

MARIN

ENVIRONMENTAL

December 11, 2000

Ms. Ann Faust
Grant Coordinator
Town of Haddam
30 Field Park Drive
Haddam, CT 06438

Re: Connecticut Department of Transportation Facility
Ground Water Sampling Data Summary

Dear Ms. Faust:

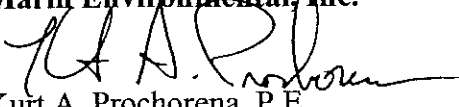
As a follow-up to our discussions at the December 7, 2000 meeting of the Higganum Center Advisory Committee, please find enclosed a final summary of analytical data related to ground water samples collected at the Connecticut Department of Transportation Facility located at 11 Candlewood Hill Road in Higganum.

Sampling of the monitoring wells and facility drinking water supply well was conducted on November 11, 2000. Results of the sampling were compared to the Ground Water Protection Criteria (applicable to GA ground water areas) defined in the Connecticut Remediation Standard Regulations and the Connecticut Department of Public Health Maximum Contaminant Levels (MCL). As is evident in the summary table, several constituents exceed these criteria. Because of these exceedances, the provisions of Public Act 98-134 ("Reporting of Certain Significant Environmental Hazards by Owners of Contaminated Property") may be applicable. Current information indicates that the Haddam Volunteer Fire Department supply well is located within 500 feet in a downgradient position of the impacted ground water. This would apply to PA 98-134-1-9g (drinking water well threatened). The Town's legal counsel should be consulted to aid in developing a definitive determination.

We are currently researching existing survey information to determine the elevations of the wells such that a ground water contour map can be generated which will depict ground water flow direction at the site. When the survey information is verified and the contour map generated we will forward a copy to you.

It is our pleasure to be of continued service to the Town of Haddam on this project. Please do not hesitate to contact us if you should have any questions or comments.

Sincerely,
Marin Environmental, Inc.


Kurt A. Prochorena, P.E.
Senior Environmental Engineer


James T. Olsen, L.E.P.
Principal Hydrogeologist/Section Manager

Enclosure

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Summary of Analytical Results
Connecticut DOT Facility Ground Water Sampling
November 2000

	Units	RSR Criteria		CT	Sampling Locations									
PARAMETERS		GWP	SWP	MCL	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4	MW-25-5	D-8	D-23	TAP
Inorganic Ions														
Chloride	mg/L	NE	NE	250	13	11	28	31	59	33	43	55	260	13
Lead	mg/L	0.015	0.013	0.015	ND	ND	ND	ND	ND	ND	0.049	0.051	0.044	ND
Selenium	mg/L	0.015	0.05	0.05	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND
Cadmium	mg/L	0.005	0.006	0.005	ND	ND	ND	ND	ND	0.022	ND	ND	ND	ND
Chromium	mg/L	NE	1.2	0.1	ND	ND	ND	ND	ND	ND	0.064	ND	ND	ND
Barium	mg/L	1	NE	1	ND	ND	ND	ND	ND	0.17	0.60	0.33	0.21	ND
Sodium	mg/L	NE	NE	28 (1)	7.4	6.6	25	32	34	16	72	48	180	3.4
Volatile Organics														
Toluene	ug/L	1,000	4,000,000	1,000	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	280,000	700	ND	1.6	ND	ND	ND	1.8	ND	ND	ND	ND
Xylenes	ug/L	530	NE	10,000(2)	ND	7.4	ND	ND	ND	8.7	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ug/L	350	NE	NE	ND	5.6	ND	ND	ND	2.7	ND	ND	ND	ND
Extractable Total Petroleum Hydrocarbons														
ETPH	ug/L	100	NE	50	ND	ND	ND	140	ND	ND	ND	ND	ND	ND

Notes:

GWP = Ground Water Protection NE = No Standard Established (1) Notification level
SWP = Surface Water Protection NA = Not Analyzed (2) Total xylenes



80 Lupes Drive
Stratford, CT 06615

November 21, 2000

Mr. Lee LeBlanc
Marin Environmental
7 Island Dock Road
Haddam, CT 06438

Project: CT DOT-Higganum

Project #: 99-0474-08

CET #: 00110511

Water: D-23; D-8; MW-25-1; MW-25-1D; MW-25-2; MW-25-2D; MW-25-3; MW-25-4; MW-25-5; TAP; Trip Blank

Collection Date(s): 11/10/00

PREP ANALYSIS:

Acid Digestion of Waters [EPA 3005A]

	MW-25-2	MW-25-2D	MW-25-3	MW-25-4	MW-25-5	D-8
Acid Digestion of Waters	Completed [11/14/00]	Completed [11/14/00]	Completed [11/14/00]	Completed [11/14/00]	Completed [11/14/00]	Completed [11/14/00]

Acid Digestion of Waters [EPA 3005A]

	D-23
Acid Digestion of Waters	Completed [11/14/00]

ANALYSIS:

Conn. Extractable TPH [CT DEP] Units: mg/l Analysis Date: 11/15/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
Conn. Extractable TPH	ND < 0.10	ND < 0.10	ND < 0.10	0.14*	ND < 0.10	ND < 0.10

Conn. Extractable TPH [CT DEP] Units: mg/l Analysis Date: 11/15/00

	MW-25-5	D-8	D-23	TAP
Conn. Extractable TPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10

*C₉-C₃₆ range

NOTES:

[] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Chloride [EPA 300.0] Units: mg/l Analysis Date: 11/15/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
Chloride	13	11	28	31	59	33

Chloride [EPA 300.0] Units: mg/l Analysis Date: 11/15/00

	MW-25-5	D-8	D-23	TAP
Chloride	43	55	260	13

Total Mercury [EPA 7470] Units: mg/l Analysis Date: 11/14/00

	TAP
Total Mercury	ND < 0.002

Dissolved Mercury [EPA 245.2] Units: mg/l Analysis Date: 11/14/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
Dissolved Mercury	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002

Dissolved Mercury [EPA 245.2] Units: mg/l Analysis Date: 11/14/00

	MW-25-5	D-8	D-23
Dissolved Mercury	ND < 0.002	ND < 0.002	ND < 0.002

Total Metals [EPA 200.7] Units: mg/l Analysis Date: 11/14/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	0.022
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	0.17
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Sodium	7.4	6.6	25	32	34	16

Total Metals [EPA 200.7] Units: mg/l Analysis Date: 11/14/00

	MW-25-5	D-8	D-23	TAP
Lead	0.049	0.051	0.044	ND < 0.013
Selenium	0.014	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	0.023	ND < 0.005
Chromium	0.064	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.60	0.33	0.21	ND < 0.05
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Sodium	72	43	110	3.4

Notes:

[] Indicates Date Prep Test Completed; ND is Not Detected.

Dissolved Metals [EPA 200.7] Units: mg/l Analysis Date: 11/14/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.25	0.31	0.43	0.24	0.57	0.41
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Sodium	16	17	28	44	45	28

Dissolved Metals [EPA 200.7] Units: mg/l Analysis Date: 11/14/00

	MW-25-5	D-8	D-23
Lead	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.30	0.54	0.44
Silver	ND < 0.012	ND < 0.012	ND < 0.012
Sodium	78	38	100

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l Analysis Date: 11/15/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
4,4-DDD	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4,4-DDE	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4,4-DDT	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4,4-Methoxychlor	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Aldrin	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Alpha-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Beta-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chlordane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Delta-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dieldrin	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endosulfan I	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endosulfan II	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endosulfan Sulfate	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endrin	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endrin Aldehyde	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endrin Ketone	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Gamma-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Heptachlor	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Heptachlor Epoxide	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Toxaphene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Notes:

[] Indicates Date Prep Test Completed; ND is Not Detected.

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l Analysis Date: 11/15/00

	MW-25-5	D-8	D-23	TAP
4,4-DDD	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4,4-DDE	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4,4-DDT	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4,4-Methoxychlor	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Aldrin	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Alpha-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Beta-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chlordane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Delta-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dieldrin	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endosulfan I	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endosulfan II	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endosulfan Sulfate	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endrin	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endrin Aldehyde	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Endrin Ketone	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Gamma-BHC	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Heptachlor	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Heptachlor Epoxide	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Toxaphene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

EPA 8151B Chlorinated Herbicides [EPA 8150] Units: ug/l Analysis Date: 11/20/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
2,4,5-T	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-D	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DB	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
3,5-Dichlorobenzoic acid	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
4-Nitrophenol	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Dalapon	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Dicamba	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Dichloroprop	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Dinoseb	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PCP	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Picloram	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Silvex	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50

EPA 8151B Chlorinated Herbicides [EPA 8150] Units: ug/l Analysis Date: 11/20/00

	MW-25-5	D-8	D-23	TAP
2,4,5-T	ND < 50	ND < 50	ND < 50	ND < 50
2,4-D	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DB	ND < 50	ND < 50	ND < 50	ND < 50
3,5-Dichlorobenzoic acid	ND < 50	ND < 50	ND < 50	ND < 50
4-Nitrophenol	ND < 50	ND < 50	ND < 50	ND < 50
Dalapon	ND < 50	ND < 50	ND < 50	ND < 50
Dicamba	ND < 50	ND < 50	ND < 50	ND < 50
Dichloroprop	ND < 50	ND < 50	ND < 50	ND < 50
Dinoseb	ND < 50	ND < 50	ND < 50	ND < 50
PCP	ND < 50	ND < 50	ND < 50	ND < 50
Picloram	ND < 50	ND < 50	ND < 50	ND < 50
Silvex	ND < 50	ND < 50	ND < 50	ND < 50

Notes:

[] Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8021B] Units: ug/l Analysis Date: 11/14/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromochloromethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,3-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Toluene	ND < 1.0	1.6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	1.6	ND < 1.0	ND < 1.0	ND < 1.0	1.8
m+p Xylenes	ND < 1.0	4.5	ND < 1.0	ND < 1.0	ND < 1.0	6.2
o-Xylene	ND < 1.0	2.9	ND < 1.0	ND < 1.0	ND < 1.0	2.5
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	5.6	ND < 1.0	ND < 1.0	ND < 1.0	2.7
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Notes:

[] Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8021B] Units: ug/l Analysis Date: 11/14/00

	MW-25-1	MW-25-1D	MW-25-2	MW-25-2D	MW-25-3	MW-25-4
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8021B] Units: ug/l Analysis Date: 11/14/00

	MW-25-5	D-8	D-23	Trip Blank	TAP
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromochloromethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,3-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Notes:

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Project#: 99-0474-08
Cet#: 00110511
Project: CT DOT-Higganum

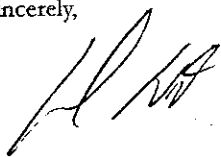
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November 21, 2000

Volatile Organics [EPA 8021B] Units: ug/l Analysis Date: 11/14/00

	MW-25-5	D-8	D-23	Trip Blank	TAP
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Sincerely,



David Ditta
Laboratory Director

Notes:

[] Indicates Date Prep Test Completed; ND is Not Detected.

Complete Environmental Testing, Inc.