

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

March 19, 1992

Clayton Project No. 39824.00

Mr. Doreen Green
BUSICK AIR CONDITIONING
6341 Scarlett Court
Dublin, California 94568

Subject: Quarterly Monitoring, Well Sampling, and Analyses at
6341 Scarlett Court in Dublin, California

Dear Ms. Green:

Clayton Environmental Consultants, Inc. is pleased to present this quarterly report on quarterly monitoring at the subject site. This letter summarizes the results of analyses of water samples from monitoring wells MW-1, MW-2, and MW-3. The work was performed in accordance with the terms and conditions and scope of work described in our Proposal No. 92-B-037, which was authorized on February 21, 1992. The groundwater samples were collected on February 27, 1992.

Clayton measured the depths to groundwater in the monitoring wells onsite on February 27, 1992. From these elevations we calculated the groundwater flow direction to be S75°E. We calculated the groundwater gradient to be 0.01 (1.0 feet of vertical drop per 100 feet of horizontal distance). The groundwater flow direction has changed from S30°E in September, 1991 to S75°E in February, 1992. Note: The spacing and angles between these monitoring wells may not be sufficient to calculate an accurate groundwater flow direction. Monitoring wells on properties in close proximity have flow direction more south or southwest. The groundwater levels in all three monitoring wells (MW-1, MW-2 and MW-3) has risen also nearly a foot from September, 1991 to February, 1992.

Results of the laboratory analyses from monitoring wells MW-1, MW-2, and MW-3 are shown in the attached table. Note that the concentration of Cis-1,2-DCE has increased in monitoring well MW-2. In addition, the concentrations of TCE in monitoring well MW-1 has decreased while TCE has more than doubled in monitoring well MW-2. The laboratory results suggest the plume is migrating away from the original point of release.

Of the chemicals detected in the groundwater, the following concentrations exceed drinking water guidelines:

- MW-1: 7,300 parts per billion (ppb) of TCE; 4,300 ppb of cis-1,2-DCE; and 250

Ms. Doreen Green
Busick Air Conditioning
March 19, 1992

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Clayton Project No. 39824.00

ppb of trans-1,2-DCE

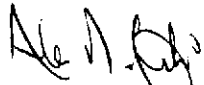
- MW-2: 56,000 ppb of TCE; 2,200 ppb of cis-1,2-DCE; and 600 ppb of PCE
- MW-3: 11 ppb of 1,1-DCE

Because of the elevated levels of trichloroethene in monitoring wells MW-1 and MW-2, detection limits in these wells were analyzed above the regulatory guidelines for 1,1-DCE; 1,1-DCA; and 1,2-DCA. Therefore, we do not know if concentrations of these chemicals exceeded regulatory guidelines.

A copy of this report should be sent to the Regional Water Quality Control Board (RWQCB) and Mr. Ravi Arulanantham of the Alameda County Health Agency (ACHA) for their review. Please advise if you prefer Clayton to handle this for you.

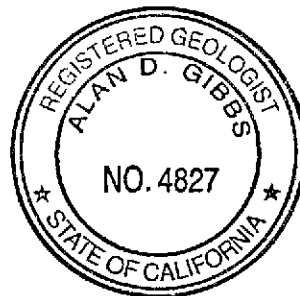
Ms. Green, we appreciate your trust in our ability to service your environmental needs. The next quarterly sampling should be scheduled for the month of May 1992. Please contact me at (510) 426-2676 if you have any questions.

Sincerely,



Alan D. Gibbs, R.G.
Supervisor, Geology
Western Operations

ADG/cmh



**Summary of Analysis
for
Busick Air Conditioning
6341 Scarlett Court
Dublin, California**

November 1990 to February 1992

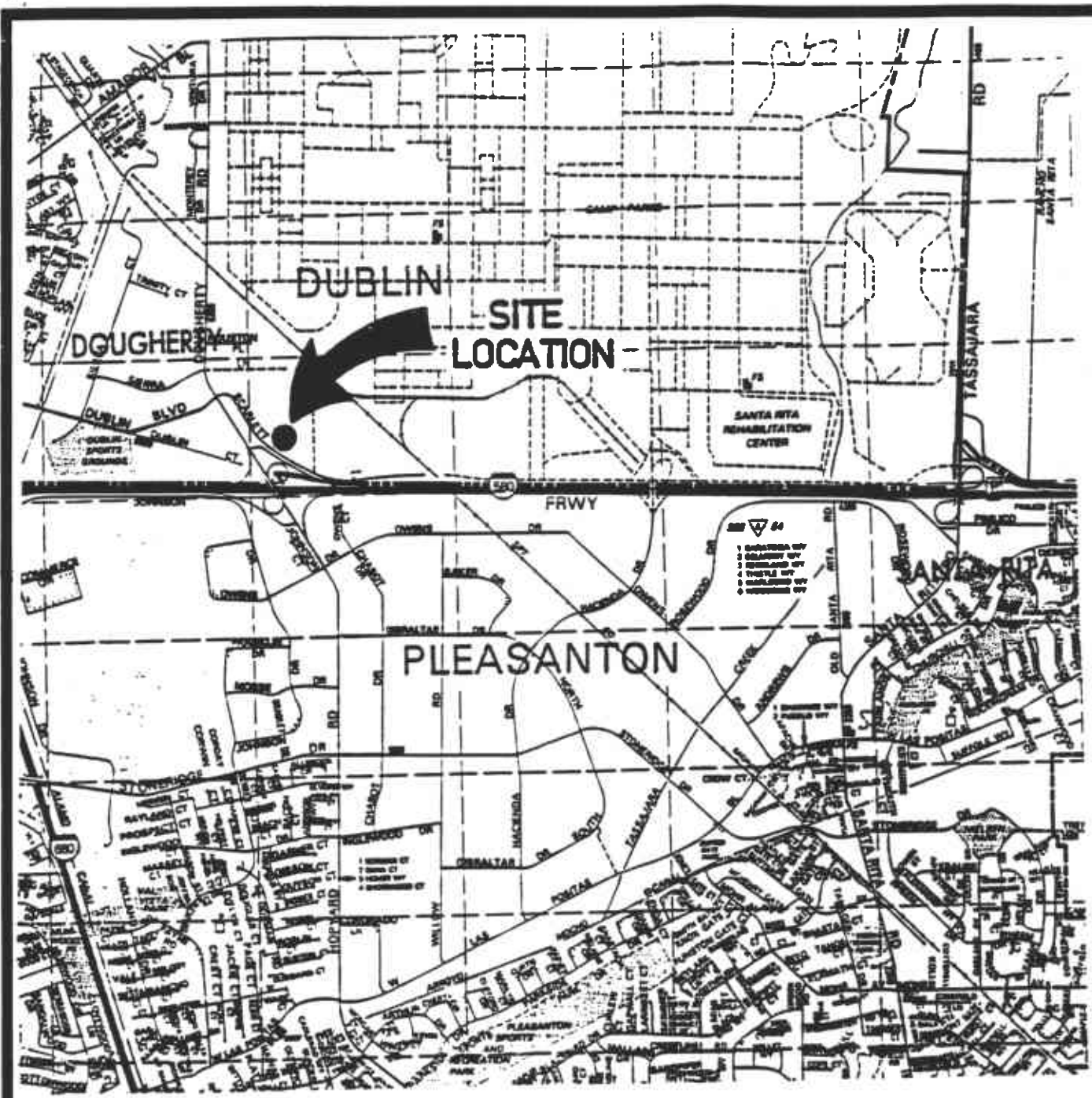
Chemical Constituent	Monitoring Well MW-1 (ppb)		Monitoring Well MW-2 (ppb)		Monitoring Well MW-3 (ppb)		Regulatory Guidelines (ppb)
	11/90	2/92	7/91	2/92	7/91	2/92	
1,1-dichloroethene	<100	<20	<100	<200	9.4	11	6 ⁽¹⁾
1,1-dichloroethane	<200	<40	<200	<400	1.0	0.7	5 ⁽²⁾
Trans-1,2-dichloroethene	<200	250	<200	<400	<0.4	<0.4	10 ⁽²⁾
Cis-1,2-dichloroethene	4,400	4,300	1,400	2,200	<0.4	<0.4	6 ⁽²⁾
1,2-dichloroethane	<200	<30	<200	<300	<0.3	<0.3	0.5 ⁽³⁾
Trichloroethene	10,000	7,300	27,000	56,000	<0.3	<0.3	5 ⁽³⁾
Tetrachloroethene	<300	<50	500	600	<0.5	<0.5	5 ⁽¹⁾

Table Notes

<0.2 = detection limits
ppb = parts per billion which is approximately equal to micrograms per liter (µg/L)

- (1) Maximum Contaminant Level (MCL) for Drinking Water Standards (EPA & DHS)
- (2) California State Action Levels (DHS)
- (3) MCL for Drinking Water Standards (DHS)

Regulatory Guidelines are taken from Jon B. Marshack's, *A Compilation of Water Quality Goals, October 1990.*



(not to scale)



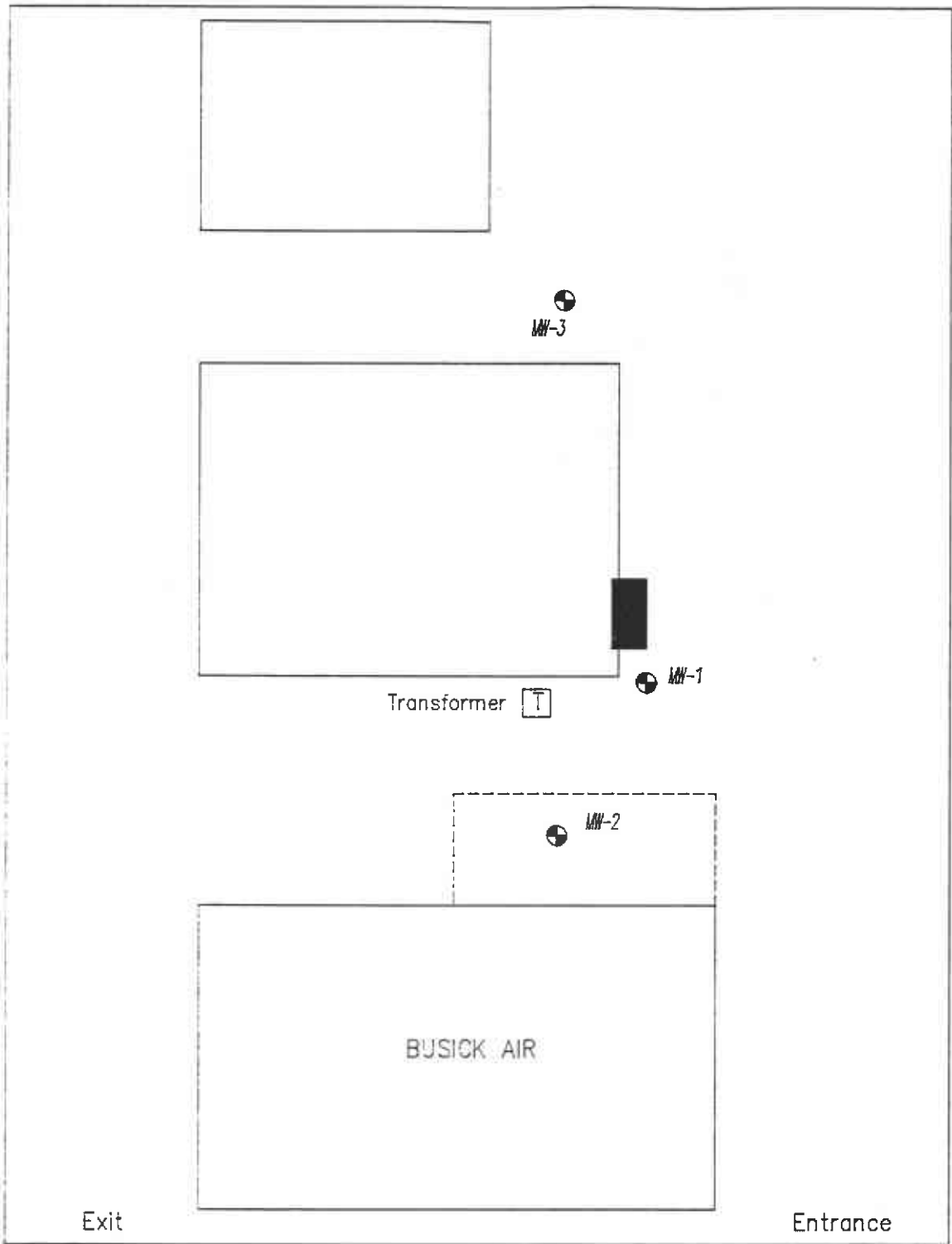
Site Location Map
 BUSICK AIR
 6341 Scariett Court
 Dublin, California

Clayton Project No. 39824.00

Figure

1

Clayton
 ENVIRONMENTAL
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⊕ Monitoring Wells

(not to scale)



1,2-dichloroethane Levels in Groundwater
 BUSICK AIR
 6341 Scarlett Court
 Dublin, California

Clayton Project No. 39824.00

Figure

2

Clayton
 ENVIRONMENTAL
 CONSULTANTS

39824-00-3/24

APPENDIX A

ANALYTICAL RESULTS

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

March 4, 1992

Mr. Richard Silva
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref. 39824.00
Clayton Project No. 92023.03

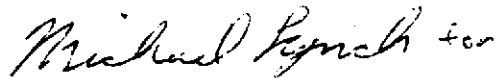
Dear Mr. Silva:

Attached is our analytical laboratory report for the samples received on February 27, 1992. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/caa
Attachments

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-1	Date Sampled:	02/27/92
Lab Number:	9202303-01A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	60
Bromomethane	74-83-9	ND	70
Vinyl chloride	75-01-4	ND	50
Chloroethane	75-00-3	ND	50
Methylene chloride	75-09-2	ND	200
1,1-Dichloroethene	75-35-4	ND	20
1,1-Dichloroethane	75-35-3	ND	40
Trans-1,2-Dichloroethene	156-60-5	250	40
Cis-1,2-Dichloroethene	156-59-2	4,300	40
Chloroform	67-66-3	ND	50
1,2-Dichloroethane	107-06-2	ND	30
1,1,1-Trichloroethane	71-55-6	ND	50
Carbon tetrachloride	56-23-5	ND	60
Bromodichloromethane	75-27-4	ND	70
1,2-Dichloropropane	78-87-5	ND	50
Cis-1,3-Dichloropropene	10061-01-5	ND	50
Trichloroethene	79-01-6	7,300	30
Dibromochloromethane	124-48-1	ND	60
1,1,2-Trichloroethane	79-00-5	ND	60
Trans-1,3-Dichloropropene	10061-02-6	ND	60

ND Not detected at or above limit of detection
-- Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation.

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-1	Date Sampled:	02/27/92
Lab Number:	9202303-01A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	ND	100
Bromoform	75-25-2	ND	70
Tetrachloroethene	127-18-4	ND	50
1,1,2,2-Tetrachloroethane	79-34-5	ND	50
Chlorobenzene	108-90-7	ND	70
1,3-Dichlorobenzene	541-73-7	ND	200
1,2-Dichlorobenzene	95-50-1	ND	400
1,4-Dichlorobenzene	106-46-7	ND	400
Dichlorodifluoromethane	75-71-8	ND	100
Trichlorofluoromethane	75-69-4	ND	40
Freon 113	76-13-1	ND	60

ND Not detected at or above limit of detection
-- Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation.

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-1	Date Sampled:	02/27/92
Lab Number:	9202303-01A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 602		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Aromatics</u>			
Benzene	71-43-2	ND	40
Chlorobenzene	108-90-7	ND	30
1,2-Dichlorobenzene	95-50-1	ND	50
1,3-Dichlorobenzene	541-73-7	ND	30
1,4-Dichlorobenzene	106-46-7	ND	50
Ethylbenzene	100-41-4	ND	30
Toluene	108-88-3	ND	30
p,m-Xylenes	---	ND	40
o-Xylene	95-47-6	ND	40
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	97	50 - 150
1,4-Difluorobenzene	540-36-3	90	50 - 150

ND Not detected at or above limit of detection
-- Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation.

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-2	Date Sampled:	02/27/92
Lab Number:	9202303-02A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	600
Bromomethane	74-83-9	ND	700
Vinyl chloride	75-01-4	ND	500
Chloroethane	75-00-3	ND	500
Methylene chloride	75-09-2	ND	2,000
1,1-Dichloroethene	75-35-4	ND	200
1,1-Dichloroethane	75-35-3	ND	400
Trans-1,2-Dichloroethene	156-60-5	ND	400
Cis-1,2-Dichloroethene	156-59-2	2,200	400
Chloroform	67-66-3	ND	500
1,2-Dichloroethane	107-06-2	ND	300
1,1,1-Trichloroethane	71-55-6	ND	500
Carbon tetrachloride	56-23-5	ND	600
Bromodichloromethane	75-27-4	ND	700
1,2-Dichloropropane	78-87-5	ND	500
Cis-1,3-Dichloropropene	10061-01-5	ND	500
Trichloroethene	79-01-6	56,000	300
Dibromochloromethane	124-48-1	ND	600
1,1,2-Trichloroethane	79-00-5	ND	600
Trans-1,3-Dichloropropene	10061-02-6	ND	600

ND Not detected at or above limit of detection
-- Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation.

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-2	Date Sampled:	02/27/92
Lab Number:	9202303-02A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 602		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Aromatics</u>			
Benzene	71-43-2	ND	400
Chlorobenzene	108-90-7	ND	300
1,2-Dichlorobenzene	95-50-1	ND	500
1,3-Dichlorobenzene	541-73-7	ND	300
1,4-Dichlorobenzene	106-46-7	ND	500
Ethylbenzene	100-41-4	ND	300
Toluene	108-88-3	ND	300
p,m-Xylenes	---	ND	400
o-Xylene	95-47-6	ND	400
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	91	50 - 150
1,4-Difluorobenzene	540-36-3	99	50 - 150

ND Not detected at or above limit of detection

-- Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation.

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-3	Date Sampled:	02/27/92
Lab Number:	9202303-03A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	11	0.2
1,1-Dichloroethane	75-35-3	0.7	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
 for
 Busick Air

Client Reference: 39824.00
 Clayton Project No. 92023.03

Sample Identification:	MW-3	Date Sampled:	02/27/92
Lab Number:	9202303-03A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

ND Not detected at or above limit of detection
 -- Information not available or not applicable

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	MW-3	Date Sampled:	02/27/92
Lab Number:	9202303-03A	Date Received:	02/27/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 602		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Aromatics</u>			
Benzene	71-43-2	ND	0.4
Chlorobenzene	108-90-7	ND	0.3
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.3
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	91	50 - 150
1,4-Difluorobenzene	540-36-3	99	50 - 150

ND Not detected at or above limit of detection

-- Information not available or not applicable

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification: METHOD BLANK Date Sampled: --
Lab Number: 9202303-05A Date Received: --
Sample Matrix/Media: WATER Date Analyzed: 03/02/92
Analytical Method: EPA 601

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Busick Air

Client Reference: 39824.00
Clayton Project No. 92023.03

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9202303-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Analyzed:	03/02/92
Analytical Method:	EPA 602		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Aromatics</u>			
Benzene	71-43-2	ND	0.4
Chlorobenzene	108-90-7	ND	0.3
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.3
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>	
			LCL	UCL
Bromochloromethane	74-97-5	94	50	150
1,4-Difluorobenzene	540-36-3	103	50	150

ND Not detected at or above limit of detection
-- Information not available or not applicable

Clayton

ENVIRONMENTAL
CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page _____ of _____

Project No. _____

Batch No. 9202303

Client No. _____

Date Logged In 2/27/92 By TS

REPORT RESULTS TO	Name <u>Richard Silva</u>		Title _____		Purchase Order No. _____		Client Job No. <u>39824.00</u>																																												
	Company <u>Clayton</u>		Dept. _____		Name <u>Bursick Air</u>		Dept. _____																																												
	Mailing Address _____				Address _____																																														
	City, State, Zip _____		Telephone No. _____		City, State, Zip _____		Telephone No. _____																																												
Date Results Required: <u>Normal TAT</u>		Rush Charges Authorized? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Phone Results <input type="checkbox"/>		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)																																													
Special Instructions: (method, limit of detection, etc.) _____				Samples are: (check if applicable) <input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York		<table border="1"> <tr> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Containers</td> <td colspan="8" style="text-align: center;">/ /</td> <td rowspan="5" style="text-align: center;">FOR LAB USE ONLY</td> </tr> <tr> <td colspan="8" style="text-align: center;">/ /</td> </tr> <tr> <td colspan="8" style="text-align: center;">/ /</td> </tr> <tr> <td colspan="8" style="text-align: center;">/ /</td> </tr> <tr> <td colspan="8" style="text-align: center;">/ /</td> </tr> </table>				Number of Containers	/ /								FOR LAB USE ONLY	/ /								/ /								/ /								/ /							
Number of Containers	/ /										FOR LAB USE ONLY																																								
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Explanation of Preservative: <u>P = Hcl</u>																																																			
CLIENT SAMPLE IDENTIFICATION			DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)																																														
<u>MW-1</u>			<u>2/27/92</u>	<u>Water</u>	<u>40ML</u>	<u>2</u>	<u>X</u>											<u>01 A, B</u>																																	
<u>MW-2</u>						<u>2</u>	<u>X</u>											<u>02</u>																																	
<u>MW-3</u>						<u>2</u>	<u>X</u>											<u>03</u>																																	
<u>Tap Blank</u>						<u>2</u>	<u>X</u>											<u>04 V</u>																																	
CHAIN OF CUSTODY		Relinquished by: <u>M Spraggon (Sampler)</u>		Date/Time: <u>2/27/92 3:40PM</u>		Received by: _____				Date/Time: _____																																									
		Relinquished by: _____		Date/Time: _____		Received at Lab by: <u>Terry Jatus</u>				Date/Time: <u>2/27/92 3:40</u>																																									
		Method of Shipment: _____				Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)																																													
Authorized by: <u>M Spraggon</u>		Date: <u>2/27/92</u>																																																	
(Client Signature Must Accompany Request)																																																			

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

- | | | | |
|---|---|--|--|
| 22345 Roethel Drive
Novi, MI 48375
(313) 344-1770 | Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040 | 400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500 | 1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600 |
|---|---|--|--|

DISTRIBUTION:
 WHITE - Clayton Laboratory
 YELLOW - Clayton Accounting
 PINK - Client Copy

APPENDIX B

WATER SAMPLING FIELD SURVEY FORMS

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39824.00

Site: Busick Air - Dublin

Date: 2/27/92

Well No: MW-1

Sampling Team: Mike Springman

Sampling Method: Submersible pump, disposable bailer

Field Conditions: Clear, sunny

Describe Equipment Decontamination Before Sampling This Well: Sub. pump de-con. with detergent wash, double rinsed and steam cleaned

Total Depth of Well:

14.5 ft.

Time: 9:50

Depth to Water Before Purging:

4.14 ft.

Volume Height of Water Column:

10.36 ft.

2-inch

* .16

4-inch

(.65)

=

Volume

6.73 gals

*

Purge Factor

4

=

To Purge

26.92 gals.

Depth Purging From: 14.0 ft.

Time Purging Begins: 10:06

Notes on Initial Discharge: Cloudy, no odor

Time	Volume Purged	pH	Conductivity	T	Comments
10:08	10	4.0	5,000+	67	Cloudy
10:20	20	4.6	5,000+	71	Clear
10:26	25	6.6	5,000+	71	Clear
10:31	30	6.6	5,000+	71	Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 10:50

	Rep #1	Rep #2	Rep #3	Rep #4
pH	6.6	6.6	6.6	6.6
Conductivity	5,000+	5,000+	5,000+	5,000+
T°C	71°	71°	71°	71°

Pre-Sample Collection Gallons Purged: 30

Time Sample Collection Begins: 10:40

Time Sample Collection Ends: 10:45

Total Gallons Purged: 31

Comments: Well cover not water tight. Well cover missing one lock screw.

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39824.00

Site: Busick Air - Dublin

Date: 2/27/92

Well No: MW-2

Sampling Team: Mike Springman

Sampling Method: Submersible pump, disposable bailer

Field Conditions: Clear, sunny

Describe Equipment Decontamination Before Sampling This Well: Sub. pump de-con with detergent wash, double rinsed and steam cleaned

Total Depth of Well: 14.5 ft.

Time: 11:15

Depth to Water Before Purging: 2.94 ft.

Volume Height of Water Column: 11.56 ft. * 2-inch .16 4-inch (.65) = Volume 7.51 gals * Purge Factor 4 = To Purge 30.04 gals.

Depth Purging From: 14.0 ft.

Time Purging Begins: 11:25

Notes on Initial Discharge: Cloudy, no odor

Time	Volume Purged	pH	Conductivity	T	Comments
11:28	5	4.0	3,600	64°	Clear
11:31	10	5.4	3,800	64°	Clear
11:34	15	6.4	3,600	66°	Clear
11:38	20	6.6	3,600	66°	Clear
11:41	25	6.6	3,600	66°	Clear
11:45	30	6.6	3,600	66°	Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 12:05

	Rep #1	Rep #2	Rep #3	Rep #4
pH	5.6	6.0	6.4	6.4
Conductivity	3,000	3,000	3,000	3,000
T°C	66°	66°	66°	66°

Pre-Sample Collection Gallons Purged: 30
Time Sample Collection Begins: 11:55
Time Sample Collection Ends: 12:00
Total Gallons Purged: 31

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39824.00

Site: Busick Air - Dublin

Date: 2/27/92

Well No: MW-3

Sampling Team: Mike Springman

Sampling Method: Submersible pump, disposable bailer

Field Conditions: Clear, sunny

Describe Equipment Decontamination Before Sampling This Well:

Sub. pump de-con. with detergent wash, double rinsed and steam cleaned.

Total Depth of Well:

14:06 ft.

Time:

12:50

Depth to Water Before Purging:

3.72 ft.

Volume Height of Water Column:

10:34 ft.

*

2-inch

.16

4-inch

(.65)

=

Volume

6.72 gals

*

Purge Factor

4

=

To Purge

25.88 gals.

Depth Purging From: 13.5 ft.

Time Purging Begins: 1:10

Notes on Initial Discharge: Clear, no odor

Time	Volume Purged	pH	Conductivity	T	Comments
1:15	5	4.2	5,000+	68°	Clear
1:21	10	5.6	5,000+	68°	Clear
1:26	15	6.0	5,000	68°	Clear
1:31	20	6.2	4,900	68°	Clear
1:36	25	6.4	4,300	68°	Clear
1:37	27	6.4	3,900	68°	Clear
1:39	30	6.4	3,900	68°	Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Time Field Parameter Measurement Begins: 2:00

	Rep #1	Rep #2	Rep #3	Rep #4
pH	4.0	4.8	6.0	6.2
Conductivity	2,900	3,100	3,100	3,100
T°C	68°	68°	68°	68°

Pre-Sample Collection Gallons Purged: 30

Time Sample Collection Begins: 1:50

Time Sample Collection Ends: 1:55

Total Gallons Purged: 31

Comments: