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Lockheed Martin Corporation
Corporate Environment, Safety & Health
7921 Southpark Plaza, Suite 210 Littleton, CO 80120

LOCKHEED MARTIN

October 26, 2000

Mr. Gerald J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

I am writing to report analytical results for water discharges for the month of September 2000 as required under NPDES permit CAG998001 and subsequent modifications to this permit.

Permitted discharges occurred during September 2000, and were associated with perchlorate pilot treatment system operation at the "Gage New 6" well. 217,824 gallons of groundwater were discharged from September 1 through September 30, 2000.

Attachment 1 summarizes daily discharges and analytical results. The water was discharged to a dry portion of the Santa Ana Wash east of Tippecanoe Avenue. The discharged water completely percolated into soil, never reaching any flowing portion of the Santa Ana River.

Attachment 2 summarized the related laboratory analytical data. Please contact me at 303-971-1880 if you or your staff have any questions.

Sincerely,

Stephen Evanoff
Manager, Redlands Project

SE:rh

Attachments

c: see distribution

Distribution

Kevin Mayer (SFD-73)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

Susan Beeson
California Regional Quality Control Board
Santa Ana Region

Kamron Saremi
California Regional Quality Control Board
Santa Ana Region

James H. O'Brien (w/o attachments)
Vice President
Lockheed Martin Corporation
7921 Southpark Plaza, Suite 210
Littleton, CO 80120

ATTACHMENT 1

Table 1.

NPDES Summary--September 2000[1,4]

Constituent	9/1/00	9/5/00	9/6/00	9/7/00	9/8/00	9/11/00	9/12/00	9/13/00	9/18/00	9/19/00	9/20/00	9/21/00	9/23/00	9/24/00	9/25/00	9/26/00	9/27/00	9/28/00	9/29/00	9/30/00
Flow (gallons/day)	2,592	10,368	2,592	2,592	2,592	7,776	2,592	15,360	14,280	14,280	14,280	14,280	14,280	14,280	14,280	14,280	14,280	14,280	14,280	14,280
Oil and Grease (mg/l)	<5	<5	<5	<5	<5	<5	na	na	na	na	na	<5	<5	<5	na	na	<5	na	na	na
Sulfides (mg/l)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	na	na	na	na	na	<0.1	<0.1	<0.1	na	na	<0.1	na	na	na
TPH (mg/l)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	na	na	na	na	na	<0.2	<0.2	<0.2	na	na	<0.2	na	na	na
TCE (ug/l)[3]	<1	<1	<1	<1	<1	<1	na	na	na	na	na	<1	<1	<1	na	na	<1	na	na	na
pH (Effluent)	8	8.2	na	8.1	8.0	8.3	8.3	8.2	na	na	8.2	7.9	na	na	8.1	8.1	8.0	8.0	na	na
Perchlorate (ug/l)	ND	ND	ND	ND	ND	ND	na	na	na	na	na	ND	ND	ND	na	na	ND	na	na	na
Nitrate as NO_3 (mg/l)	29	22	29	29	30	29	na	na	na	na	na	18	37	34	na	na	9.3	na	na	na
DBCP (ug/l)	ND	ND	ND	ND	ND	ND	na	na	na	na	na	ND	ND	ND	na	na	ND	na	na	na
TSS (mg/l)	ND	ND	ND	ND	ND	ND	na	na	na	na	na	ND	ND	ND	na	na	ND	na	na	na

Notes:

1. The pilot perchlorate treatment plant did not operate on dates not listed; and/or no discharges occurred.
2. na=not analyzed.
3. All method volatile organic constituents ND (non-detect).
4. Weekly analysis of discharge water was granted by the RWQCB on 9/1/00.

ATTACHMENT 2

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Thursday, September 21, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562

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Report Date: *Thursday, September 21, 2000*
Received Date: *Friday, September 01, 2000*
Log By: tn
Log Time: 13:54

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/1/00 kk	WS17345
Prep. SPE								
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00 sl	WS17476
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/6/00 td	WS17446
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00 aw	WS17460
Prep. Direct Inj.								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00 dc	WS17634
Prep. EPA 3510C								
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/8/00 tl	WS17667
Prep. P&T								
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/5/00 tl	WS17703
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/7/00 rt	WS17562
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Thursday, September 21, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/7/00 rt	WS17562
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/7/00 rt	WS17562
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/7/00 rt	WS17562

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0528

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, September 27, 2000*
Received Date: *Tuesday, September 05, 2000*
Log By: mr
Log Time: 11:46

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/5/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/5/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/8/00	rt	WS17567
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/8/00	rt	WS17567
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00	rt	WS17567
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/8/00	rt	WS17567
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/8/00	rt	WS17567
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/8/00	rt	WS17567
Nitrate as NO3	22		mg/L	1	0.20	EPA 300.0	9/5/00	kk	WS17500
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00	sl	WS17476
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17667
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/5/00	tl	WS17703
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/6/00	td	WS17446

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: Client **Date:** 9/5/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, September 27, 2000*
Received Date: *Wednesday, September 06, 2000*
Log By: tn
Log Time: 12:25

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Moinaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/6/00	kk	WS17505
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00	si	WS17476
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17835
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17631

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:
- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect. LCS recovery greater than the upper control limit.
- L = Result is suspect. LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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SEP-28-2000 15:16 FROM:WECK LABS INC

Weck Laboratories, Inc.
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Report Date: *Monday, October 02, 2000*
Received Date: *Thursday, September 07, 2000*
Log By: tn
Log Time: 11:13

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/7/00	kk	WS17581
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17635
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: Monday, October 02, 2000

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00	rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00	rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00	rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Friday, September 29, 2000*
Received Date: *Friday, September 08, 2000*
Log By: tn
Log Time: 11:59

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	30		mg/L	1	0.20	EPA 300.0	9/8/00	kk	WS17669
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/11/00	aw	WS17573
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17835
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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Weck Laboratories, Inc.
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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, October 02, 2000*
Received Date: *Monday, September 11, 2000*
Log By: tn
Log Time: 15:29

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA,TP Date: 9/11/00 Time: 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/14/00	aw	WS17709
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/18/00	td	WS17762
Prep. *Direct Inj.*									
Chloride	44		mg/L	10	2.0	EPA 300.0	9/11/00	kk	WS17690
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/11/00	kk	WS17690
Sulfate	18		mg/L	1	0.50	EPA 300.0	9/11/00	kk	WS17690
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/20/00	tl/w	WS18027
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/15/00	tl/w	WS18019
Prep. *P&T*									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/15/00	rt	WS17779
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/15/00	rt	WS17779
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/15/00	rt	WS17779
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00	rt	WS17779
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/15/00	rt	WS17779
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: Monday, October 02, 2000

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA,TP Date: 9/11/00 Time: 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: Monday, October 02, 2000

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA,TP Date: 9/11/00 Time: 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/15/00 rt	WS17779

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:
B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Environmental and Analytical Services - Since 1964

Report Date: *Wednesday, October 11, 2000*
Received Date: *Thursday, September 21, 2000*
Log By: mr
Log Time: 12:06

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006667-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/30/00	rt	WS18203
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/30/00	rt	WS18203
Nitrate as NO3	18		mg/L	1	0.20	EPA 300.0	9/22/00	kk	WS18036
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/22/00	sl	WS17914
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	1.1	EPA 8015B	9/29/00	TL	WS18448
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/	WS18414
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/22/00	TD	WS17926
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/26/00	aw	WS18071

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. *Direct Inj.*								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/21/00 dc	WS17902

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0528

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
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Report Date: *Monday, September 11, 2000*
Received Date: *Wednesday, August 23, 2000*
Log By: tn
Log Time: 17:27

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	37		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17101
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	sl	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
1,1,1,2-Totrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/3/00 rt	WS17403

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, September 11, 2000*
Received Date: *Thursday, August 24, 2000*
Log By: tn
Log Time: 11:57

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006000-001
Sampled By: TP
Sample ID: Discharge
Date: 8/24/00
Time: 8:00
Matrix: Ground Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	34		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17105
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	al	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	sw	WS17195
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroform	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346

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Weck Laboratories, Inc.
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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	8/30/00 rt	WS17346
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00 rt	WS17346
Toluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Styrene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromoform	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	8/30/00 rt	WS17346
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	8/30/00 rt	WS17346
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	8/30/00 rt	WS17346

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ8526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Friday, October 13, 2000*
Received Date: *Wednesday, September 27, 2000*
Log By: tn
Log Time: 12:17

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/27/00 Time: 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	9.3		mg/L	1	0.20	EPA 300.0	9/28/00	kk	WS18157
Prep. Method: SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	10/3/00	al	WS18313
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/28/00	hn	WS18161
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/29/00	aw	WS18296
Prep. Method: Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/28/00	dc	WS18132
Prep. Method: EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	10/4/00	TL/W	WS18393
Prep. Method: P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/W	WS18414
Prep. Method: P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroform	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/27/00 Time: 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
Toluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Styrene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromoform	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/27/00 Time: 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	10/1/00 rt	WS18332

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0628

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value. result over the calibration range
R = Result is suspect. LCS recovery greater than the upper control limit.
L = Result is suspect. LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected. below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

Lab#: *A006834*

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DAILY MONITORING LOG

Column 3A

Test Sequence 2 Cycle 3 Date 9-1-00

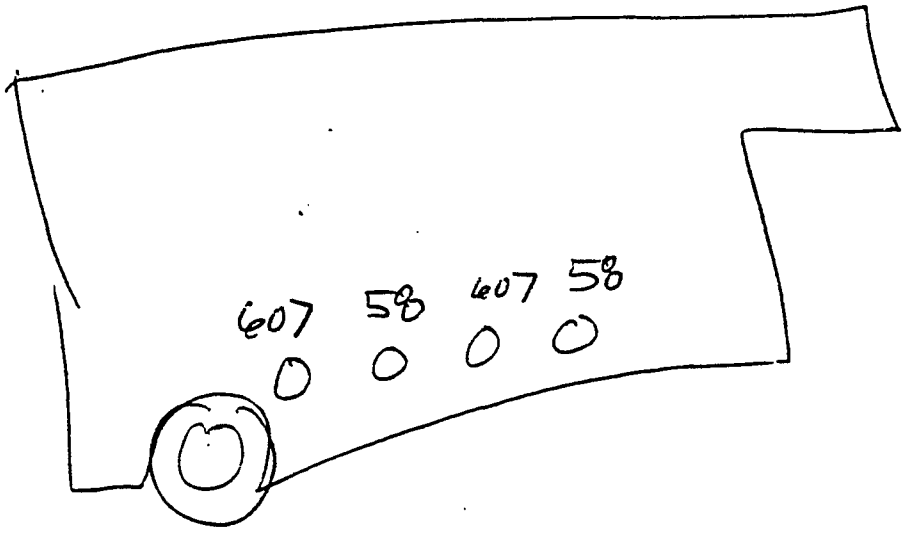
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	13:40	gpm
Totalizer Value from Touch-screen	Touch Screen	80369	14:10	gallons
Influent Pressure to Column 3A	PI-3A-2	30	13:40	psi
Effluent Pressure from Column 3A	PI-3B-1	2	13:40	psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	28	13:40	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	23	13:57	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	3.9	13:57	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	42	14:18	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	5.2	14:21	mg/l
~~Regeneration Flow Rate to Column 3A~~	~~FI-3A-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 3A~~	~~FI-3A-2~~			~~gpm~~

DAILY MONITORING LOG

General Parameters

Date 9.1.00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	14:22	
Conductivity	Discharge	574	14:16	
GAC Influent	PI-01	2	14:24	psi
GAC Midpoint	PI-02	0	14:24	psi
GAC Effluent	PI-03	0	14:24	psi
Bag Filter Influent	PI-04	57	14:24	psi
Bag Filter Effluent	PI-05	56	14:24	psi
Influent Manifold Pressure	PI-06		14:24	psi
Electrical Usage Meter A	Electric Meter	5070	14:24	KW-Hours
Electrical Usage Meter B	Electric Meter	918	14:24	KW-Hours



DAILY MONITORING LOG
General Parameters

Date 9/5/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2		
Conductivity	Discharge	584		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5097		KW-Hours
Electrical Usage Meter B	Electric Meter	931		KW-Hours

>60 55 >60 59

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9/5/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1530	gpm
Totalizer Value from Touch-screen	Touch Screen	76097		gallons
Influent Pressure to Column 3A	PI-3A-2	38		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	37		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	35		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	6.7		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	25		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.0		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—		gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—		gpm

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9/6/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1030	gpm
Totalizer Value from Touch-screen	Touch Screen	178250		gallons
Influent Pressure to Column 3A	PI-3A-2	37		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	36		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	28		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	8.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	37		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.6		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9-7-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	16:18	gpm
Totalizer Value from Touch-screen	Touch Screen	97096		gallons
Influent Pressure to Column 3A	PI-3A-2	28		psi
Effluent Pressure from Column 3A	PI-3B-1	3		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	25		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	29		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	12.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	31		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.2		mg/l
~~Regeneration Flow Rate to Column 3A~~	~~FI-3A-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 3A~~	~~FI-3A-2~~			gpm

DAILY MONITORING LOG
General Parameters

Date 9/7/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	0845	
Conductivity	Discharge	582		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5108		KW-Hours
Electrical Usage Meter B	Electric Meter	937		KW-Hours

>60 55 >60 54

DAILY MONITORING LOG
General Parameters

Date 9-8-00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1600	
Conductivity	Discharge	590	1600	
GAC Influent	PI-01	3	15:11	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5117		KW-Hours
Electrical Usage Meter B	Electric Meter	944		KW-Hours

(psi)

607 55 607 55

0 0 0 0

0

DAILY MONITORING LOG

Column 3A

Test Sequence TS2-AD3 **Cycle** 66K BV **Date** 9-8-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1600	gpm
Totalizer Value from Touch-screen	Touch Screen	99255	1155	gallons
Influent Pressure to Column 3A.	PI-3A-2	54	"	psi
Effluent Pressure from Column 3A	PI-3B-1	50	"	psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	4	"	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	39	"	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	11.7	"	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	39	"	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	11.6	"	mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	N/A	N/A	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	N/A	N/A	gpm

DAILY MONITORING LOG

General Parameters

Date 9-11-00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1640	
Conductivity	Discharge	605		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	55		psi
Bag Filter Effluent	PI-05	54		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5137		KW-Hours
Electrical Usage Meter B	Electric Meter	956		KW-Hours

60+ 54 60+ 52

DAILY MONITORING LOG

Column 3A

Test Sequence TS2-AD3 **Cycle** 72K **Date** 9-11-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1630	gpm
Totalizer Value from Touch-screen	Touch Screen	190430		gallons
Influent Pressure to Column 3A	PI-3A-2	30		psi
Effluent Pressure from Column 3A	PI-3B-1	~ 1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	29		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	47		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	10.1		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	41		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	8.0		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

General Parameters

Date 9/12

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1035	
Conductivity	Discharge	612		
GAC Influent	PI-01	2		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	55		psi
Bag Filter Effluent	PI-05	53		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5142		KW-Hours
Electrical Usage Meter B	Electric Meter	959		KW-Hours

60 + 53 60 53

DAILY MONITORING LOG

Column 3A

Test Sequence 2 Cycle_____ Date 9/12

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1040	gpm
Totalizer Value from Touch-screen	Touch Screen	192285		gallons
Influent Pressure to Column 3A	PI-3A-2	30		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	29		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	33		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	7.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	44		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.7		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

General Parameters

Date 9/13/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	15:57	
Conductivity	Discharge	591	16:57	
GAC Influent	PI-01	2	15:46	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	0		psi
Bag Filter Effluent	PI-05	0		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	3149		KW-Hours
Electrical Usage Meter B	Electric Meter	966		KW-Hours

(psi)

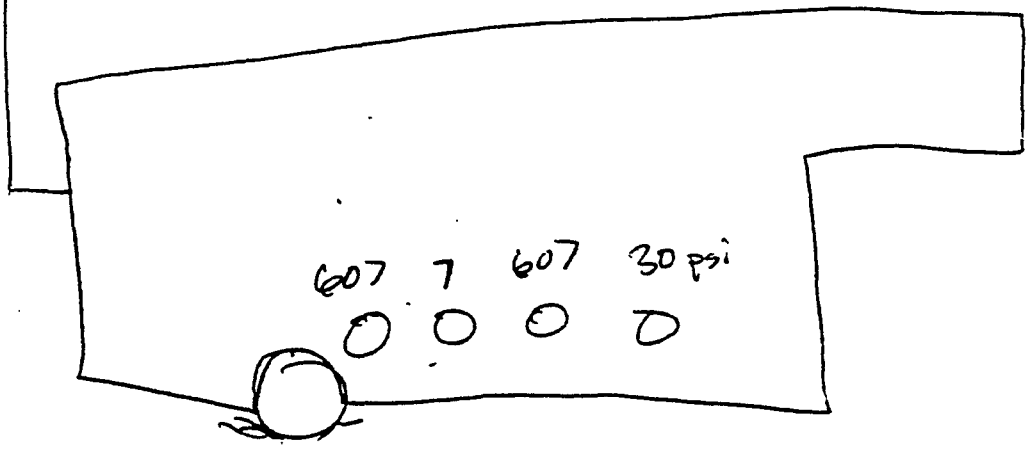
607 7 607 40

0. 0 0 0

DAILY MONITORING LOG
General Parameters

Date 9/14

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	7.8	17:19	
Conductivity	Discharge	1205	17:16	
GAC Influent	PI-01	3	17:10	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	0		psi
Bag Filter Effluent	PI-05	0		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5157		KW-Hours
Electrical Usage Meter B	Electric Meter	973		KW-Hours



Column 2B
Test Sequence 2, Cycle 1

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 1	1 BV = 10.2 Gallons	2B-TS2AD1-1	9/13	17:00	X	X	X
Adsorb Cycle 1	2 BV = 20.4 Gallons	2B-TS2AD1-2		17:03	X	X	X
Adsorb Cycle 1	3 BV = 30.6 Gallons	2B-TS2AD1-3		17:05	X	X	X
Adsorb Cycle 1	4 BV = 40.8 Gallons	2B-TS2AD1-4		17:07	X	X	X
Adsorb Cycle 1	5 BV = 51 Gallons	2B-TS2AD1-5		1709	X	X	X
Adsorb Cycle 1	10 BV = 103 Gallons	2B-TS2AD1-10		1719	X	X	X
Adsorb Cycle 1	50 BV = 510 Gallons	2B-TS2AD1-50		1825	X	X	X
Adsorb Cycle 1	100 BV = 1020 Gallons	2B-TS2AD1-100		2000	X	X	X
Adsorb Cycle 1	150 BV = 1530 Gallons	2B-TS2AD1-150		2130	X	X	X
Adsorb Cycle 1	200 BV = 2040 Gallons	2B-TS2AD1-200		2308	X	X	X
Adsorb Cycle 1	300 BV = 3060 Gallons	2B-TS2AD1-300	9-14	0210	X	X	X
Adsorb Cycle 1	400 BV = 4080 Gallons	2B-TS2AD1-400		0515	X	X	X
Adsorb Cycle 1	500 BV = 5100 gallons	2B-TS2AD1-500		0825	X	X	X
Adsorb Cycle 1	600 BV = 6120 Gallons	2B-TS2AD1-600		1130	X	X	X
Adsorb Cycle 1	700 BV = 7140 Gallons	2B-TS2AD1-700			X	X	X
Brine, Cycle 1	25 Gallons @ 1 gpm	2B-TS2-BR1-COMP	9/18	1010	X	X	X
Rinse Water, Cycle 1	Composite during rinse	2B-TS2-RW1-COMP	9/18	13:15	X	X	X

Column 5
Test Sequence 2, Cycle 1

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 1	~~1 BV = 10.2 Gallons~~	5-TS2AD1-1	9/13	1645	X	X	X
Adsorb Cycle 1	~~2 BV = 20.4 Gallons~~	5-TS2AD1-2		1647	X	X	X
Adsorb Cycle 1	~~3 BV = 30.6 Gallons~~	5-TS2AD1-3		16:50	X	X	X
Adsorb Cycle 1	~~4 BV = 40.8 Gallons~~	5-TS2AD1-4		16:53	X	X	X
Adsorb Cycle 1	~~5 BV = 51 Gallons~~	5-TS2AD1-5		16:56	X	X	X
Adsorb Cycle 1	~~10 BV = 103 Gallons~~	5-TS2AD1-10		17:06	X	X	X
Adsorb Cycle 1	50 BV = 510 Gallons	5-TS2AD1-50		18:14	X	X	X
Adsorb Cycle 1	100 BV = 1020 Gallons	5-TS2AD1-100		19:45	X	X	X
Adsorb Cycle 1	150 BV = 1530 Gallons	5-TS2AD1-150		21:14	X	X	X
Adsorb Cycle 1	200 BV = 2040 Gallons	5-TS2AD1-200		22:50	X	X	X
Adsorb Cycle 1	300 BV = 3060 Gallons	5-TS2AD1-300	9/14	0200	X	X	X
Adsorb Cycle 1	400 BV = 4080 Gallons	5-TS2AD1-400		0459	X	X	X
Adsorb Cycle 1	500 BV = 5100 gallons	5-TS2AD1-500		0805	X	X	X
Adsorb Cycle 1	600 BV = 6120 Gallons	5-TS2AD1-600		1117	X	X	X
Adsorb Cycle 1	700 BV = 7140 Gallons	5-TS2AD1-700			X	X	X
Brine, Cycle 1	25 Gallons @ 1 gpm	5-TS2-BR1-COMP	9/18	1010	X	X	X
Rinse Water, Cycle 1	Composite during rinse	5-TS2-RW1-COMP	9/18	13:15	X	X	X

Column 2B

Test Sequence 2, Cycle 2

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 2	Influent Sample	2B-TS2AD2-0	9-18-00	14:53	X	X	X
Adsorb Cycle 2	1 BV = 10.2 Gallons	2B-TS2AD2-1		14:56	X	X	X
Adsorb Cycle 2	2 BV = 20.4 Gallons	2B-TS2AD2-2		15:00	X	X	X
Adsorb Cycle 2	3 BV = 30.6 Gallons	2B-TS2AD2-3		15:03	X	X	X
Adsorb Cycle 2	4 BV = 40.8 Gallons	2B-TS2AD2-4		15:06	X	X	X
Adsorb Cycle 2	5 BV = 51 Gallons	2B-TS2AD2-5		15:10	X	X	X
Adsorb Cycle 2	10 BV = 103 Gallons	2B-TS2AD2-10		1521	X	X	X
Adsorb Cycle 2	50 BV = 510 Gallons	2B-TS2AD2-50		16:39	X	X	X
Adsorb Cycle 2	100 BV = 1020 Gallons	2B-TS2AD2-100		17:58	X	X	X
Adsorb Cycle 2	150 BV = 1530 Gallons	2B-TS2AD2-150		19:42	X	X	X
Adsorb Cycle 2	200 BV = 2040 Gallons	2B-TS2AD2-200		2100	X	X	X
Adsorb Cycle 2	300 BV = 3060 Gallons	2B-TS2AD2-300	9-19-00	00:10	X	X	X
Adsorb Cycle 2	400 BV = 4080 Gallons	2B-TS2AD2-400		0312	X	X	X
Adsorb Cycle 2	500 BV = 5100 gallons	2B-TS2AD2-500		0605	X	X	X
Adsorb Cycle 2	550 BV = 5610 gallons	2B-TS2AD2-550		0730	X	X	X
Adsorb Cycle 2	600 BV = 6120 Gallons	2B-TS2AD2-600		0900	X	X	X
Adsorb Cycle 2	650 BV = 6630 gallons	2B-TS2AD2-650		1045	X	X	X
Adsorb Cycle 2	700 BV = 7140 Gallons	2B-TS2AD2-700		1215	X	X	X
Brine, Cycle 2	25 Gallons @ 1 gpm	2B-TS2-BR2-COMP		1330	X	X	X
Rinse Water, Cycle 2	Composite during rinse	2B-TS2-RW2-COMP		1340	X	X	X

Column 5
Test Sequence 2, Cycle 2

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 2	Influent Sample	~~5-TS2AD2-0~~	9-18-00	14:35	X	X	X
Adsorb Cycle 2	1 BV = 10.2 Gallons	~~5-TS2AD2-1~~		14:38	X	X	X
Adsorb Cycle 2	2 BV = 20.4 Gallons	~~5-TS2AD2-2~~		14:42	X	X	X
Adsorb Cycle 2	3 BV = 30.6 Gallons	~~5-TS2AD2-3~~		14:44	X	X	X
Adsorb Cycle 2	4 BV = 40.8 Gallons	~~5-TS2AD2-4~~		14:47	X	X	X
Adsorb Cycle 2	5 BV = 51 Gallons	~~5-TS2AD2-5~~		14:50	X	X	X
Adsorb Cycle 2	10 BV = 103 Gallons	~~5-TS2AD2-10~~		15:01	X	X	X
Adsorb Cycle 2	50 BV = 510 Gallons	~~5-TS2AD2-50~~		16:20	X	X	X
Adsorb Cycle 2	100 BV = 1020 Gallons	~~5-TS2AD2-100~~		17:35	X	X	X
Adsorb Cycle 2	150 BV = 1530 Gallons	~~5-TS2AD2-150~~		19:36	X	X	X
Adsorb Cycle 2	200 BV = 2040 Gallons	5-TS2AD2-200		2055	X	X	X
Adsorb Cycle 2	300 BV = 3060 Gallons	5-TS2AD2-300		2350	X	X	X
Adsorb Cycle 2	400 BV = 4080 Gallons	5-TS2AD2-400	9-19-00	0255	X	X	X
Adsorb Cycle 2	500 BV = 5100 gallons	5-TS2AD2-500		0550	X	X	X
Adsorb Cycle 2	550 BV = 5610 gallons	5-TS2AD2-550		0718	X	X	X
Adsorb Cycle 2	600 BV = 6120 Gallons	5-TS2AD2-600		0850	X	X	X
Adsorb Cycle 2	650 BV = 6630 gallons	5-TS2AD2-650		1025	X	X	X
Adsorb Cycle 2	700 BV = 7140 Gallons	5-TS2AD2-700		1215	X	X	X
Brine, Cycle 2	25 Gallons @ 1 gpm	5-TS2-BR2-COMP		14:00	X	X	X
Rinse Water, Cycle 2	Composite during rinse	5-TS2-RW2-COMP		14:04	X	X	X

Column 2B

Test Sequence 2, Cycle 3

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 3	Influent Sample	2B-TS2AD3-0	9-19-00	15:14	X	X	X
Adsorb Cycle 3	1 BV = 10.2 Gallons	2B-TS2AD3-1		15:16	X	X	X
Adsorb Cycle 3	2 BV = 20.4 Gallons	2B-TS2AD3-2		1518	X	X	X
Adsorb Cycle 3	3 BV = 30.6 Gallons	2B-TS2AD3-3		15:20	X	X	X
Adsorb Cycle 3	4 BV = 40.8 Gallons	2B-TS2AD3-4		1522	X	X	X
Adsorb Cycle 3	5 BV = 51 Gallons	2B-TS2AD3-5		1524	X	X	X
Adsorb Cycle 3	10 BV = 103 Gallons	2B-TS2AD3-10		15:30	X	X	X
Adsorb Cycle 3	50 BV = 510 Gallons	2B-TS2AD3-50		16:57	X	X	X
Adsorb Cycle 3	100 BV = 1020 Gallons	2B-TS2AD3-100		18:15	X	X	X
Adsorb Cycle 3	150 BV = 1530 Gallons	2B-TS2AD3-150		1942	X	X	X
Adsorb Cycle 3	200 BV = 2040 Gallons	2B-TS2AD3-200		2125	X	X	X
Adsorb Cycle 3	300 BV = 3060 Gallons	2B-TS2AD3-300	9-20	0035	X	X	X
Adsorb Cycle 3	400 BV = 4080 Gallons	2B-TS2AD3-400		0535	X	X	X
Adsorb Cycle 3	500 BV = 5100 gallons	2B-TS2AD3-500		0638	X	X	X
Adsorb Cycle 3	550 BV = 5610 gallons	2B-TS2AD3-550		8:23	X	X	X
Adsorb Cycle 3	600 BV = 6120 Gallons	2B-TS2AD3-600		9:39	X	X	X
Adsorb Cycle 3	650 BV = 6630 gallons	2B-TS2AD3-650			X	X	X
Adsorb Cycle 3	700 BV = 7140 Gallons	2B-TS2AD-700		12:34	X	X	X
Brine, Cycle 3	25 Gallons @ 1 gpm	2B-TS2-BR3-COMP		13:51	X	X	X
Rinse Water, Cycle 3	Composite during rinse	2B-TS2-RW3-COMP		1530	X	X	X

Column 5
Test Sequence 2, Cycle 3

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 3	Influent Sample	5-TS2AD3-0	9-19-00	14:58	X	X	X
Adsorb Cycle 3	1 BV = 10.2 Gallons	5-TS2AD3-1		15:01	X	X	X
Adsorb Cycle 3	2 BV = 20.4 Gallons	5-TS2AD3-2		15:04	X	X	X
Adsorb Cycle 3	3 BV = 30.6 Gallons	5-TS2AD3-3		15:06	X	X	X
Adsorb Cycle 3	4 BV = 40.8 Gallons	5-TS2AD3-4		15:09	X	X	X
Adsorb Cycle 3	5 BV = 51 Gallons	5-TS2AD3-5		15:11	X	X	X
Adsorb Cycle 3	10 BV = 103 Gallons	5-TS2AD3-10		15:20	X	X	X
Adsorb Cycle 3	50 BV = 510 Gallons	5-TS2AD3-50		16:34	X	X	X
Adsorb Cycle 3	100 BV = 1020 Gallons	5-TS2AD3-100		18:07	X	X	X
Adsorb Cycle 3	150 BV = 1530 Gallons	5-TS2AD3-150		19:20	X	X	X
Adsorb Cycle 3	200 BV = 2040 Gallons	5-TS2AD3-200		2100	X	X	X
Adsorb Cycle 3	300 BV = 3060 Gallons	5-TS2AD3-300	9-20	00:18	X	X	X
Adsorb Cycle 3	400 BV = 4080 Gallons	5-TS2AD3-400		0320	X	X	X
Adsorb Cycle 3	500 BV = 5100 gallons	5-TS2AD3-500		0626	X	X	X
Adsorb Cycle 3	550 BV = 5610 gallons	5-TS2AD3-550		08:00	X	X	X
Adsorb Cycle 3	600 BV = 6120 Gallons	5-TS2AD3-600		09:31	X	X	X
Adsorb Cycle 3	650 BV = 6630 gallons	5-TS2AD3-650		10:56	X	X	X
Adsorb Cycle 3	700 BV = 7140 Gallons	5-TS2AD-700		12:34	X	X	X
Brine, Cycle 3	25 Gallons @ 1 gpm	5-TS2-BR3-COMP		13:49	X	X	X
Rinse Water, Cycle 3	Composite during rinse	5-TS2-RW3-COMP		1530	X	X	X

DAILY MONITORING LOG

General Parameters

Date 9/20

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1720	
Conductivity	Discharge	875		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5173		KW-Hours
Electrical Usage Meter B	Electric Meter	998		KW-Hours

60 + 40 40 40

DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 4 Date 9/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	1715	gpm
Totalizer Value from Touch-screen	Touch Screen	52768		gallons
Influent Pressure to Column 2B	PI-2B-2	12		psi
Effluent Pressure from Column 2B	PI-2B-1	7		psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	5		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	77		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	6.5		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1.0		mg/l
Regeneration Flow Rate to Column 2B	FI-2B-1	—		gpm
Rinse Water Flow Rate to Column 2B	FI-2B-2	—		gpm

DAILY MONITORING LOG

Column 5

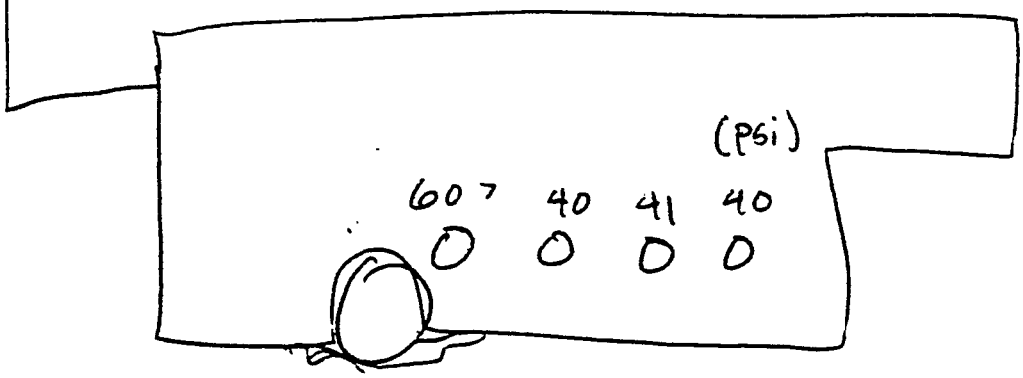
Test Sequence 2 Cycle 4 Date 9/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	1747	gpm
Totalizer Value from Touch-screen	Touch Screen	495932		gallons
Influent Pressure to Column 5	PI-3C-2	15		psi
Effluent Pressure from Column 5	PI-3C-1	6		psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	75		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	6.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.6		mg/l
Regeneration Flow Rate to Column 4	FI-3C-1	—		gpm
Rinse Water Flow Rate to Column 4	FI-3C-2	—		gpm

DAILY MONITORING LOG
General Parameters

Date 9/21

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	7.9	6:42	
Conductivity	Discharge	794	6:42	
GAC Influent	PI-01	3	6:37	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5179		KW-Hours
Electrical Usage Meter B	Electric Meter	1002		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 5 Date 9/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8		gpm
Totalizer Value from Touch-screen	Touch Screen	534548		gallons
Influent Pressure to Column 2B	PI-2B-2	11		psi
Effluent Pressure from Column 2B	PI-2B-1	8		psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	<10	16:18	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	3.4	16:26	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0.9		mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			gpm
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			gpm

DAILY MONITORING LOG

Column 5

Test Sequence 2, cycle 5 **Date** 9/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	16:43	gpm
Totalizer Value from Touch-screen	Touch Screen	502939	16:32	gallons
Influent Pressure to Column 5	PI-3C-2	13	16:43	psi
Effluent Pressure from Column 5	PI-3C-1	4	16:43	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9	16:43	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	71	16:55	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	5.2	16:59	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2	17:11	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	.9	17:16	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/25/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	17:00	
Conductivity	Discharge	656		
GAC Influent	PI-01	2	17:00	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5189		KW-Hours
Electrical Usage Meter B	Electric Meter	1015		KW-Hours

60 40 40 40
0 0 0 0

DAILY MONITORING LOG

Column 2B

Test Sequence 2 **Cycle** 6 **Date** 9/25

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	15:50	gpm
Totalizer Value from Touch-screen	Touch Screen	54326	15:50	gallons
Influent Pressure to Column 2B	PI-2B-2	11	15:50	psi
Effluent Pressure from Column 2B	PI-2B-1	8	15:50	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3	15:50	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	52	15:55	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	10.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	2.1		mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

DAILY MONITORING LOG
Column 5

Test Sequence 2 **Date** 9/25

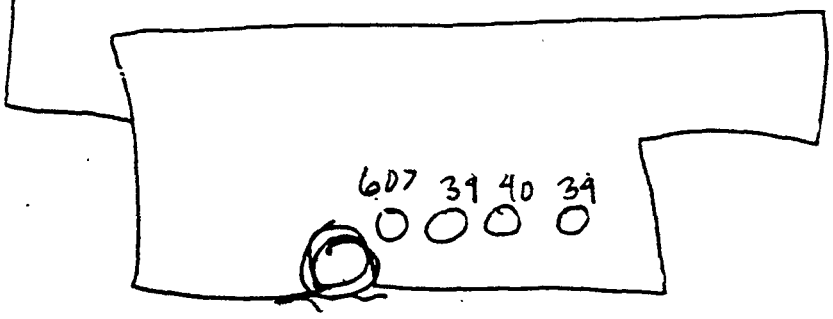
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	15:31	gpm
Totalizer Value from Touch-screen	Touch Screen	511305	15:31	gallons
Influent Pressure to Column 5	PI-3C-2	13	15:31	psi
Effluent Pressure from Column 5	PI-3C-1	5	15:31	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	8	15:31	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	67	15:35	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.7	15:39	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1	15:45	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1.3	15:49	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG

General Parameters

Date 9/26/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	20:29	
Conductivity	Discharge	634	20:29	
GAC Influent	PI-01	3	20:26	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	51		psi
Bag Filter Effluent	PI-05	40		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5197		KW-Hours
Electrical Usage Meter B	Electric Meter	1021		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 7 Date 9/26

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.0	20:24	gpm
Totalizer Value from Touch-screen	Touch Screen	551810	20:14	gallons
Influent Pressure to Column 2B	PI-2B-2	11	20:14	psi
Effluent Pressure from Column 2B	PI-2B-1	5	20:14	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	6	20:14	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	43	20:28	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	6.0	20:28	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1	20:4	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	3.1	20:4	mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

DAILY MONITORING LOG

Column 5

Test Sequence 2, 7 **Date** 9/26

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	20:06	gpm
Totalizer Value from Touch-screen	Touch Screen	52039	20:06	gallons
Influent Pressure to Column 5	PI-3C-2	18	20:06	psi
Effluent Pressure from Column 5	PI-3C-1	9	20:06	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9	20:06	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	45	20:06	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.1	20:09	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2	20:12	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	5.4	20:15	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/27

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	16:07	
Conductivity	Discharge	646	16:07	
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	44		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5203		KW-Hours
Electrical Usage Meter B	Electric Meter	1024		KW-Hours

607 40 40 40
0 0 0 0

DAILY MONITORING LOG

Column 2B

Test Sequence 7 Cycle 8 Date 9/27/06

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	16:09	gpm
Totalizer Value from Touch-screen	Touch Screen	557424	15:58	gallons
Influent Pressure to Column 2B	PI-2B-2	12	16:09	psi
Effluent Pressure from Column 2B	PI-2B-1	8	16:09	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	4	16:09	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	58	16:09	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	9.1	16:13	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0	16:18	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0.8	16:21	mg/l
~~Regeneration Flow Rate to Column 2B~~	FI-2B-1			gpm
~~Rinse Water Flow Rate to Column 2B~~	FI-2B-2			gpm

DAILY MONITORING LOG

Column 5

Test Sequence 2, 0 **Date** 9/27/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	15:46	gpm
Totalizer Value from Touch-screen	Touch Screen	525637	15:40	gallons
Influent Pressure to Column 5	PI-3C-2	15		psi
Effluent Pressure from Column 5	PI-3C-1	7		psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	8		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	62		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.4		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.4		mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG

Column 5

Test Sequence 2, 9 **Date** 9/28/00

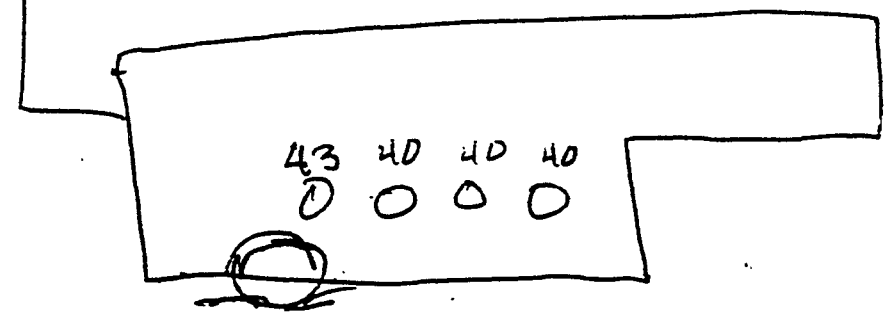
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	16:43	gpm
Totalizer Value from Touch-screen	Touch Screen	533059	16:33	gallons
Influent Pressure to Column 5	PI-3C-2	18	16:43	psi
Effluent Pressure from Column 5	PI-3C-1	6	16:43	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	12	16:43	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	54	16:49	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.2	16:45	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0	16:54	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	3.9	16:56	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG

General Parameters

Date 9/20/6

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1700	
Conductivity	Discharge	663		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5210		KW-Hours
Electrical Usage Meter B	Electric Meter	1030		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 9 Date 9/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	17:03	gpm
Totalizer Value from Touch-screen	Touch Screen	565029	16:52	gallons
Influent Pressure to Column 2B	PI-2B-2	12	16:52	psi
Effluent Pressure from Column 2B	PI-2B-1	9	16:52	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3	16:52	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	42	17:05	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	8.4	17:06	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1.0	17:16	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	5.9	17:18	mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

ATTACHMENT 2

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Thursday, September 21, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562

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SEP-25-2000 17:57 FROM:WECK LABS INC 6263362634 ID:362 9512066 P.002/005

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Report Date: *Thursday, September 21, 2000*
Received Date: *Friday, September 01, 2000*
Log By: tn
Log Time: 13:54

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/1/00 kk	WS17345
Prep. SPE								
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00 sl	WS17476
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/6/00 td	WS17446
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00 aw	WS17460
Prep. Direct Inj.								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00 dc	WS17634
Prep. EPA 3510C								
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/8/00 tl	WS17667
Prep. P&T								
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/5/00 tl	WS17703
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/7/00 rt	WS17562
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Thursday, September 21, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/7/00 rt	WS17562
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/7/00 rt	WS17562
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/7/00 rt	WS17562

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, September 27, 2000*
Received Date: *Tuesday, September 05, 2000*
Log By: mr
Log Time: 11:46

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: Client **Date:** 9/5/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. *P&T*								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: Client **Date:** 9/5/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/8/00 rt	WS17567
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/8/00 rt	WS17567
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/8/00 rt	WS17567
Nitrate as NO3	22		mg/L	1	0.20	EPA 300.0	9/5/00 kk	WS17500
Prep. *SPE*								
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00 sl	WS17476
Prep. *EPA 3510C*								
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/8/00 tl	WS17667
Prep. *P&T*								
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/5/00 tl	WS17703
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/6/00 td	WS17446

Lab#: A006233

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: Client **Date:** 9/5/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

Lab#: A006233

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Report Date: *Wednesday, September 27, 2000*
Received Date: *Wednesday, September 06, 2000*
Log By: tn
Log Time: 12:25

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443

Phone: (562) 951-2129
FAX: (562) 951-2086

Attn.: Barry Molnaa

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/6/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/6/00	kk	WS17505
Prop. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00	sl	WS17476
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prop. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17835
Prop. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prop. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631

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SEP-28-2000 15:18 FROM:WECK LABS INC

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17631
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17631
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17631
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17631
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Total 1,3-Dichloropropene								

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SEP-28-2000 15:16 FROM:WECK LABS INC 6263362634

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17631

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:
B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect. LCS recovery greater than the upper control limit.
L = Result is suspect. LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

Lab#: *A006292*

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SEP-28-2000 15:16 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.003/018

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Monday, October 02, 2000*
Received Date: *Thursday, September 07, 2000*
Log By: tn
Log Time: 11:13

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/7/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/7/00	kk	WS17581
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17635
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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OCT-02-2000 14:02 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.001/008

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/7/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661

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OCT-02-2000 14:02 FROM:WECK LABS INC 6263362634 ID:562 951 2086 P.006/006

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Friday, September 29, 2000*
Received Date: *Friday, September 08, 2000*
Log By: tn
Log Time: 11:59

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA, BA **Date:** 9/8/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	30		mg/L	1	0.20	EPA 300.0	9/8/00	kk	WS17669
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/11/00	aw	WS17573
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17835
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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SEP-29-2000 15:28 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.001/009

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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SEP-29-2000 15:29 FROM:WECK LABS INC

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA, BA **Date:** 9/8/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Monday, October 02, 2000*
Received Date: *Monday, September 11, 2000*
Log By: tn
Log Time: 15:29

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA,TP Date: 9/11/00 Time: 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/14/00	aw	WS17709
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/18/00	td	WS17762
Prep. Direct Inj.									
Chloride	44		mg/L	10	2.0	EPA 300.0	9/11/00	kk	WS17690
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/11/00	kk	WS17690
Sulfate	16		mg/L	1	0.50	EPA 300.0	9/11/00	kk	WS17690
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/20/00	tl/w	WS18027
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/15/00	tl/w	WS18019
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/15/00	rt	WS17779
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/15/00	rt	WS17779
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/15/00	rt	WS17779
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00	rt	WS17779
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/15/00	rt	WS17779
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA,TP **Date:** 9/11/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA,TP **Date:** 9/11/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/15/00 rt	WS17779

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, October 11, 2000*
Received Date: *Thursday, September 21, 2000*
Log By: mr
Log Time: 12:06

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 9/21/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Prop. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/30/00	rt	WS18203
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Wednesday, October 11, 2000*

Client: Earth Tech, Inc.
Project Name: LMC POP

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/30/00	rt	WS18203
Nitrate as NO3	18		mg/L	1	0.20	EPA 300.0	9/22/00	kk	WS18036
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/22/00	sl	WS17914
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	1.1	EPA 8015B	9/29/00	TL	WS18448
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/	WS18414
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/22/00	TD	WS17926
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/26/00	aw	WS18071

Lab#: *A006687*

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Weck Laboratories, Inc.
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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. *Direct Inj.*								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/21/00 dc	WS17902

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Monday, September 11, 2000*
Received Date: *Wednesday, August 23, 2000*
Log By: *tn*
Log Time: 17:27

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	37		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17101
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	sl	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403

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SEP-12-2000 12:44 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.005/022

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403

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SEP-12-2000 12:45 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.006/022

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/3/00 rt	WS17403

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
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Report Date: *Monday, September 11, 2000*
Received Date: *Thursday, August 24, 2000*
Log By: tn
Log Time: 11:57

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443

Phone: (562) 951-2129
FAX: (562) 951-2086

Attn.: Barry Molnaa

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006000-001
Sampled By: TP
Sample ID: Discharge
Date: 8/24/00 Time: 8:00
Matrix: Ground Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	34		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17105
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	sl	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. *P&T*									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroform	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	8/30/00 rt	WS17346
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00 rt	WS17346
Toluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Styrene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromoform	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	8/30/00 rt	WS17346
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	8/30/00 rt	WS17346
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	8/30/00 rt	WS17346

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Friday, October 13, 2000*
Received Date: *Wednesday, September 27, 2000*
Log By: tn
Log Time: 12:17

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/27/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	9.3		mg/L	1	0.20	EPA 300.0	9/28/00	kk	WS18157
Prep. Method: SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	10/3/00	sl	WS18313
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/28/00	hn	WS18161
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/29/00	aw	WS18296
Prep. Method: Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/28/00	dc	WS18132
Prep. Method: EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	10/4/00	TL/W	WS18393
Prep. Method: P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/W	WS18414
Prep. Method: P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroform	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332

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Weck Laboratories, Inc.
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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/27/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
Toluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Styrene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromoform	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/27/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	10/1/00 rt	WS18332

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:
B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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DAILY MONITORING LOG

Column 3A

Test Sequence 2 Cycle 3 Date 9-1-00

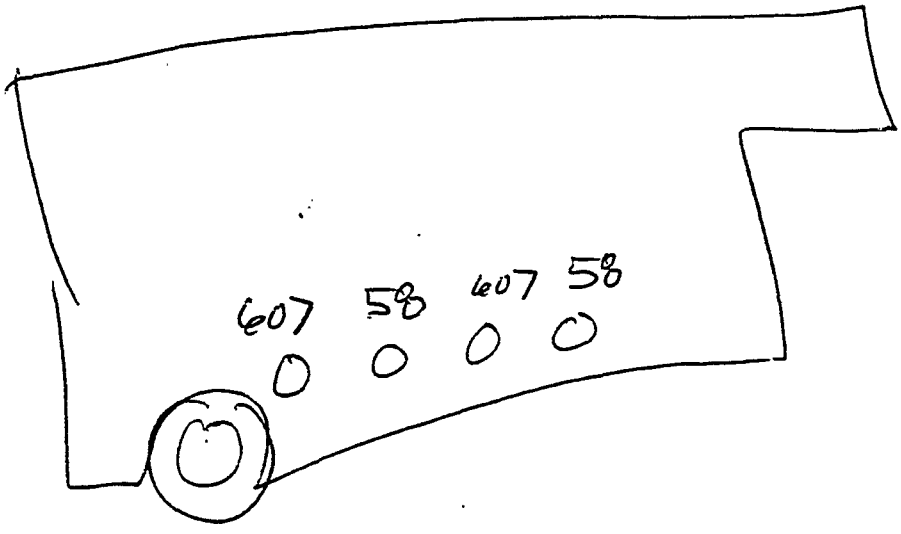
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	13:40	gpm
Totalizer Value from Touch-screen	Touch Screen	80369	14:10	gallons
Influent Pressure to Column 3A	PI-3A-2	30	13:40	psi
Effluent Pressure from Column 3A	PI-3B-1	2	13:40	psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	28	13:40	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	23	13:57	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	3.9	13:57	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	42	14:18	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	5.2	14:21	mg/l
~~Regeneration Flow Rate to Column 3A~~	~~FI-3A-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 3A~~	~~FI-3A-2~~			~~gpm~~

DAILY MONITORING LOG

General Parameters

Date 9.1.00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	14:22	
Conductivity	Discharge	574	14:16	
GAC Influent	PI-01	2	14:24	psi
GAC Midpoint	PI-02	0	14:24	psi
GAC Effluent	PI-03	0	14:24	psi
Bag Filter Influent	PI-04	57	14:24	psi
Bag Filter Effluent	PI-05	56	14:24	psi
Influent Manifold Pressure	PI-06		14:24	psi
Electrical Usage Meter A	Electric Meter	5070	14:24	KW-Hours
Electrical Usage Meter B	Electric Meter	918	14:24	KW-Hours



DAILY MONITORING LOG
General Parameters

Date 9/5/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2		
Conductivity	Discharge	584		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5097		KW-Hours
Electrical Usage Meter B	Electric Meter	931		KW-Hours

>60 55 >60 59

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9/5/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1530	gpm
Totalizer Value from Touch-screen	Touch Screen	176097		gallons
Influent Pressure to Column 3A	PI-3A-2	38		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	37		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	35		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	6.7		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	25		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	9.0		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9/6/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1030	gpm
Totalizer Value from Touch-screen	Touch Screen	178250		gallons
Influent Pressure to Column 3A	PI-3A-2	37		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	36		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	28		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	8.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	37		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.6		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—		gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—		gpm

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9-7-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	16:18	gpm
Totalizer Value from Touch-screen	Touch Screen	97096		gallons
Influent Pressure to Column 3A	PI-3A-2	28		psi
Effluent Pressure from Column 3A	PI-3B-1	3		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	25		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	29		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	12.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	39		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.2		mg/l
~~Regeneration Flow Rate to Column 3A~~	~~FI-3A-1~~			gpm
~~Rinse Water Flow Rate to Column 3A~~	~~FI-3A-2~~			gpm

DAILY MONITORING LOG
General Parameters

Date 9/7/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	0845	
Conductivity	Discharge	582		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5108		KW-Hours
Electrical Usage Meter B	Electric Meter	937		KW-Hours

>60 55 >60 54

DAILY MONITORING LOG

General Parameters

Date 9-8-00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1600	
Conductivity	Discharge	590	1690	
GAC Influent	PI-01	3	15:11	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5117		KW-Hours
Electrical Usage Meter B	Electric Meter	944		KW-Hours

(psi)

607 55 607 55

0 0 0 0

0

DAILY MONITORING LOG

Column 3A

Test Sequence TS2-AD3 **Cycle** 66K BV **Date** 9-8-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1600	gpm
Totalizer Value from Touch-screen	Touch Screen	99255	1555 ~~1155~~	gallons
Influent Pressure to Column 3A.	PI-3A-2	54	"	psi
Effluent Pressure from Column 3A	PI-3B-1	50	"	psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	4	"	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	39	"	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	11.7	"	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	39	"	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	11.6	"	mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	N/A	N/A	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	N/A	N/A	gpm

DAILY MONITORING LOG

General Parameters

Date 9-11-00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1640	
Conductivity	Discharge	605		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	55		psi
Bag Filter Effluent	PI-05	54		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5137		KW-Hours
Electrical Usage Meter B	Electric Meter	956		KW-Hours

60+ 54 60+ 52

DAILY MONITORING LOG

Column 3A

Test Sequence TS2-AD3 **Cycle** 72K **Date** 9-11-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1630	gpm
Totalizer Value from Touch-screen	Touch Screen	190430		gallons
Influent Pressure to Column 3A	PI-3A-2	30		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	29		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	47		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	10.1		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	41		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	8.0		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

General Parameters

Date 9/12

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1035	
Conductivity	Discharge	612		
GAC Influent	PI-01	2		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	55		psi
Bag Filter Effluent	PI-05	53		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5142		KW-Hours
Electrical Usage Meter B	Electric Meter	959		KW-Hours

~~60~~ + 53 60 53

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Cycle**_____ **Date** 9/12

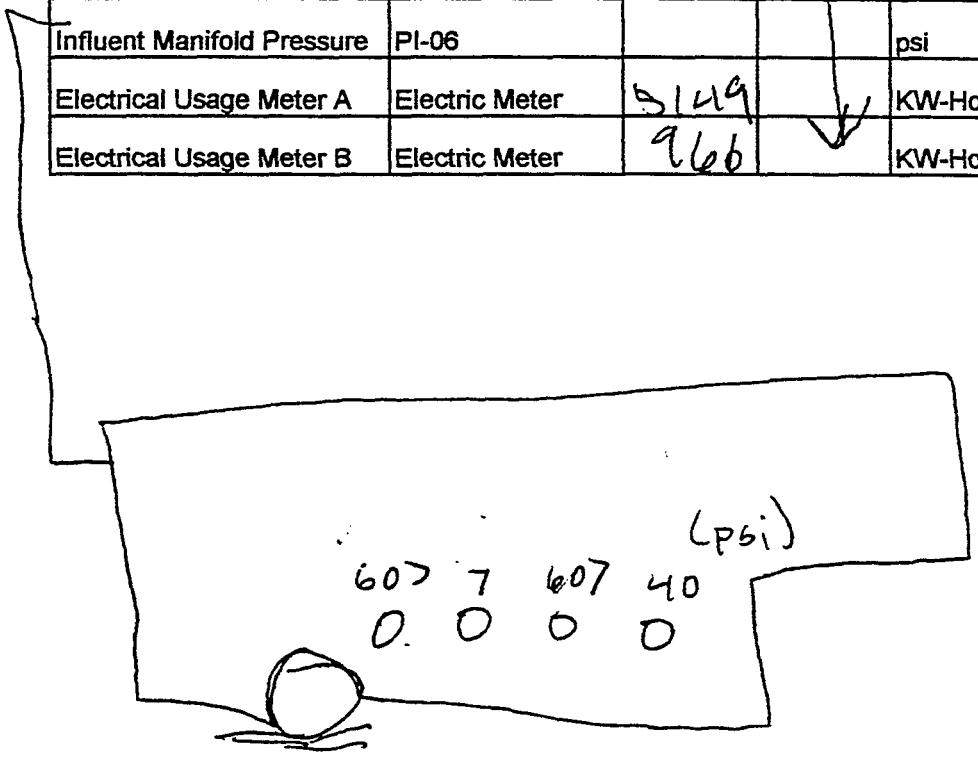
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1040	gpm
Totalizer Value from Touch-screen	Touch Screen	192285		gallons
Influent Pressure to Column 3A	PI-3A-2	30		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	29		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	33		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	9.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	44		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.7		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—		gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—		gpm

DAILY MONITORING LOG

General Parameters

Date 9/13/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	15:57	
Conductivity	Discharge	591	16:57	
GAC Influent	PI-01	2	15:46	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	0		psi
Bag Filter Effluent	PI-05	0		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	3149		KW-Hours
Electrical Usage Meter B	Electric Meter	966		KW-Hours



DAILY MONITORING LOG
General Parameters

Date 9/14

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	7.8	17:19	
Conductivity	Discharge	1205	17:16	
GAC Influent	PI-01	3	17:10	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	0		psi
Bag Filter Effluent	PI-05	0		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5157		KW-Hours
Electrical Usage Meter B	Electric Meter	973		KW-Hours

607 7 607 30 psi
0 0 0 0

Column 2B
Test Sequence 2, Cycle 1

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 1	1 BV = 10.2 Gallons	2B-TS2AD1-1	9/13	17:00	X	X	X
Adsorb Cycle 1	2 BV = 20.4 Gallons	2B-TS2AD1-2		17:03	X	X	X
Adsorb Cycle 1	3 BV = 30.6 Gallons	2B-TS2AD1-3		17:05	X	X	X
Adsorb Cycle 1	4 BV = 40.8 Gallons	2B-TS2AD1-4		17:07	X	X	X
Adsorb Cycle 1	5 BV = 51 Gallons	2B-TS2AD1-5		1709	X	X	X
Adsorb Cycle 1	10 BV = 103 Gallons	2B-TS2AD1-10		1719	X	X	X
Adsorb Cycle 1	50 BV = 510 Gallons	2B-TS2AD1-50		1825	X	X	X
Adsorb Cycle 1	100 BV = 1020 Gallons	2B-TS2AD1-100		2000	X	X	X
Adsorb Cycle 1	150 BV = 1530 Gallons	2B-TS2AD1-150		2130	X	X	X
Adsorb Cycle 1	200 BV = 2040 Gallons	2B-TS2AD1-200		2308	X	X	X
Adsorb Cycle 1	300 BV = 3060 Gallons	2B-TS2AD1-300	9-14	0210	X	X	X
Adsorb Cycle 1	400 BV = 4080 Gallons	2B-TS2AD1-400		0515	X	X	X
Adsorb Cycle 1	500 BV = 5100 gallons	2B-TS2AD1-500		0825	X	X	X
Adsorb Cycle 1	600 BV = 6120 Gallons	2B-TS2AD1-600		11:30	X	X	X
Adsorb Cycle 1	700 BV = 7140 Gallons	2B-TS2AD1-700			X	X	X
Brine, Cycle 1	25 Gallons @ 1 gpm	2B-TS2-BR1-COMP	9/18	1010	X	X	X
Rinse Water, Cycle 1	Composite during rinse	2B-TS2-RW1-COMP	9/18	13:15	X	X	X

Column 5
Test Sequence 2, Cycle 1

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 1	~~1 BV = 10.2 Gallons~~	5-TS2AD1-1	9/13	1645	X	X	X
Adsorb Cycle 1	~~2 BV = 20.4 Gallons~~	5-TS2AD1-2		1647	X	X	X
Adsorb Cycle 1	~~3 BV = 30.6 Gallons~~	5-TS2AD1-3		16:50	X	X	X
Adsorb Cycle 1	~~4 BV = 40.8 Gallons~~	5-TS2AD1-4		16:53	X	X	X
Adsorb Cycle 1	~~5 BV = 51 Gallons~~	5-TS2AD1-5		16:56	X	X	X
Adsorb Cycle 1	~~10 BV = 103 Gallons~~	5-TS2AD1-10		17:06	X	X	X
Adsorb Cycle 1	50 BV = 510 Gallons	5-TS2AD1-50		18:14	X	X	X
Adsorb Cycle 1	100 BV = 1020 Gallons	5-TS2AD1-100		19:45	X	X	X
Adsorb Cycle 1	150 BV = 1530 Gallons	5-TS2AD1-150		21:14	X	X	X
Adsorb Cycle 1	200 BV = 2040 Gallons	5-TS2AD1-200		22:50	X	X	X
Adsorb Cycle 1	300 BV = 3060 Gallons	5-TS2AD1-300	9/14	0200	X	X	X
Adsorb Cycle 1	400 BV = 4080 Gallons	5-TS2AD1-400		0459	X	X	X
Adsorb Cycle 1	500 BV = 5100 gallons	5-TS2AD1-500		0805	X	X	X
Adsorb Cycle 1	600 BV = 6120 Gallons	5-TS2AD1-600		1117	X	X	X
Adsorb Cycle 1	700 BV = 7140 Gallons	5-TS2AD1-700			X	X	X
Brine, Cycle 1	25 Gallons @ 1 gpm	5-TS2-BR1-COMP	9/18	1010	X	X	X
Rinse Water, Cycle 1	Composite during rinse	5-TS2-RW1-COMP	9/18	13:15	X	X	X

Column 2B

Test Sequence 2, Cycle 2

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 2	Influent Sample	2B-TS2AD2-0	9-18-00	14:53	X	X	X
Adsorb Cycle 2	1 BV = 10.2 Gallons	2B-TS2AD2-1		14:56	X	X	X
Adsorb Cycle 2	2 BV = 20.4 Gallons	2B-TS2AD2-2		15:00	X	X	X
Adsorb Cycle 2	3 BV = 30.6 Gallons	2B-TS2AD2-3		15:03	X	X	X
Adsorb Cycle 2	4 BV = 40.8 Gallons	2B-TS2AD2-4		15:06	X	X	X
Adsorb Cycle 2	5 BV = 51 Gallons	2B-TS2AD2-5		15:10	X	X	X
Adsorb Cycle 2	10 BV = 103 Gallons	2B-TS2AD2-10		1521	X	X	X
Adsorb Cycle 2	50 BV = 510 Gallons	2B-TS2AD2-50		16:39	X	X	X
Adsorb Cycle 2	100 BV = 1020 Gallons	2B-TS2AD2-100		17:58	X	X	X
Adsorb Cycle 2	150 BV = 1530 Gallons	2B-TS2AD2-150		19:42	X	X	X
Adsorb Cycle 2	200 BV = 2040 Gallons	2B-TS2AD2-200		2100	X	X	X
Adsorb Cycle 2	300 BV = 3060 Gallons	2B-TS2AD2-300	9-19-00	00:10	X	X	X
Adsorb Cycle 2	400 BV = 4080 Gallons	2B-TS2AD2-400		0312	X	X	X
Adsorb Cycle 2	500 BV = 5100 gallons	2B-TS2AD2-500		0605	X	X	X
Adsorb Cycle 2	550 BV = 5610 gallons	2B-TS2AD2-550		0730	X	X	X
Adsorb Cycle 2	600 BV = 6120 Gallons	2B-TS2AD2-600		0900	X	X	X
Adsorb Cycle 2	650 BV = 6630 gallons	2B-TS2AD2-650		1045	X	X	X
Adsorb Cycle 2	700 BV = 7140 Gallons	2B-TS2AD2-700		1215	X	X	X
Brine, Cycle 2	25 Gallons @ 1 gpm	2B-TS2-BR2-COMP		1330	X	X	X
Rinse Water, Cycle 2	Composite during rinse	2B-TS2-RW2-COMP		1340	X	X	X

Column 5

Test Sequence 2, Cycle 2

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 2	Influent Sample	5-TS2AD2-0	9-18-00	14:35	X	X	X
Adsorb Cycle 2	1 BV = 10.2 Gallons	5-TS2AD2-1		14:38	X	X	X
Adsorb Cycle 2	2 BV = 20.4 Gallons	5-TS2AD2-2		14:42	X	X	X
Adsorb Cycle 2	3 BV = 30.6 Gallons	5-TS2AD2-3		14:44	X	X	X
Adsorb Cycle 2	4 BV = 40.8 Gallons	5-TS2AD2-4		14:47	X	X	X
Adsorb Cycle 2	5 BV = 51 Gallons	5-TS2AD2-5		14:50	X	X	X
Adsorb Cycle 2	10 BV = 103 Gallons	5-TS2AD2-10		15:01	X	X	X
Adsorb Cycle 2	50 BV = 510 Gallons	5-TS2AD2-50		16:20	X	X	X
Adsorb Cycle 2	100 BV = 1020 Gallons	5-TS2AD2-100		17:35	X	X	X
Adsorb Cycle 2	150 BV = 1530 Gallons	5-TS2AD2-150		19:36	X	X	X
Adsorb Cycle 2	200 BV = 2040 Gallons	5-TS2AD2-200		2055	X	X	X
Adsorb Cycle 2	300 BV = 3060 Gallons	5-TS2AD2-300		2350	X	X	X
Adsorb Cycle 2	400 BV = 4080 Gallons	5-TS2AD2-400	9-19-00	0255	X	X	X
Adsorb Cycle 2	500 BV = 5100 gallons	5-TS2AD2-500		0550	X	X	X
Adsorb Cycle 2	550 BV = 5610 gallons	5-TS2AD2-550		0718	X	X	X
Adsorb Cycle 2	600 BV = 6120 Gallons	5-TS2AD2-600		0850	X	X	X
Adsorb Cycle 2	650 BV = 6630 gallons	5-TS2AD2-650		1025	X	X	X
Adsorb Cycle 2	700 BV = 7140 Gallons	5-TS2AD2-700		1215	X	X	X
Brine, Cycle 2	25 Gallons @ 1 gpm	5-TS2-BR2-COMP		14:00	X	X	X
Rinse Water, Cycle 2	Composite during rinse	5-TS2-RW2-COMP		14:04	X	X	X

Column 2B

Test Sequence 2, Cycle 3

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 3	Influent Sample	2B-TS2AD~~3-0~~	9-19-00	15:14	X	X	X
Adsorb Cycle 3	1 BV = 10.2 Gallons	2B-TS2AD~~3-1~~		15:16	X	X	X
Adsorb Cycle 3	2 BV = 20.4 Gallons	2B-TS2AD~~3-2~~		1518	X	X	X
Adsorb Cycle 3	3 BV = 30.6 Gallons	2B-TS2AD~~3-3~~		15:20	X	X	X
Adsorb Cycle 3	4 BV = 40.8 Gallons	2B-TS2AD~~3-4~~		1522	X	X	X
Adsorb Cycle 3	5 BV = 51 Gallons	2B-TS2AD3-5		1524	X	X	X
Adsorb Cycle 3	10 BV = 103 Gallons	2B-TS2AD3-10		15:30	X	X	X
Adsorb Cycle 3	50 BV = 510 Gallons	2B-TS2AD3-50		16:57	X	X	X
Adsorb Cycle 3	100 BV = 1020 Gallons	2B-TS2AD3-100		18:15	X	X	X
Adsorb Cycle 3	150 BV = 1530 Gallons	2B-TS2AD3-150		1942	X	X	X
Adsorb Cycle 3	200 BV = 2040 Gallons	2B-TS2AD3-200		2125	X	X	X
Adsorb Cycle 3	300 BV = 3060 Gallons	2B-TS2AD3-300	9-20	0035	X	X	X
Adsorb Cycle 3	400 BV = 4080 Gallons	2B-TS2AD3-400		0335	X	X	X
Adsorb Cycle 3	500 BV = 5100 gallons	2B-TS2AD3-500		0638	X	X	X
Adsorb Cycle 3	550 BV = 5610 gallons	2B-TS2AD3-550		8:23	X	X	X
Adsorb Cycle 3	600 BV = 6120 Gallons	2B-TS2AD3-600		9:39	X	X	X
Adsorb Cycle 3	650 BV = 6630 gallons	2B-TS2AD3-650			X	X	X
Adsorb Cycle 3	700 BV = 7140 Gallons	2B-TS2AD-700		12:34	X	X	X
Brine, Cycle 3	25 Gallons @ 1 gpm	2B-TS2-BR3-COMP		13:51	X	X	X
Rinse Water, Cycle 3	Composite during rinse	2B-TS2-RW3-COMP		1530	X	X	X

Column 5
Test Sequence 2, Cycle 3

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 3	Influent Sample	5-TS2AD3-0	9-19-00	14:58	X	X	X
Adsorb Cycle 3	1 BV = 10.2 Gallons	5-TS2AD3-1		15:01	X	X	X
Adsorb Cycle 3	2 BV = 20.4 Gallons	5-TS2AD3-2		15:04	X	X	X
Adsorb Cycle 3	3 BV = 30.6 Gallons	5-TS2AD3-3		15:06	X	X	X
Adsorb Cycle 3	4 BV = 40.8 Gallons	5-TS2AD3-4		15:09	X	X	X
Adsorb Cycle 3	5 BV = 51 Gallons	5-TS2AD3-5		15:11	X	X	X
Adsorb Cycle 3	10 BV = 103 Gallons	5-TS2AD3-10		15:20	X	X	X
Adsorb Cycle 3	50 BV = 510 Gallons	5-TS2AD3-50		16:34	X	X	X
Adsorb Cycle 3	100 BV = 1020 Gallons	5-TS2AD3-100		18:07	X	X	X
Adsorb Cycle 3	150 BV = 1530 Gallons	5-TS2AD3-150		19:20	X	X	X
Adsorb Cycle 3	200 BV = 2040 Gallons	5-TS2AD3-200		2100	X	X	X
Adsorb Cycle 3	300 BV = 3060 Gallons	5-TS2AD3-300	9-20	00:18	X	X	X
Adsorb Cycle 3	400 BV = 4080 Gallons	5-TS2AD3-400		0320	X	X	X
Adsorb Cycle 3	500 BV = 5100 gallons	5-TS2AD3-500		0626	X	X	X
Adsorb Cycle 3	550 BV = 5610 gallons	5-TS2AD3-550		08:00	X	X	X
Adsorb Cycle 3	600 BV = 6120 Gallons	5-TS2AD3-600		09:31	X	X	X
Adsorb Cycle 3	650 BV = 6630 gallons	5-TS2AD3-650		10:56	X	X	X
Adsorb Cycle 3	700 BV = 7140 Gallons	5-TS2AD-700		12:34	X	X	X
Brine, Cycle 3	25 Gallons @ 1 gpm	5-TS2-BR3-COMP		13:49	X	X	X
Rinse Water, Cycle 3	Composite during rinse	5-TS2-RW3-COMP		1530	X	X	X

DAILY MONITORING LOG
General Parameters

Date 9/20

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1720	
Conductivity	Discharge	875		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5173		KW-Hours
Electrical Usage Meter B	Electric Meter	998		KW-Hours

60 + 40 40 40

DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 4 Date 9/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	1715	gpm
Totalizer Value from Touch-screen	Touch Screen	527168		gallons
Influent Pressure to Column 2B	PI-2B-2	12		psi
Effluent Pressure from Column 2B	PI-2B-1	7		psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	5		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	77		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	6.5		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1.0		mg/l
Regeneration Flow Rate to Column 2B	FI-2B-1	—	—	gpm
Rinse Water Flow Rate to Column 2B	FI-2B-2	—	—	gpm

DAILY MONITORING LOG

Column 5

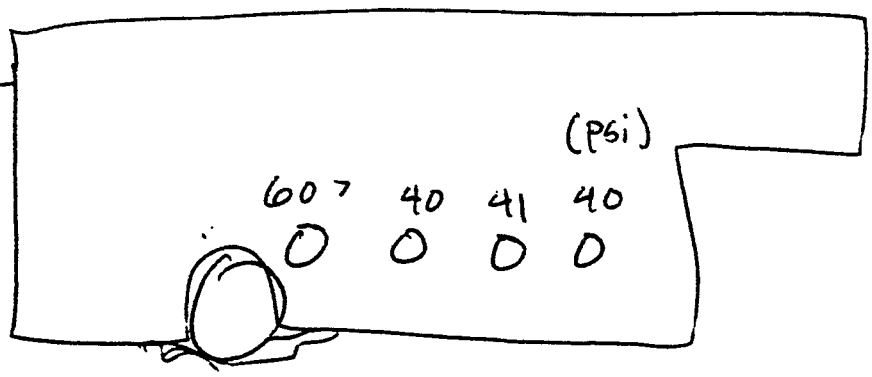
Test Sequence 2 Cycle 4 **Date** 9/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	1747	gpm
Totalizer Value from Touch-screen	Touch Screen	495972		gallons
Influent Pressure to Column 5	PI-3C-2	15		psi
Effluent Pressure from Column 5	PI-3C-1	6		psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	75		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	6.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.6		mg/l
Regeneration Flow Rate to Column 4	FI-3C-1	—		gpm
Rinse Water Flow Rate to Column 4	FI-3C-2	—		gpm

DAILY MONITORING LOG
General Parameters

Date 9/21

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	7.9	6:42	
Conductivity	Discharge	794	6:42	
GAC Influent	PI-01	3	6:37	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5179		KW-Hours
Electrical Usage Meter B	Electric Meter	1002		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 5 Date 9/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8		gpm
Totalizer Value from Touch-screen	Touch Screen	53548		gallons
Influent Pressure to Column 2B	PI-2B-2	11		psi
Effluent Pressure from Column 2B	PI-2B-1	8		psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	<10	16:18	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	3.4	16:26	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0.9		mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			gpm
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			gpm

DAILY MONITORING LOG

Column 5

Test Sequence 2, cycle 5 **Date** 9/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	16:43	gpm
Totalizer Value from Touch-screen	Touch Screen	502839	16:32	gallons
Influent Pressure to Column 5	PI-3C-2	13	16:43	psi
Effluent Pressure from Column 5	PI-3C-1	4	16:43	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9	16:43	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	71	16:55	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	5.2	16:59	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2	17:11	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	.9	17:16	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/25/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	17:00	
Conductivity	Discharge	656		
GAC Influent	PI-01	2	17:00	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5189		KW-Hours
Electrical Usage Meter B	Electric Meter	1015		KW-Hours

60 > 40 40 40

0 0 0 0

DAILY MONITORING LOG

Column 2B

Test Sequence 2 **Cycle** 6 **Date** 9/25

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	15:50	gpm
Totalizer Value from Touch-screen	Touch Screen	54326	15:50	gallons
Influent Pressure to Column 2B	PI-2B-2	11	15:50	psi
Effluent Pressure from Column 2B	PI-2B-1	8	15:50	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3	15:50	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	52	15:55	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	10.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	2.1		mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

DAILY MONITORING LOG
Column 5

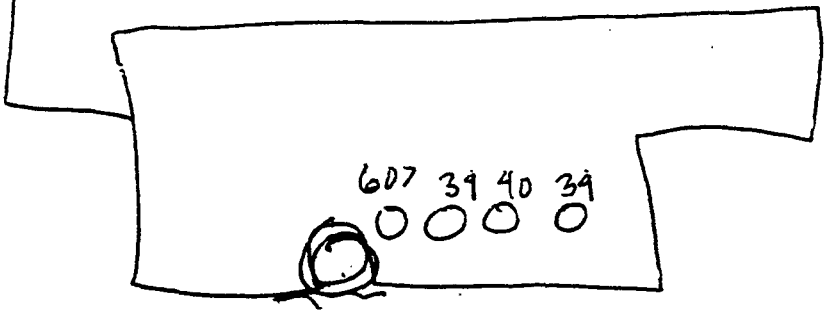
Test Sequence 2 **Date** 9/25

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	15:31	gpm
Totalizer Value from Touch-screen	Touch Screen	511305	15:31	gallons
Influent Pressure to Column 5	PI-3C-2	13	15:31	psi
Effluent Pressure from Column 5	PI-3C-1	5	15:31	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	8	15:31	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	67	15:35	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.7	15:39	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1	15:45	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1.3	15:49	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			gpm
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/26/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	20:29	
Conductivity	Discharge	634	20:29	
GAC Influent	PI-01	3	20:26	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	51		psi
Bag Filter Effluent	PI-05	40		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5197		KW-Hours
Electrical Usage Meter B	Electric Meter	1021		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 7 Date 9/26

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.0	20:24	gpm
Totalizer Value from Touch-screen	Touch Screen	551810	20:14	gallons
Influent Pressure to Column 2B	PI-2B-2	11	20:14	psi
Effluent Pressure from Column 2B	PI-2B-1	5	20:14	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	6	20:14	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	43	20:28	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	6.0	20:28	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1	20:4	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	3.1	20:4	mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

DAILY MONITORING LOG

Column 5

Test Sequence 2, 7 **Date** 9/26

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	20:06	gpm
Totalizer Value from Touch-screen	Touch Screen	52039	20:06	gallons
Influent Pressure to Column 5	PI-3C-2	18	20:06	psi
Effluent Pressure from Column 5	PI-3C-1	9	20:06	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9	20:06	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	45	20:06	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.1	20:09	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2	20:12	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	5.4	20:15	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG

General Parameters

Date 9/27

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	16:07	
Conductivity	Discharge	646	16:07	
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	44		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5203		KW-Hours
Electrical Usage Meter B	Electric Meter	1024		KW-Hours

607 40 40 40

0 0 0 0

DAILY MONITORING LOG

Column 2B

Test Sequence 7 Cycle 8 Date 9/27/06

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	16:09	gpm
Totalizer Value from Touch-screen	Touch Screen	557424	15:58	gallons
Influent Pressure to Column 2B	PI-2B-2	12	16:09	psi
Effluent Pressure from Column 2B	PI-2B-1	8	16:09	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	4	16:09	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	58	16:09	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	9.1	16:13	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0	16:16	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0.8	16:21	mg/l
~~Regeneration Flow Rate to Column 2B~~	FI-2B-1			gpm
~~Rinse Water Flow Rate to Column 2B~~	FI-2B-2			~~gpm~~

DAILY MONITORING LOG

Column 5

Test Sequence 2, 8 **Date** 9/27/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	15:46	gpm
Totalizer Value from Touch-screen	Touch Screen	525637	15:40	gallons
Influent Pressure to Column 5	PI-3C-2	15		psi
Effluent Pressure from Column 5	PI-3C-1	7		psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	8		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	62		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.4		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.4		mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
Column 5

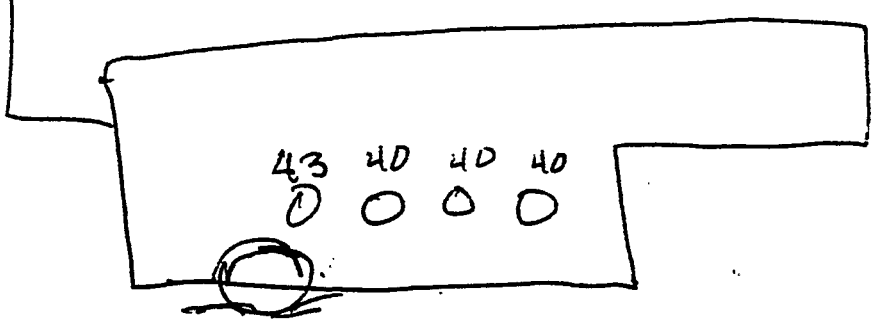
Test Sequence 2, 9 **Date** 9/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	16:43	gpm
Totalizer Value from Touch-screen	Touch Screen	533059	16:33	gallons
Influent Pressure to Column 5	PI-3C-2	18	16:43	psi
Effluent Pressure from Column 5	PI-3C-1	6	16:43	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	12	16:43	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	54	16:44	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.2	16:45	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0	16:54	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	3.9	16:56	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/20/06

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1718	
Conductivity	Discharge	6663		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5210		KW-Hours
Electrical Usage Meter B	Electric Meter	1030		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 9 Date 9/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	17:03	gpm
Totalizer Value from Touch-screen	Touch Screen	565029	16:52	gallons
Influent Pressure to Column 2B	PI-2B-2	12	16:52	psi
Effluent Pressure from Column 2B	PI-2B-1	9	16:52	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3	16:52	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	42	17:05	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	8.4	17:06	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1.0	17:16	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	5.9	17:08	mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Thursday, September 21, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/7/00 rt	WS17562
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/7/00 rt	WS17562
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00 rt	WS17562

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
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SEP-25-2000 17:57 FROM:WECK LABS INC 6263362634

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Thursday, September 21, 2000*
Received Date: *Friday, September 01, 2000*
Log By: tn
Log Time: 13:54

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2088

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/1/00	kk	WS17345
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00	sl	WS17476
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/6/00	td	WS17446
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17667
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/5/00	tl	WS17703
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/7/00	rt	WS17562
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/7/00	rt	WS17562
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/7/00	rt	WS17562
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/7/00	rt	WS17562
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/7/00	rt	WS17562
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/7/00	rt	WS17562

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www.wecklabs.com

SEP-25-2000 17:57 FROM:WECK LABS INC 6263362634

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Thursday, September 21, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006199-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/1/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/7/00 rt	WS17562
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/7/00 rt	WS17562
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/7/00 rt	WS17562

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0528

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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www.wecklabs.com

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Wednesday, September 27, 2000*
Received Date: *Tuesday, September 05, 2000*
Log By: mr
Log Time: 11:46

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/5/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: Client Date: 9/5/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/8/00 rt	WS17567
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/8/00 rt	WS17567
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/8/00 rt	WS17567
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/8/00 rt	WS17567
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/8/00 rt	WS17567
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/8/00 rt	WS17567
Nitrate as NO3	22		mg/L	1	0.20	EPA 300.0	9/5/00 kk	WS17500
Prep. SPE								
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00 sl	WS17476
Prep. EPA 3510C								
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/8/00 tl	WS17667
Prep. P&T								
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/5/00 tl	WS17703
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/6/00 td	WS17446

Lab#: A006233

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006233-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: Client **Date:** 9/5/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0528

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, September 27, 2000*
Received Date: *Wednesday, September 06, 2000*
Log By: tn
Log Time: 12:25

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/6/00	kk	WS17505
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/7/00	sl	WS17476
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17835
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17631
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17631

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17631
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17631
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17631
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17631
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17631

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SEP-28-2000 15:16 FROM:WECK LABS INC

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17631

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

Lab#: A006292

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
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SEP-28-2000 15:16 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.005/018

Weck Laboratories, Inc.
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Report Date: *Monday, October 02, 2000*
Received Date: *Thursday, September 07, 2000*
Log By: tn
Log Time: 11:13

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/7/00	kk	WS17581
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17635
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: Monday, October 02, 2000

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: Monday, October 02, 2000

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Friday, September 29, 2000*
Received Date: *Friday, September 08, 2000*
Log By: tn
Log Time: 11:59

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	30		mg/L	1	0.20	EPA 300.0	9/8/00	kk	WS17669
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/11/00	aw	WS17573
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17835
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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SEP-29-2000 15:28 FROM:WECK LABS INC

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
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Report Date: *Monday, October 02, 2000*
Received Date: *Monday, September 11, 2000*
Log By: tn
Log Time: 15:29

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Moinaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA,TP **Date:** 9/11/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/14/00	aw	WS17709
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/18/00	td	WS17762
Prep. Direct Inj.									
Chloride	44		mg/L	10	2.0	EPA 300.0	9/11/00	kk	WS17690
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/11/00	kk	WS17690
Sulfate	18		mg/L	1	0.50	EPA 300.0	9/11/00	kk	WS17690
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/20/00	tl/w	WS18027
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/15/00	tl/w	WS18019
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/15/00	rt	WS17779
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/15/00	rt	WS17779
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/15/00	rt	WS17779
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00	rt	WS17779
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/15/00	rt	WS17779
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/15/00	rt	WS17779

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA,TP Date: 9/11/00 Time: 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA,TP Date: 9/11/00 Time: 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/15/00 rt	WS17779

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, October 11, 2000*
Received Date: *Thursday, September 21, 2000*
Log By: *mr*
Log Time: 12:06

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/30/00 rt	WS18203
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/30/00 rt	WS18203
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/30/00 rt	WS18203
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00 rt	WS18203
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/30/00 rt	WS18203
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/30/00 rt	WS18203
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00 rt	WS18203
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203

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OCT-11-2000 16:05 FROM:WECK LABS INC

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/30/00	rt	WS18203
Nitrate as NO3	18		mg/L	1	0.20	EPA 300.0	9/22/00	kk	WS18036
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/22/00	sl	WS17914
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	1.1	EPA 8015B	9/29/00	TL	WS18448
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/	WS18414
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/22/00	TD	WS17926
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/26/00	aw	WS18071

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. *Direct Inj.*								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/21/00 dc	WS17902

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
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Report Date: *Monday, September 11, 2000*
Received Date: *Wednesday, August 23, 2000*
Log By: tn
Log Time: 17:27

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	37		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17101
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	sl	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. P&T									
Gasoline range hydrocarbons (C8-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibrome-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
1,1,1,2-Totrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/3/00 rt	WS17403

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, September 11, 2000*
Received Date: *Thursday, August 24, 2000*
Log By: tn
Log Time: 11:57

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443

Phone: (562) 951-2129
FAX: (562) 951-2086

Attn.: Barry Molnaa

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006000-001
Sampled By: TP
Sample ID: Discharge
Date: 8/24/00
Time: 8:00
Matrix: Ground Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	34		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17105
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	al	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. *P&T*									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroform	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: Monday, September 11, 2000

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
Toluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Styrene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromoform	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	8/30/00 rt	WS17346

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Friday, October 13, 2000*
Received Date: *Wednesday, September 27, 2000*
Log By: tn
Log Time: 12:17

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443

Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/27/00 Time: 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	9.3		mg/L	1	0.20	EPA 300.0	9/28/00	kk	WS18157
Prep. Method: SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	10/3/00	al	WS18313
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/28/00	hn	WS18161
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/29/00	aw	WS18296
Prep. Method: Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/28/00	dc	WS18132
Prep. Method: EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	10/4/00	TL/W	WS18393
Prep. Method: P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/W	WS18414
Prep. Method: P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroform	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloropropene									

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/27/00 Time: 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
Toluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Styrene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromoform	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/27/00 Time: 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	10/1/00 rt	WS18332

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0628

Flags for Data Qualifiers:
B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value. result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

Lab#: A006834

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Weck Laboratories, Inc.
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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, September 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006292-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/6/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17631
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17631

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect. LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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SEP-28-2000 15:16 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.005/016

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Monday, October 02, 2000*
Received Date: *Thursday, September 07, 2000*
Log By: tn
Log Time: 11:13

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 20005-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/7/00	kk	WS17581
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/7/00	aw	WS17460
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/13/00	dc	WS17634
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17635
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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OCT-02-2000 14:02 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.001/008

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661

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OCT-02-2000 14:02 FROM:WECK LABS INC

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006324-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 9/7/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Report Date: *Friday, September 29, 2000*
Received Date: *Friday, September 08, 2000*
Log By: tn
Log Time: 11:59

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA, BA **Date:** 9/8/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	30		mg/L	1	0.20	EPA 300.0	9/8/00	kk	WS17669
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00	sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/12/00	hn	WS17601
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/11/00	aw	WS17673
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00	dc	WS17717
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/13/00	tl	WS17635
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/8/00	tl	WS17683
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/11/00	rt	WS17661
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00	rt	WS17661

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SEP-29-2000 15:28 FROM:WECK LABS INC 6263362634 TO:562 9512086 P.001/009

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA, BA **Date:** 9/8/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/11/00 rt	WS17661
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/11/00 rt	WS17661
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/11/00 rt	WS17661

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, September 29, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006363-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: MJA, BA Date: 9/8/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/11/00 rt	WS17661
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/11/00 rt	WS17661

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, October 02, 2000*
Received Date: *Monday, September 11, 2000*
Log By: tn
Log Time: 15:29

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA,TP **Date:** 9/11/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. Direct Inj.								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/14/00 dc	WS17717
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/14/00 aw	WS17709
Prep. SPE								
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/14/00 sl	WS17722
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/18/00 td	WS17762
Prep. Direct Inj.								
Chloride	44		mg/L	10	2.0	EPA 300.0	9/11/00 kk	WS17690
Nitrate as NO3	29		mg/L	1	0.20	EPA 300.0	9/11/00 kk	WS17690
Sulfate	18		mg/L	1	0.50	EPA 300.0	9/11/00 kk	WS17690
Prep. EPA 3510C								
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	9/20/00 tl/w	WS18027
Prep. P&T								
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/15/00 tl/w	WS18019
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/15/00 rt	WS17779
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA,TP **Date:** 9/11/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/15/00 rt	WS17779
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/15/00 rt	WS17779
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, October 02, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006410-003 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: MJA,TP **Date:** 9/11/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/15/00 rt	WS17779
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/15/00 rt	WS17779
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/15/00 rt	WS17779

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Wednesday, October 11, 2000*
Received Date: *Thursday, September 21, 2000*
Log By: mr
Log Time: 12:06

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 9/21/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prop. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/30/00 rt	WS18203
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/30/00 rt	WS18203
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/30/00 rt	WS18203
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00 rt	WS18203
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/30/00 rt	WS18203
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/30/00 rt	WS18203
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/30/00 rt	WS18203
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00 rt	WS18203

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Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/30/00	rt	WS18203
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/30/00	rt	WS18203
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/30/00	rt	WS18203
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/30/00	rt	WS18203
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/30/00	rt	WS18203
Nitrate as NO3	18		mg/L	1	0.20	EPA 300.0	9/22/00	kk	WS18036
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	9/22/00	sl	WS17914
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	1.1	EPA 8015B	9/29/00	TL	WS18448
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/	WS18414
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/22/00	TD	WS17926
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/26/00	aw	WS18071

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Weck Laboratories, Inc.
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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, October 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006687-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: T.P. Date: 9/21/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. *Direct Inj.*								
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/21/00 dc	WS17902

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, September 11, 2000*
Received Date: *Wednesday, August 23, 2000*
Log By: tn
Log Time: 17:27

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 8/23/00 **Time:** 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	37		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17101
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	sl	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17318
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	9/3/00	rt	WS17403
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Chloroform	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00	rt	WS17403

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
Toluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Styrene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromoform	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	9/3/00 rt	WS17403
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	9/3/00 rt	WS17403
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	9/3/00 rt	WS17403

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A005992-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/23/00 Time: 5:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	9/3/00 rt	WS17403
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	9/3/00 rt	WS17403

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, September 11, 2000*
Received Date: *Thursday, August 24, 2000*
Log By: tn
Log Time: 11:57

Phone: (562) 951-2129
FAX: (562) 951-2086

Client: Earth Tech, Inc.
100 West Broadway, Suite 200
Long Beach, CA 90802-4443

Attn.: Barry Molnaa

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006000-001
Sampled By: TP
Sample ID: Discharge
Date: 8/24/00 Time: 8:00
Matrix: Ground Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	34		mg/L	1	0.20	EPA 300.0	8/24/00	kk	WS17105
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	8/24/00	sl	WS17191
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	8/28/00	td	WS17155
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	8/28/00	aw	WS17195
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/7/00	dc	WS17494
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	8/28/00	tl/w	WS17316
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	8/30/00	tl/w	WS17323
Prep. *P&T*									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	8/30/00	rt	WS17346
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Chloroform	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	8/30/00	rt	WS17346
1,1-Dichloropropene									

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Report Date: *Monday, September 11, 2000*

Client: Earth Tech, Inc.
Project Name: LMC POP

CERTIFICATE OF ANALYSIS

Lab#: A006000-001
Sampled By: TP
Sample ID: Discharge
Date: 8/24/00 Time: 8:00
Matrix: Ground Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	8/30/00 rt	WS17346
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	8/30/00 rt	WS17346
Toluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Styrene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromoform	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	8/30/00 rt	WS17346
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	8/30/00 rt	WS17346
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	8/30/00 rt	WS17346
Total 1,3-Dichloropropene								

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, September 11, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006000-001 Sample ID: Discharge Matrix: Ground Water
Sampled By: TP Date: 8/24/00 Time: 8:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	8/30/00 rt	WS17346
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	8/30/00 rt	WS17346

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Friday, October 13, 2000*
Received Date: *Wednesday, September 27, 2000*
Log By: tn
Log Time: 12:17

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/27/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	9.3		mg/L	1	0.20	EPA 300.0	9/28/00	kk	WS18157
Prep. Method: SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	10/3/00	sl	WS18313
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	9/28/00	hn	WS18161
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	9/29/00	aw	WS18296
Prep. Method: Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	9/28/00	dc	WS18132
Prep. Method: EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	10/4/00	TL/W	WS18393
Prep. Method: P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	9/28/00	TL/W	WS18414
Prep. Method: P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	10/1/00	rt	WS18332
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Chloroform	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00	rt	WS18332

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001
Sampled By: TP

Sample ID: Discharge
Date: 9/27/00 Time: 9:00

Matrix: Ground Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
Toluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Styrene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromoform	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	10/1/00 rt	WS18332
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	10/1/00 rt	WS18332
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	10/1/00 rt	WS18332
Total 1,3-Dichloropropene								

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, October 13, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A006834-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 9/27/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	10/1/00 rt	WS18332
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	10/1/00 rt	WS18332

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:
B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value. result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected. below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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DAILY MONITORING LOG

Column 3A

Test Sequence 2 Cycle 3 Date 9-1-00

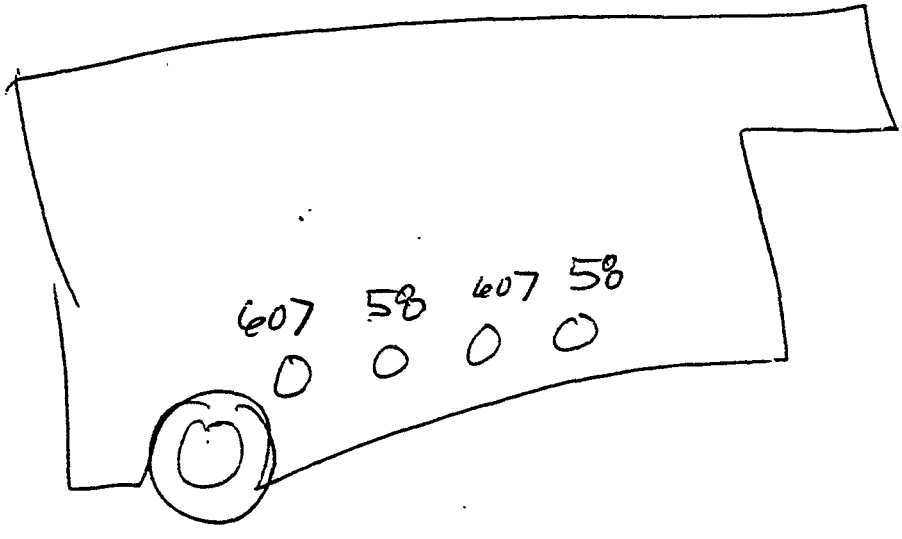
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	13:40	gpm
Totalizer Value from Touch-screen	Touch Screen	80369	14:10	gallons
Influent Pressure to Column 3A	PI-3A-2	30	13:40	psi
Effluent Pressure from Column 3A	PI-3B-1	2	13:40	psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	28	13:40	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	23	13:57	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	3.9	13:57	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	42	14:18	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	5.2	14:21	mg/l
~~Regeneration Flow Rate to Column 3A~~	~~FI-3A-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 3A~~	~~FI-3A-2~~			~~gpm~~

DAILY MONITORING LOG

General Parameters

Date 9.1.00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	14:22	
Conductivity	Discharge	574	14:16	
GAC Influent	PI-01	2	14:24	psi
GAC Midpoint	PI-02	0	14:24	psi
GAC Effluent	PI-03	0	14:24	psi
Bag Filter Influent	PI-04	57	14:24	psi
Bag Filter Effluent	PI-05	56	14:24	psi
Influent Manifold Pressure	PI-06		14:24	psi
Electrical Usage Meter A	Electric Meter	5070	14:24	KW-Hours
Electrical Usage Meter B	Electric Meter	918	14:24	KW-Hours



DAILY MONITORING LOG
General Parameters

Date 9/5/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2		
Conductivity	Discharge	584		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5097		KW-Hours
Electrical Usage Meter B	Electric Meter	931		KW-Hours

> 60 55 > 60 59

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9/5/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1530	gpm
Totalizer Value from Touch-screen	Touch Screen	176097		gallons
Influent Pressure to Column 3A	PI-3A-2	38		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	37		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	35		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	6.7		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	25		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.0		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—		gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—		gpm

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9/6/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1030	gpm
Totalizer Value from Touch-screen	Touch Screen	178250		gallons
Influent Pressure to Column 3A	PI-3A-2	37		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	36		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	28		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	8.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	37		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.6		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

Column 3A

Test Sequence 2 **Date** 9-7-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	16:18	gpm
Totalizer Value from Touch-screen	Touch Screen	97096		gallons
Influent Pressure to Column 3A	PI-3A-2	28		psi
Effluent Pressure from Column 3A	PI-3B-1	3		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	25		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	29		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	12.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	39		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.2		mg/l
~~Regeneration Flow Rate to Column 3A~~	~~FI-3A-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 3A~~	~~FI-3A-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/7/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	0845	
Conductivity	Discharge	582		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5108		KW-Hours
Electrical Usage Meter B	Electric Meter	937		KW-Hours

>60 55 >60 54

DAILY MONITORING LOG

General Parameters

Date 9-8-00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1600	
Conductivity	Discharge	590	1600	
GAC Influent	PI-01	3	15:11	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5117		KW-Hours
Electrical Usage Meter B	Electric Meter	944		KW-Hours

(psi)

607 55 607 55

0 0 0 0

0

DAILY MONITORING LOG

Column 3A

Test Sequence TS2-AD3 **Cycle** 66K BV **Date** 9-8-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1600	gpm
Totalizer Value from Touch-screen	Touch Screen	99255	1555	gallons
Influent Pressure to Column 3A.	PI-3A-2	54	"	psi
Effluent Pressure from Column 3A	PI-3B-1	50	"	psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	4	"	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	39	"	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	11.7	"	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	39	"	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	11.6	"	mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	N/A	N/A	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	N/A	N/A	gpm

DAILY MONITORING LOG
General Parameters

Date 9-11-00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1640	
Conductivity	Discharge	605		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	55		psi
Bag Filter Effluent	PI-05	54		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5137		KW-Hours
Electrical Usage Meter B	Electric Meter	956		KW-Hours

60+ 54 60+ 52

DAILY MONITORING LOG

Column 3A

Test Sequence TS2-AD3 **Cycle** 72K **Date** 9-11-00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1630	gpm
Totalizer Value from Touch-screen	Touch Screen	190430		gallons
Influent Pressure to Column 3A	PI-3A-2	30		psi
Effluent Pressure from Column 3A	PI-3B-1	~ 1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	29		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	47		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	10.1		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	41		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	8.0		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG

General Parameters

Date 9/12

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1035	
Conductivity	Discharge	612		
GAC Influent	PI-01	2		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	55		psi
Bag Filter Effluent	PI-05	53		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5142		KW-Hours
Electrical Usage Meter B	Electric Meter	959		KW-Hours

60 + 53 60 53

DAILY MONITORING LOG

Column 3A

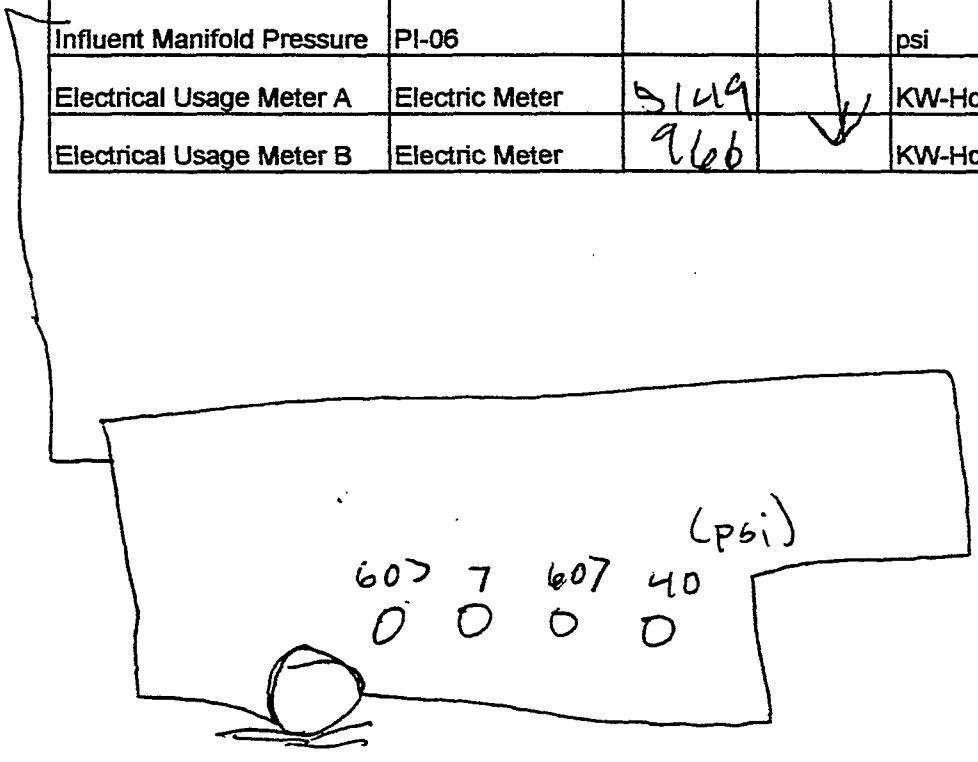
Test Sequence 2 **Cycle**_____ **Date** 9/12

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 3A		1.8	1040	gpm
Totalizer Value from Touch-screen	Touch Screen	192285		gallons
Influent Pressure to Column 3A	PI-3A-2	30		psi
Effluent Pressure from Column 3A	PI-3B-1	~1		psi
Differential Pressure across Column 3B	PI-3B-2 minus PI-3B-1	29		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	33		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-2	9.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	44		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3A-1	7.7		mg/l
Regeneration Flow Rate to Column 3A	FI-3A-1	—	—	gpm
Rinse Water Flow Rate to Column 3A	FI-3A-2	—	—	gpm

DAILY MONITORING LOG
General Parameters

Date 9/13/00

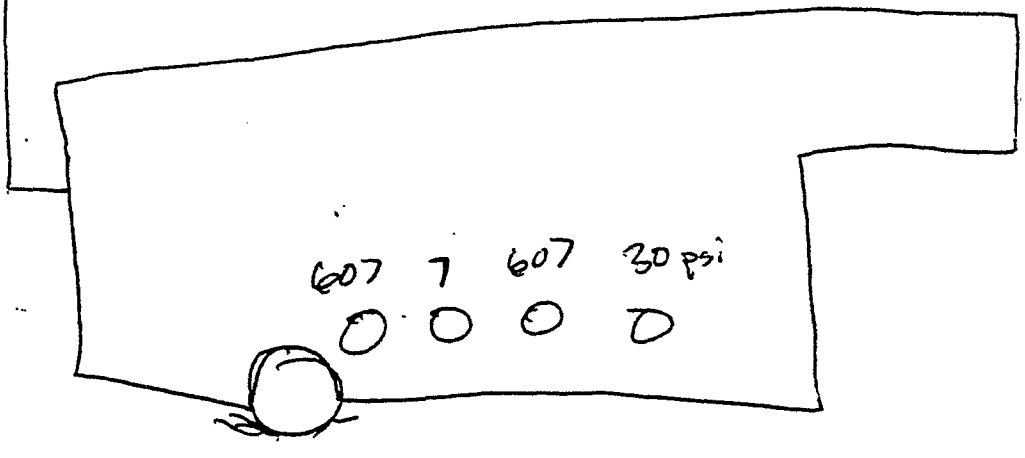
Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	15:57	
Conductivity	Discharge	591	16:57	
GAC Influent	PI-01	2	15:46	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	0		psi
Bag Filter Effluent	PI-05	0		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	3149		KW-Hours
Electrical Usage Meter B	Electric Meter	966		KW-Hours



DAILY MONITORING LOG
General Parameters

Date 9/14

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	7.8	17:19	
Conductivity	Discharge	1205	17:16	
GAC Influent	PI-01	3	17:10	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	0		psi
Bag Filter Effluent	PI-05	0		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5157		KW-Hours
Electrical Usage Meter B	Electric Meter	973		KW-Hours



Column 2B
Test Sequence 2, Cycle 1

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 1	1 BV = 10.2 Gallons	2B-TS2AD1-1	9/13	17:00	X	X	X
Adsorb Cycle 1	2 BV = 20.4 Gallons	2B-TS2AD1-2		17:03	X	X	X
Adsorb Cycle 1	3 BV = 30.6 Gallons	2B-TS2AD1-3		17:05	X	X	X
Adsorb Cycle 1	4 BV = 40.8 Gallons	2B-TS2AD1-4		17:07	X	X	X
Adsorb Cycle 1	5 BV = 51 Gallons	2B-TS2AD1-5		1709	X	X	X
Adsorb Cycle 1	10 BV = 103 Gallons	2B-TS2AD1-10		1719	X	X	X
Adsorb Cycle 1	50 BV = 510 Gallons	2B-TS2AD1-50		1825	X	X	X
Adsorb Cycle 1	100 BV = 1020 Gallons	2B-TS2AD1-100		2000	X	X	X
Adsorb Cycle 1	150 BV = 1530 Gallons	2B-TS2AD1-150		2130	X	X	X
Adsorb Cycle 1	200 BV = 2040 Gallons	2B-TS2AD1-200		2308	X	X	X
Adsorb Cycle 1	300 BV = 3060 Gallons	2B-TS2AD1-300	9-14	0210	X	X	X
Adsorb Cycle 1	400 BV = 4080 Gallons	2B-TS2AD1-400		0515	X	X	X
Adsorb Cycle 1	500 BV = 5100 gallons	2B-TS2AD1-500		0825	X	X	X
Adsorb Cycle 1	600 BV = 6120 Gallons	2B-TS2AD1-600		11:30	X	X	X
Adsorb Cycle 1	700 BV = 7140 Gallons	2B-TS2AD1-700			X	X	X
Brine, Cycle 1	25 Gallons @ 1 gpm	2B-TS2-BR1-COMP	9/18	10:10	X	X	X
Rinse Water, Cycle 1	Composite during rinse	2B-TS2-RW1-COMP	9/18	13:15	X	X	X

Column 5
Test Sequence 2, Cycle 1

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 1	~~1 BV = 10.2 Gallons~~	5-TS2AD1-1	9/13	1645	X	X	X
Adsorb Cycle 1	~~2 BV = 20.4 Gallons~~	5-TS2AD1-2		1647	X	X	X
Adsorb Cycle 1	~~3 BV = 30.6 Gallons~~	5-TS2AD1-3		16:50	X	X	X
Adsorb Cycle 1	~~4 BV = 40.8 Gallons~~	5-TS2AD1-4		16:53	X	X	X
Adsorb Cycle 1	~~5 BV = 51 Gallons~~	5-TS2AD1-5		16:56	X	X	X
Adsorb Cycle 1	~~10 BV = 103 Gallons~~	5-TS2AD1-10		17:06	X	X	X
Adsorb Cycle 1	50 BV = 510 Gallons	5-TS2AD1-50		18:14	X	X	X
Adsorb Cycle 1	100 BV = 1020 Gallons	5-TS2AD1-100		19:45	X	X	X
Adsorb Cycle 1	150 BV = 1530 Gallons	5-TS2AD1-150		21:14	X	X	X
Adsorb Cycle 1	200 BV = 2040 Gallons	5-TS2AD1-200		22:50	X	X	X
Adsorb Cycle 1	300 BV = 3060 Gallons	5-TS2AD1-300	9/14	0200	X	X	X
Adsorb Cycle 1	400 BV = 4080 Gallons	5-TS2AD1-400		0459	X	X	X
Adsorb Cycle 1	500 BV = 5100 gallons	5-TS2AD1-500		0805	X	X	X
Adsorb Cycle 1	600 BV = 6120 Gallons	5-TS2AD1-600		1117	X	X	X
Adsorb Cycle 1	700 BV = 7140 Gallons	5-TS2AD1-700			X	X	X
Brine, Cycle 1	25 Gallons @ 1 gpm	5-TS2-BR1-COMP	9/18	1010	X	X	X
Rinse Water, Cycle 1	Composite during rinse	5-TS2-RW1-COMP	9/18	13:15	X	X	X

Column 2B

Test Sequence 2, Cycle 2

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 2	Influent Sample	2B-TS2AD2-0	9-18-00	14:53	X	X	X
Adsorb Cycle 2	1 BV = 10.2 Gallons	2B-TS2AD2-1		14:56	X	X	X
Adsorb Cycle 2	2 BV = 20.4 Gallons	2B-TS2AD2-2		15:00	X	X	X
Adsorb Cycle 2	3 BV = 30.6 Gallons	2B-TS2AD2-3		15:03	X	X	X
Adsorb Cycle 2	4 BV = 40.8 Gallons	2B-TS2AD2-4		15:06	X	X	X
Adsorb Cycle 2	5 BV = 51 Gallons	2B-TS2AD2-5		15:10	X	X	X
Adsorb Cycle 2	10 BV = 103 Gallons	2B-TS2AD2-10		1521	X	X	X
Adsorb Cycle 2	50 BV = 510 Gallons	2B-TS2AD2-50		16:39	X	X	X
Adsorb Cycle 2	100 BV = 1020 Gallons	2B-TS2AD2-100		17:58	X	X	X
Adsorb Cycle 2	150 BV = 1530 Gallons	2B-TS2AD2-150		19:42	X	X	X
Adsorb Cycle 2	200 BV = 2040 Gallons	2B-TS2AD2-200		2100	X	X	X
Adsorb Cycle 2	300 BV = 3060 Gallons	2B-TS2AD2-300	9-19-00	00:10	X	X	X
Adsorb Cycle 2	400 BV = 4080 Gallons	2B-TS2AD2-400		0312	X	X	X
Adsorb Cycle 2	500 BV = 5100 gallons	2B-TS2AD2-500		0605	X	X	X
Adsorb Cycle 2	550 BV = 5610 gallons	2B-TS2AD2-550		0730	X	X	X
Adsorb Cycle 2	600 BV = 6120 Gallons	2B-TS2AD2-600		0900	X	X	X
Adsorb Cycle 2	650 BV = 6630 gallons	2B-TS2AD2-650		1045	X	X	X
Adsorb Cycle 2	700 BV = 7140 Gallons	2B-TS2AD2-700		1215	X	X	X
Brine, Cycle 2	25 Gallons @ 1 gpm	2B-TS2-BR2-COMP		1330	X	X	X
Rinse Water, Cycle 2	Composite during rinse	2B-TS2-RW2-COMP		1340	X	X	X

Column 5
Test Sequence 2, Cycle 2

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 2	Influent Sample	5-TS2AD2-0	9-18-00	14:35	X	X	X
Adsorb Cycle 2	1 BV = 10.2 Gallons	5-TS2AD2-1		14:38	X	X	X
Adsorb Cycle 2	2 BV = 20.4 Gallons	5-TS2AD2-2		14:42	X	X	X
Adsorb Cycle 2	3 BV = 30.6 Gallons	5-TS2AD2-3		14:44	X	X	X
Adsorb Cycle 2	4 BV = 40.8 Gallons	5-TS2AD2-4		14:47	X	X	X
Adsorb Cycle 2	5 BV = 51 Gallons	5-TS2AD2-5		14:50	X	X	X
Adsorb Cycle 2	10 BV = 103 Gallons	5-TS2AD2-10		15:01	X	X	X
Adsorb Cycle 2	50 BV = 510 Gallons	5-TS2AD2-50		16:20	X	X	X
Adsorb Cycle 2	100 BV = 1020 Gallons	5-TS2AD2-100		17:35	X	X	X
Adsorb Cycle 2	150 BV = 1530 Gallons	5-TS2AD2-150		19:36	X	X	X
Adsorb Cycle 2	200 BV = 2040 Gallons	5-TS2AD2-200		20:55	X	X	X
Adsorb Cycle 2	300 BV = 3060 Gallons	5-TS2AD2-300		23:50	X	X	X
Adsorb Cycle 2	400 BV = 4080 Gallons	5-TS2AD2-400	9-19-00	02:55	X	X	X
Adsorb Cycle 2	500 BV = 5100 gallons	5-TS2AD2-500		05:50	X	X	X
Adsorb Cycle 2	550 BV = 5610 gallons	5-TS2AD2-550		07:18	X	X	X
Adsorb Cycle 2	600 BV = 6120 Gallons	5-TS2AD2-600		08:50	X	X	X
Adsorb Cycle 2	650 BV = 6630 gallons	5-TS2AD2-650		10:25	X	X	X
Adsorb Cycle 2	700 BV = 7140 Gallons	5-TS2AD2-700		12:15	X	X	X
Brine, Cycle 2	25 Gallons @ 1 gpm	5-TS2-BR2-COMP		14:00	X	X	X
Rinse Water, Cycle 2	Composite during rinse	5-TS2-RW2-COMP		14:04	X	X	X

Column 2B

Test Sequence 2, Cycle 3

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 3	Influent Sample	2B-TS2AD3-0	9-19-00	15:14	X	X	X
Adsorb Cycle 3	1 BV = 10.2 Gallons	2B-TS2AD3-1		15:16	X	X	X
Adsorb Cycle 3	2 BV = 20.4 Gallons	2B-TS2AD3-2		1518	X	X	X
Adsorb Cycle 3	3 BV = 30.6 Gallons	2B-TS2AD3-3		15:20	X	X	X
Adsorb Cycle 3	4 BV = 40.8 Gallons	2B-TS2AD3-4		1522	X	X	X
Adsorb Cycle 3	5 BV = 51 Gallons	2B-TS2AD3-5		1524	X	X	X
Adsorb Cycle 3	10 BV = 103 Gallons	2B-TS2AD3-10		15:30	X	X	X
Adsorb Cycle 3	50 BV = 510 Gallons	2B-TS2AD3-50		16:57	X	X	X
Adsorb Cycle 3	100 BV = 1020 Gallons	2B-TS2AD3-100		18:15	X	X	X
Adsorb Cycle 3	150 BV = 1530 Gallons	2B-TS2AD3-150		1942	X	X	X
Adsorb Cycle 3	200 BV = 2040 Gallons	2B-TS2AD3-200		2125	X	X	X
Adsorb Cycle 3	300 BV = 3060 Gallons	2B-TS2AD3-300	9-20	0035	X	X	X
Adsorb Cycle 3	400 BV = 4080 Gallons	2B-TS2AD3-400		0335	X	X	X
Adsorb Cycle 3	500 BV = 5100 gallons	2B-TS2AD3-500		0638	X	X	X
Adsorb Cycle 3	550 BV = 5610 gallons	2B-TS2AD3-550		8:23	X	X	X
Adsorb Cycle 3	600 BV = 6120 Gallons	2B-TS2AD3-600		9:39	X	X	X
Adsorb Cycle 3	650 BV = 6630 gallons	2B-TS2AD3-650			X	X	X
Adsorb Cycle 3	700 BV = 7140 Gallons	2B-TS2AD-700		12:34	X	X	X
Brine, Cycle 3	25 Gallons @ 1 gpm	2B-TS2-BR3-COMP		13:51	X	X	X
Rinse Water, Cycle 3	Composite during rinse	2B-TS2-RW3-COMP		1530	X	X	X

Column 5
Test Sequence 2, Cycle 3

Activity	Sample	Sample Label	Sample Collection Date	Sample Collection Time	LABORATORY SAMPLES		
					Perchlorate (1/2 pint)	Nitrate & Sulfate (1/2 pint)	Uranium (1/2 pint)
Adsorb Cycle 3	Influent Sample	5-TS2AD3-0	9-19-00	14:58	X	X	X
Adsorb Cycle 3	1 BV = 10.2 Gallons	5-TS2AD3-1		15:01	X	X	X
Adsorb Cycle 3	2 BV = 20.4 Gallons	5-TS2AD3-2		15:04	X	X	X
Adsorb Cycle 3	3 BV = 30.6 Gallons	5-TS2AD3-3		15:06	X	X	X
Adsorb Cycle 3	4 BV = 40.8 Gallons	5-TS2AD3-4		15:09	X	X	X
Adsorb Cycle 3	5 BV = 51 Gallons	5-TS2AD3-5		15:11	X	X	X
Adsorb Cycle 3	10 BV = 103 Gallons	5-TS2AD3-10		15:20	X	X	X
Adsorb Cycle 3	50 BV = 510 Gallons	5-TS2AD3-50		16:34	X	X	X
Adsorb Cycle 3	100 BV = 1020 Gallons	5-TS2AD3-100		18:07	X	X	X
Adsorb Cycle 3	150 BV = 1530 Gallons	5-TS2AD3-150		19:20	X	X	X
Adsorb Cycle 3	200 BV = 2040 Gallons	5-TS2AD3-200		2100	X	X	X
Adsorb Cycle 3	300 BV = 3060 Gallons	5-TS2AD3-300	9-20	00:18	X	X	X
Adsorb Cycle 3	400 BV = 4080 Gallons	5-TS2AD3-400		0320	X	X	X
Adsorb Cycle 3	500 BV = 5100 gallons	5-TS2AD3-500		0626	X	X	X
Adsorb Cycle 3	550 BV = 5610 gallons	5-TS2AD3-550		08:00	X	X	X
Adsorb Cycle 3	600 BV = 6120 Gallons	5-TS2AD3-600		09:31	X	X	X
Adsorb Cycle 3	650 BV = 6630 gallons	5-TS2AD3-650		10:56	X	X	X
Adsorb Cycle 3	700 BV = 7140 Gallons	5-TS2AD-700		12:34	X	X	X
Brine, Cycle 3	25 Gallons @ 1 gpm	5-TS2-BR3-COMP		13:49	X	X	X
Rinse Water, Cycle 3	Composite during rinse	5-TS2-RW3-COMP		1530	X	X	X

DAILY MONITORING LOG

General Parameters

Date 9/20

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1720	
Conductivity	Discharge	875		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5173		KW-Hours
Electrical Usage Meter B	Electric Meter	998		KW-Hours

60 + 40 40 40

DAILY MONITORING LOG

Column 2B

Test Sequence 2 **Cycle** 4 **Date** 9/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	1715	gpm
Totalizer Value from Touch-screen	Touch Screen	527768		gallons
Influent Pressure to Column 2B	PI-2B-2	12		psi
Effluent Pressure from Column 2B	PI-2B-1	7		psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	5		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	77		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	6.5		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1.0		mg/l
Regeneration Flow Rate to Column 2B	FI-2B-1	—	—	gpm
Rinse Water Flow Rate to Column 2B	FI-2B-2	—	—	gpm

DAILY MONITORING LOG

Column 5

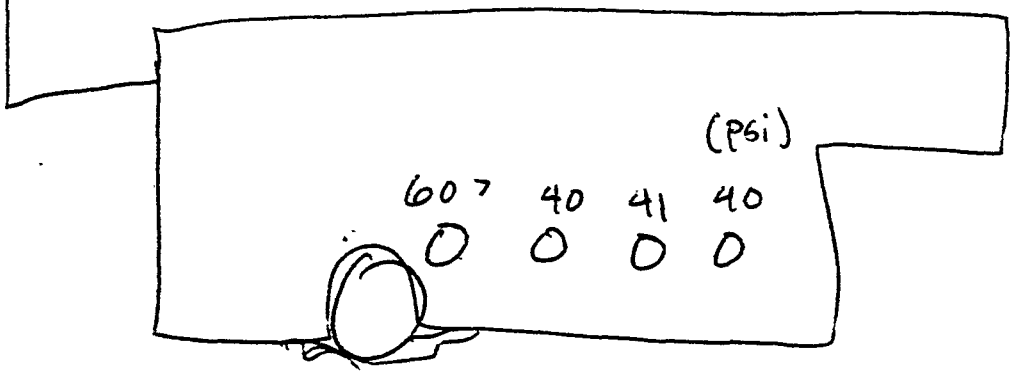
Test Sequence 2 Cycle 4 **Date** 9/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	1747	gpm
Totalizer Value from Touch-screen	Touch Screen	495932		gallons
Influent Pressure to Column 5	PI-3C-2	15		psi
Effluent Pressure from Column 5	PI-3C-1	6		psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	75		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	6.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.6		mg/l
Regeneration Flow Rate to Column 4	FI-3C-1	—	—	gpm
Rinse Water Flow Rate to Column 4	FI-3C-2	—	—	gpm

DAILY MONITORING LOG
General Parameters

Date 9/21

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	7.9	6:42	
Conductivity	Discharge	794	6:42	
GAC Influent	PI-01	3	6:37	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5179		KW-Hours
Electrical Usage Meter B	Electric Meter	1002		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 5 Date 9/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8		gpm
Totalizer Value from Touch-screen	Touch Screen	53548		gallons
Influent Pressure to Column 2B	PI-2B-2	11		psi
Effluent Pressure from Column 2B	PI-2B-1	8		psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	<10	16:18	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	3.4	16:26	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0.9		mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			gpm
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			gpm

DAILY MONITORING LOG

Column 5

Test Sequence 2, cycle 5 **Date** 9/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.00	16:43	gpm
Totalizer Value from Touch-screen	Touch Screen	502839	16:32	gallons
Influent Pressure to Column 5	PI-3C-2	13	16:43	psi
Effluent Pressure from Column 5	PI-3C-1	4	16:43	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9	16:43	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	71	16:55	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	5.2	16:59	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2	17:11	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	.9	17:16	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			gpm
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			gpm

DAILY MONITORING LOG
General Parameters

Date 9/25/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	17:00	
Conductivity	Discharge	656		
GAC Influent	PI-01	2	17:00	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5189		KW-Hours
Electrical Usage Meter B	Electric Meter	1015		KW-Hours

60 > 40 40 40

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DAILY MONITORING LOG

Column 2B

Test Sequence 2 **Cycle** 6 **Date** 9/25

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	15:50	gpm
Totalizer Value from Touch-screen	Touch Screen	43246	15:50	gallons
Influent Pressure to Column 2B	PI-2B-2	11	15:50	psi
Effluent Pressure from Column 2B	PI-2B-1	8	15:50	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3	15:50	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	52	15:55	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	10.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	2.1		mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~

DAILY MONITORING LOG
Column 5

Test Sequence 2 **Date** 9/25

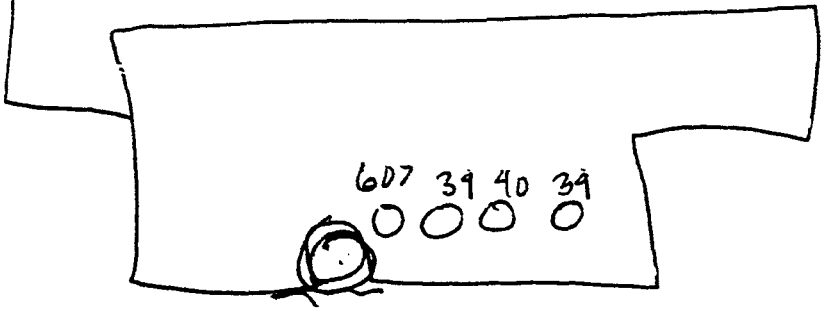
Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	15:31	gpm
Totalizer Value from Touch-screen	Touch Screen	511305	15:31	gallons
Influent Pressure to Column 5	PI-3C-2	13	15:31	psi
Effluent Pressure from Column 5	PI-3C-1	5	15:31	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	8	15:31	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	67	15:35	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.7	15:39	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1	15:45	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1.3	15:49	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			gpm
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			gpm

DAILY MONITORING LOG

General Parameters

Date 9/26/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	20:29	
Conductivity	Discharge	634	20:29	
GAC Influent	PI-01	3	20:26	psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	51		psi
Bag Filter Effluent	PI-05	40		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5197		KW-Hours
Electrical Usage Meter B	Electric Meter	1021		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 **Cycle** 7 **Date** 9/26

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.0	20:24	gpm
Totalizer Value from Touch-screen	Touch Screen	551810	20:14	gallons
Influent Pressure to Column 2B	PI-2B-2	11	20:14	psi
Effluent Pressure from Column 2B	PI-2B-1	5	20:14	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	6	20:14	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	43	20:28	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	6.0	20:28	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1	20:42	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	3.1	20:42	mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			gpm
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			gpm

DAILY MONITORING LOG

Column 5

Test Sequence 2, 7 **Date** 9/26

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.8	20:06	gpm
Totalizer Value from Touch-screen	Touch Screen	52039	20:06	gallons
Influent Pressure to Column 5	PI-3C-2	18	20:06	psi
Effluent Pressure from Column 5	PI-3C-1	9	20:06	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	9	20:06	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	45	20:06	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.1	20:09	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2	20:12	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	5.4	20:15	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/27

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	16:07	
Conductivity	Discharge	646	16:07	
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	49		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5203		KW-Hours
Electrical Usage Meter B	Electric Meter	1024		KW-Hours

607 40 40 40
0 0 0 0

DAILY MONITORING LOG

Column 2B

Test Sequence 7 Cycle 8 Date 9/27/06

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	16:09	gpm
Totalizer Value from Touch-screen	Touch Screen	557424	15:58	gallons
Influent Pressure to Column 2B	PI-2B-2	12	16:09	psi
Effluent Pressure from Column 2B	PI-2B-1	8	16:09	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	4	16:09	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	58	16:09	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	9.1	16:13	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0	16:18	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	0.8	16:21	mg/l
~~Regeneration Flow Rate to Column 2B~~	FI-2B-1			gpm
~~Rinse Water Flow Rate to Column 2B~~	FI-2B-2			gpm

DAILY MONITORING LOG

Column 5

Test Sequence 2, 8 **Date** 9/27/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	15:46	gpm
Totalizer Value from Touch-screen	Touch Screen	525657	15:40	gallons
Influent Pressure to Column 5	PI-3C-2	15		psi
Effluent Pressure from Column 5	PI-3C-1	7		psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	8		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	62		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.4		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.4		mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG

Column 5

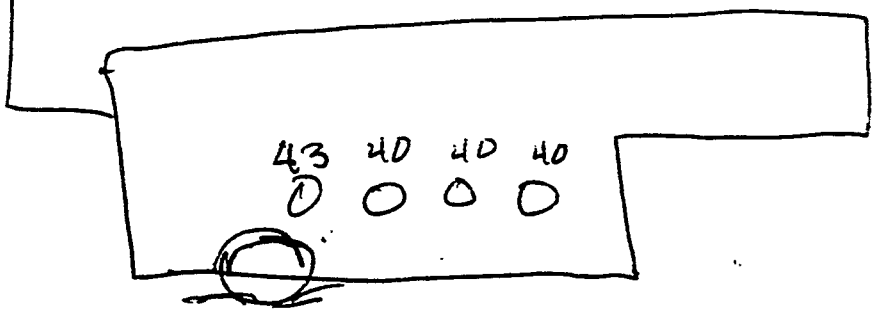
Test Sequence 2, 9 **Date** 9/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 5	FI-3C-7 Rotameter	6.0	16:43	gpm
Totalizer Value from Touch-screen	Touch Screen	533059	16:33	gallons
Influent Pressure to Column 5	PI-3C-2	19	16:43	psi
Effluent Pressure from Column 5	PI-3C-1	6	16:43	psi
Differential Pressure across Column 5	PI-3C-2 minus PI-3C-1	12	16:43	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	54	16:49	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.2	16:45	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0	16:54	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	3.9	16:56	mg/l
~~Regeneration Flow Rate to Column 4~~	~~FI-3C-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 4~~	~~FI-3C-2~~			~~gpm~~

DAILY MONITORING LOG
General Parameters

Date 9/20/6

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1718	
Conductivity	Discharge	663		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	53		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5210		KW-Hours
Electrical Usage Meter B	Electric Meter	1030		KW-Hours



DAILY MONITORING LOG

Column 2B

Test Sequence 2 Cycle 9 Date 9/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 2B		6.8	17:03	gpm
Totalizer Value from Touch-screen	Touch Screen	565029	16:52	gallons
Influent Pressure to Column 2B	PI-2B-2	12	16:52	psi
Effluent Pressure from Column 2B	PI-2B-1	9	16:52	psi
Differential Pressure across Column 2B	PI-2B-2 minus PI-2B-1	3	16:52	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	42	17:05	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-2	8.4	17:06	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	1.0	17:16	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-2B-1	5.9	17:18	mg/l
~~Regeneration Flow Rate to Column 2B~~	~~FI-2B-1~~			~~gpm~~
~~Rinse Water Flow Rate to Column 2B~~	~~FI-2B-2~~			~~gpm~~