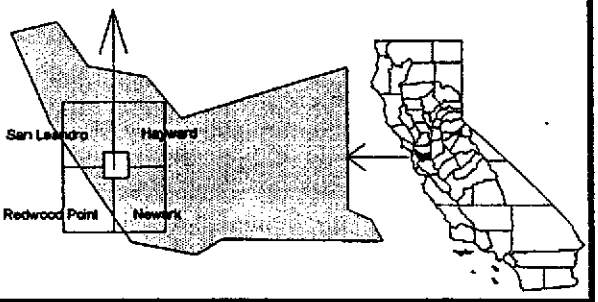


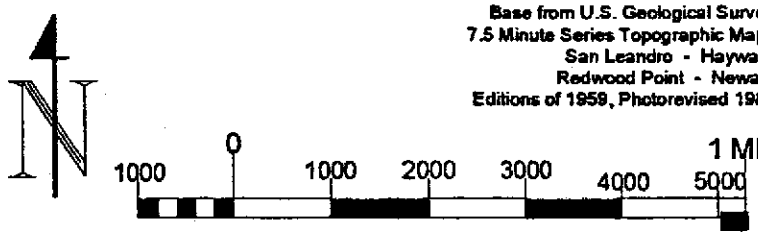


xc: Mr. Al Gant



Base from U.S. Geological Survey
7.5 Minute Series Topographic Maps
San Leandro - Hayward
Redwood Point - Newark
Editions of 1959, Photorevised 1980





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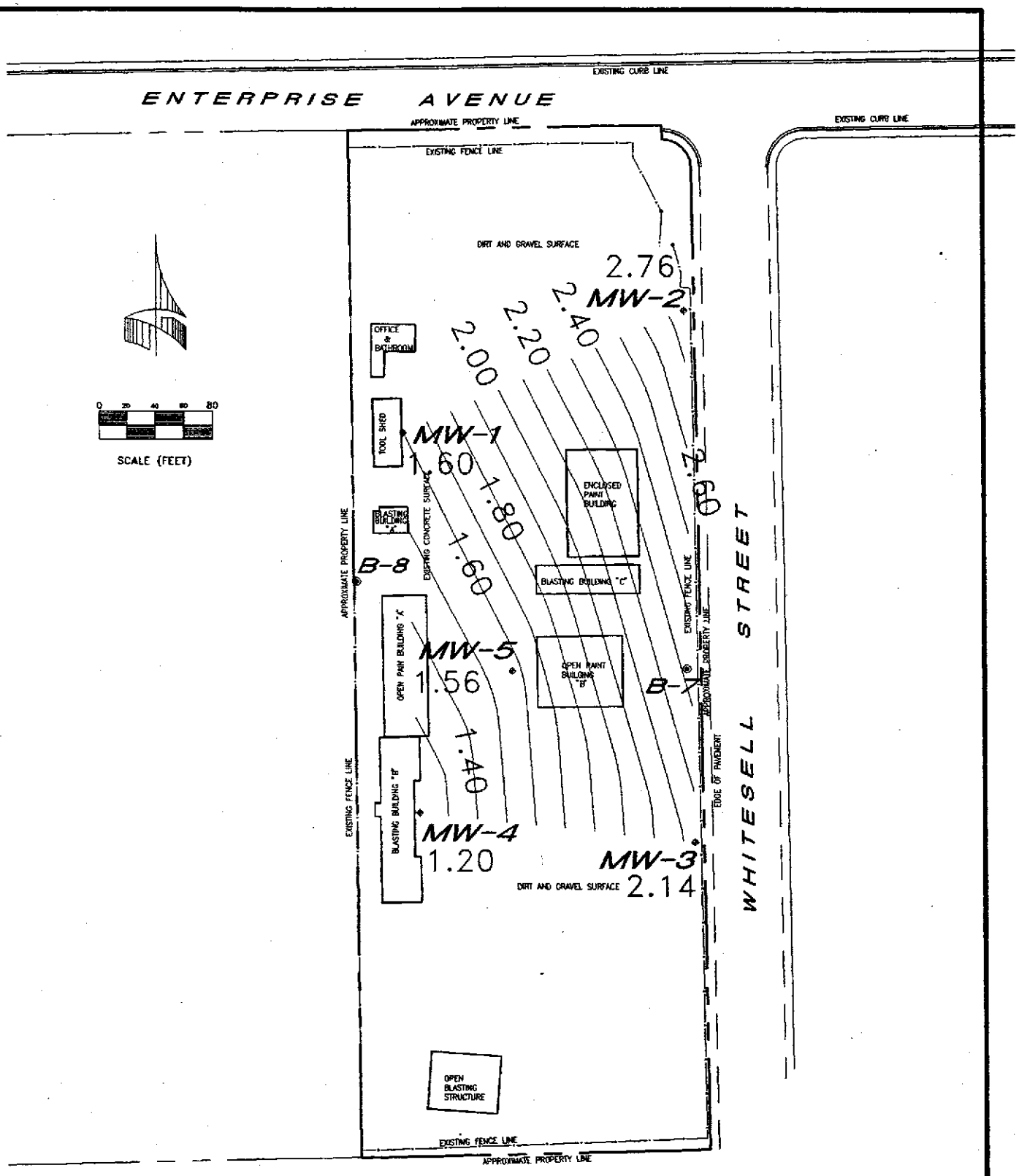
SITE LOCATION MAP
RUNNELS INDUSTRIES, INC.
3590 ENTERPRISE AVENUE
HAYWARD, CALIFORNIA

FIGURE
1



Well survey by Ron Archer, Civil Engineer, Inc., August 20, 1997. Top of casing elevations: MW-1 = 9.96; MW-2 = 8.86; MW-3 = 7.91; MW-4 = 8.47; and MW-5 = 8.86.

CONTOUR INTERVAL 0.1 FEET

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POTENTIOMETRIC SURFACE MAP FOR 08/03/98
RUNNELS INDUSTRIES, INC.
3590 ENTERPRISE AVENUE
HAYWARD, CALIFORNIA

FIGURE
2

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A GROUND WATER CONSULTANCY

P.O. Box 2165 ■ Livermore, California 94551 ■ (925) 373-9211

ATTACHMENT A

FIELD DATA SHEET
LOG OF WELL SAMPLING ACTIVITIES

LOG OF WELL SAMPLING ACTIVITIES

Well Identification: MW-1 Project Name: 3590 Enterprise Avenue, Hayward, CA Date: 08/03/98

Sampled by: G. Lowe Weather Conditions: _____

Well Location: _____ Well Casing Diameter: 2-inch Depth of Well Casing: 15.65

Measuring Point: Top of PVC Casing Initial Depth to Water: 8.36 Final Depth to Water: Not measured

Casing Volume (1 vol./ 3 vol): 1.17/ 3.5 Well Borehole Volume: _____

Purging Method: Centrifugal Pump/Peristaltic Pump; Grundfos Submersible Pump; Centrifugal Pump/ES-60 Submersible; ES-40/-60 Submersible Pump X

Sampling Method: Peristaltic Pump; Grundfos Submersible Pump; Teflon Bailer; ES Sub. Pump @ < 1L/min. X

Purging Rate: See below Total Discharge: 6 1/2 Casing Volumes Purged: 3.56

Comments: _____

Waste Water Disposal: To drum.

Starting Time: _____

Time Pump on: 09:14

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.		Dil. Factor		S.C. (uS/cm)	Color
08/03/98	09:19	5	7.57	64.6		x		=	2770	
	09:20	5 1/2	7.57	64.5		x		=	2700	
	09:20	6	7.71	64.7		x		=	2740	
	09:21	6 1/2	7.53	64.0		x		=	2690	
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		

Sample Identification: 3590/MW-1 Sample Time: 09:24

TURBIDITY ANALYSIS

Finishing Time: _____ Time Analyzed: _____ NTU Value: _____

LOG OF WELL SAMPLING ACTIVITIES

Well Identification: MW-2 Project Name: 3590 Enterprise Avenue, Hayward, CA Date: 08/03/98

Sampled by: G. Lowe Weather Conditions: _____

Well Location: _____ Well Casing Diameter: 2-inch Depth of Well Casing: 12.14

Measuring Point: Top of PVC Casing Initial Depth to Water: 6.10 Final Depth to Water: Not measured

Casing Volume (1 vol./ 3 vol): 0.96/ 2.90 Well Borehole Volume: _____

Purging Method: Centrifugal Pump/Peristaltic Pump; Grundfos Submersible Pump; Centrifugal Pump/ES-60 Submersible; ES-40/-60 Submersible Pump X

Sampling Method: Peristaltic Pump; Grundfos Submersible Pump; Teflon Bailer; ES Sub. Pump @ < 1L/min. X

Purging Rate: See below Total Discharge: 6.5 Casing Volumes Purged: 6.77

Comments: _____

Waste Water Disposal: To drum.

Starting Time: 08/46:17

Time Pump on: 08:16

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.		Dil. Factor		S.C. (uS/cm)	Color
08/03/98	08:22	5	7.47	69.6		x		=	2530	
	08:23	5 1/2	7.46	67.2		x		=	2390	
	08:24	6	7.43	68.9		x		=	2360	
	:	6 1/2	7.43	66.4		x		=	2330	
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		

Sample Identification: 3590/MW-2 Sample Time: 08:26

TURBIDITY ANALYSIS

Finishing Time: _____ Time Analyzed: _____ NTU Value: _____

LOG OF WELL SAMPLING ACTIVITIES

Well Identification: MW-3 Project Name: 3590 Enterprise Avenue, Heyward, CA Date: 08/03/98

Sampled by: G. Lowe Weather Conditions: _____

Well Location: _____ Well Casing Diameter: 2-inch Depth of Well Casing: 12.15

Measuring Point: Top of PVC Casing Initial Depth to Water: 5.77 Final Depth to Water: Not measured

Casing Volume (1 vol./ 3 vol): 1.62 / 3.84 Well Borehole Volume: _____

Purging Method: Centrifugal Pump/Peristaltic Pump; Grundfos Submersible Pump; Centrifugal Pump/ES-60 Submersible; ES-40/-60 Submersible Pump X

Sampling Method: Peristaltic Pump; Grundfos Submersible Pump; Teflon Bailer; ES Sub. Pump @ < 1L/min. X

Purging Rate: See below Total Discharge: 6.5 Casing Volumes Purged: 6.37

Comments: _____

Waste Water Disposal: To drum.

Starting Time: _____

Time Pump on: 0833

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.		Dil. Factor		S.C. (uS/cm)	Color
08/03/98	08:39	5	7.54	68.4		x		=	2580	
	08:43	5 1/2	7.51	67.1		x		=	2570	
	08:47	6	7.48	66.7		x		=	2560	
	08:52	6 1/2	7.47	66.4		x		=	2540	
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		

Sample Identification: 3590/MW-3 Sample Time: 08:44

TURBIDITY ANALYSIS

Finishing Time: _____ Time Analyzed: _____ NTU Value: _____

LOG OF WELL SAMPLING ACTIVITIES

Well Identification: MW-4 Project Name: 3590 Enterprise Avenue, Hayward, CA Date: 08/03/98

Sampled by: G. Lowe Weather Conditions: _____

Well Location: _____ Well Casing Diameter: 2-inch Depth of Well Casing: 12.65

Measuring Point: Top of PVC Casing Initial Depth to Water: 7.27 Final Depth to Water: Not measured

Casing Volume (1 vol./ 3 vol): 0.76 / 2.58 Well Borehole Volume: _____

Purging Method: Centrifugal Pump/Peristaltic Pump; Grundfos Submersible Pump; Centrifugal Pump/ES-60 Submersible; ES-40/-60 Submersible Pump X

Sampling Method: Peristaltic Pump; Grundfos Submersible Pump; Teflon Bailer; ES Sub. Pump @ <1L/min. X

Purging Rate: See below Total Discharge: 2 1/4 Casing Volumes Purged: 2.62

Comments: _____

Waste Water Disposal: To drum.

Starting Time: _____

Time Pump on: _____

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.		Dil. Factor		S.C. (uS/cm)	Color
08/03/98	08:48	Empty Tap	7.34			x		=		
	08:52	1 1/4	7.03	66.4		x		=	4480	
	08:57	1 3/4	7.52	65.7		x		=	4500	
	08:54	2	7.52	65.5		x		=	4420	
	08:58	2 1/4	7.48	65.4		x		=	4420	
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		

Sample Identification: 3590/MW-4 Sample Time: 08:55

TURBIDITY ANALYSIS

Finishing Time: _____ Time Analyzed: _____ NTU Value: _____

LOG OF WELL SAMPLING ACTIVITIES

Well Identification: MW-5 Project Name: 3590 Enterprise Avenue, Hayward, CA Date: 08/03/98

Sampled by: G. Lewis Weather Conditions:

Well Location: Well Casing Diameter: 2-inch Depth of Well Casing: 12.68

Measuring Point: Top of PVC Casing Initial Depth to Water: 7.30 Final Depth to Water: Not measured

Casing Volume (1 vol./ 3 vol): 0.80 / 2.56 Well Borehole Volume:

Purging Method: Centrifugal Pump/Peristaltic Pump; Grundfos Submersible Pump; Centrifugal Pump/ES-60 Submersible; ES-40/-60 Submersible Pump X

Sampling Method: Peristaltic Pump; Grundfos Submersible Pump; Teflon Bailer; ES Sub. Pump @ < 1L/min. X

Purging Rate: See below Total Discharge: 6.5 Casing Volumes Purged: 7.58

Comments:

Waste Water Disposal: To drum.

Starting Time:

Time Pump on: 0958

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.		Dil. Factor		S.C. (µS/cm)	Color
08/03/98	09:06	5	7.49	65.2		x		=	3270	
	09:07	5½	7.44	64.9		x		=	3260	
	09:07	6	7.41	64.9		x		=	3340	
	:	6½	7.38	64.5		x		=	3350	
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		
	:					x		=		

Sample Identification: 3590MW-5 Sample Time: 09:09

TURBIDITY ANALYSIS

Finishing Time: Time Analyzed: NTU Value:

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P.O. Box 2165 ■ Livermore, California 94551 ■ (925) 373-9211

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

CHROMALAB, INC.

Environmental Services (SDB)

August 18, 1998 *Submission #:* 9808026

H2OGEOL

Atten: Gary Lowe

Project: RUNNELS INDUSTRIES
Received: August 3, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: 3590/MW-5
Spl#: 198694 *Matrix:* WATER
Sampled: August 3, 1998 *Run#:* 14317 *Analyzed:* August 15, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	150	0.50	N.D.	106	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	16	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	0.53	0.50	N.D.	--	1
TRICHLOROETHENE	7.5	0.50	N.D.	97.5	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	102	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Analyst

Michael Verona
Operations Manager

510-373-9222 fx 08/17
1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

August 18, 1998 *Submission #:* 9808026

H2OGEOL

Atten: Gary Lowe

Project: RUNNELS INDUSTRIES
Received: August 3, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: 3590/MW-4
Spl#: 198693 *Matrix:* WATER
Sampled: August 3, 1998 *Run#:* 14317 *Analyzed:* August 15, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	106	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	0.72	0.50	N.D.	97.5	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	102	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Analyst

Michael Verona
Operations Manager

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1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096
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CHROMALAB, INC.

Environmental Services (SDB)

August 18, 1998 *Submission #:* 9808026

H2OGEOL

Atten: Gary Lowe

Project: RUNNELS INDUSTRIES
Received: August 3, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: **3590/MW-1**
Spl#: 198690 *Matrix:* WATER
Sampled: August 3, 1998 *Run#:* 14317 *Analyzed:* August 14, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	2.2	0.50	N.D.	106	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	3.0	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	36	0.50	N.D.	97.5	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	1.1	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	102	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Analyst

Michael Verona
Operations Manager

510-373-9222

4120D

H2OGEOL A GROUNDWATER CONSULTANCY
P.O. BOX 2165
LIVERMORE, CALIFORNIA 94551-2165

CHAIN OF CUSTODY

DATE: 08/03/98 PAGE 1 of 1

Sample Source:
Runnels Industries
3590 Enterprise Avenue
Hayward, California

SAMPLER(S): Gary D. Lowe
SAMPLER'S SIGNATURE

SAMPLE RECIEPT
TOTAL No. of CONTAINERS
CHAIN OF CUSTODY SEALS
REC'D GOOD CONDITION/COLD
CONFORMS TO RECORD
LAB NO.

ANALYTE

SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	Halogenated Halocarbon Compounds EPA 8010	NUMBER OF CONTAINERS
3590/MW-1	08/03/98	09:24	WATER		X	2
3590/MW-2	08/03/98	08:26	WATER		X	2
3590/MW-3	08/03/98	08:44	WATER		X	2
3590/MW-4	08/03/98	08:55	WATER		X	2
3590/MW-5	08/03/98	09:09	WATER		X	2

NOTE:
10-DAY
TURNAROUND

RELINQUISHED BY:
SIGNATURE
PRINTED NAME Gary D. Lowe TIME 10:07
COMPANY H2OGEOL DATE 08/03/98

RELINQUISHED BY:
SIGNATURE TIME
PRINTED NAME DATE
COMPANY

RECEIVED BY:
SIGNATURE TIME
PRINTED NAME DATE
COMPANY

RECEIVED BY LABORATORY:
SIGNATURE TIME 1002
PRINTED NAME Chris Kouley
COMPANY Chromalab, Inc. DATE 08/03/98