17031 2 N. 8/29/95

DOW

Dow Environmental Inc.
Penn Center West
Building III, Suite 300
Pittsburgh, PA 15276
Fax: (412) 788-1316
(412) 788-2717

PGH-95-MJD-829

August 29, 1995

Mr. Michael McAteer
U.S. Environmental Protection Agency
Region V
77 West Jackson Boulevard
HSRW-6J
Chicago, Illinois 60604-3590

Subject: Enviro-Chem Superfund Site
Drummed Waste Removal Project
DEI Project Number 2455.005

Dear Mr. McAteer:

I would like to update you on the status of the Drummed Waste Removal (DWR) Project for the subject site. As you are aware, the bulked solid and liquid wastes that were removed from the drums have been temporarily stored onsite pending receipt of the results of characteristic testing and acceptance at the offsite disposal facilities.

We have now received the results of the characteristic testing and all of the bulked waste streams are non-hazardous per RCRA criteria. Analytical results are attached. We have submitted an IDEM Special Waste Certification application for disposal of the solid wastes at the Waste Management Inc. facility in Danville, Indiana. The liquid wastes have been accepted for disposal at the Clean Harbors facility in Chicago, Illinois.

The fact that the solid wastes are not hazardous will result in an extension of the schedule for waste loadout. The original schedule was based on the assumption that the solid wastes would be RCRA wastes and that an IDEM Special Waste Application would not be necessary. The actual waste loadout date will depend on IDEM's approval of the application. I estimate loadout will occur at or near the end of September 1995, based on IDEM's present review schedule.

We have been in touch with the IDEM Site Manager, Mr. Tony Likins, and the IDEM Solid Waste Permits Section in an effort to expedite the approval of the application. Of course, any assistance that U.S. EPA may provide in expediting the approval would be appreciated.

Please contact me if you have any questions or comments on this matter.

Sincerely,

Mark Dowiak, P.E.
Project Manager

MJD/rks

attachment

cc: Mr. Tony Likins, IDEM
Mr. Frank Mahuta, CH2M Hill

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Microbac Laboratories, Inc.

Microbac Inc.-Pittsburgh Div.
100 Marshall Dr.
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CERTIFICATE OF ANALYSIS

DOW ENVIRONMENTAL
Mr. John Harris
Penn Center West III
Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 7/25/95
Order No 9507-00531
Invoice No 000705
Cust # BD028
Sampled Date 7/19/95
Sampled Time 00:00

Permit No .
Cust P.O.

Subject: ECC Superfund Site

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
1 ECC-S-01						
Corrosivity	SW846 7.2	non		8/03/95	16:40	ADS
Ignitability	SW-846 1010	ONF	Degrees F	8/01/95	16:25	RDP
Reactivity				8/07/95	15:41	LLS
Reactive Cyanide	SW-846 7.3.3.2	0.46	mg/Kg	8/07/95	15:41	LLS
Sulfide, Reactive	SW-846 7.3.4.2	<0.10	mg/Kg	8/02/95	15:41	LLS
Paint Filter Liquids Test	SW-846 9095	PASS		8/01/95	8:51	RDP
PCBs	SW-846 8080			8/02/95	15:32	TWS
PCB-1016		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1221		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1232		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1242		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1248		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1254		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1260		<0.100	mg/Kg	8/02/95	15:32	TWS
Date Extracted PCB		7/31/95		7/31/95	13:55	GPM
TCLP Extract Preparation	EPA 1311	8/1/95		8/02/95	8:45	RDP
Zero Headspace Extraction	EPA 1311	8/1/95		8/01/95	9:06	RDP
2 TCLP ECC-S-01						
TCLP Metals				8/01/95	16:42	LLS
PH of Extract, Initial	SW-846 9040	9.5		8/01/95	16:42	LLS
PH of Extract, Final	SW-846 9040	1.8		8/01/95	16:42	LLS
Arsenic	SW-846 6010	<0.05	mg/L	8/15/95	15:58	CNP
Barium	SW-846 6010	<1	mg/L	8/03/95	11:00	CMC
Cadmium	SW-846 6010	<0.01	mg/L	8/03/95	11:00	CMC
Chromium	SW-846 6010	<0.05	mg/L	8/03/95	11:00	CMC

Certificate Of Analysis Continued On Next Page

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Mr. John Harris
Penn Center West III
Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 7/25/95
Order No 9507-00531
Invoice No 000705
Cust # 80028
Sampled Date 7/19/95
Sampled Time 00:00

Permit No .
Cust P.O.

Subject: ECC Superfund Site

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
2 TCLP ECC-S-01						
Lead	SW-846 6010	<0.1	mg/L	8/03/95	11:00	CMC
Mercury	SW-846 7471	<0.0002	mg/L	8/03/95	11:00	JGR
Selenium	SW-846 6010	<0.05	mg/L	8/15/95	15:58	CMP
Silver	SW-846 6010	<0.05	mg/L	8/10/95	11:00	JGR
Copper in Ext.	SW-846 6010	<0.01	mg/L	8/10/95	10:35	CMC
Zinc in Ext.	SW-846 6010	<0.01	mg/L	8/10/95	10:44	CMC
TCLP Semivolatiles	SW-846 8270			8/04/95	22:58	ASV
o-Cresol		<0.04	mg/L	8/04/95	22:58	ASV
m-Cresol		<0.04	mg/L	8/04/95	22:58	ASV
p-Cresol		<0.04	mg/L	8/04/95	22:58	ASV
1,4-Dichlorobenzene		<0.04	mg/L	8/04/95	22:58	ASV
4-Dinitrotoluene		<0.04	mg/L	8/04/95	22:58	ASV
Hexachlorobenzene		<0.04	mg/L	8/04/95	22:58	ASV
Hexachlorobutadiene		<0.04	mg/L	8/04/95	22:58	ASV
Hexachloroethane		<0.04	mg/L	8/04/95	22:58	ASV
Nitrobenzene		<0.04	mg/L	8/04/95	22:58	ASV
Pentachlorophenol		<0.20	mg/L	8/04/95	22:58	ASV
Pyridine		<0.04	mg/L	8/04/95	22:58	ASV
2,4,5-Trichlorophenol		<0.20	mg/L	8/04/95	22:58	ASV
2,4,6-Trichlorophenol		<0.04	mg/L	8/04/95	22:58	ASV
TCLP Pesticides	SW-846 8080			8/04/95	13:19	TWC
Chlordane		<0.0001	mg/L	8/04/95	13:19	TWC
Endrin		<0.0002	mg/L	8/04/95	13:19	TWC
Heptachlor		<0.0001	mg/L	8/04/95	13:19	TWC
Heptachlor Epoxide		<0.00005	mg/L	8/04/95	13:19	TWC
Lindane		<0.00005	mg/L	8/04/95	13:19	TWC
Methoxychlor		<0.0005	mg/L	8/04/95	13:19	TWC

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Suite 300
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Date Reported 8/17/95
Date Received 7/25/95
Order No 9507-00531
Invoice No 000705
Cust # 8D028
Sampled Date 7/19/95
Sampled Time 00:00

Permit No .
Cust P.O.

Subject: ECC Superfund Site

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
2 TCLP ECC-S-01						
Toxaphene		<0.005	mg/L	8/04/95	13:19	TWC
TCLP Herbicides	SW-846 8150			8/04/95	13:17	TWS
2,4-D		<0.002	mg/L	8/04/95	13:17	TWS
2,4,5-TP (Silvex)		<0.001	mg/L	8/04/95	13:17	TWS
Date Extracted Semivolatile				8/04/95	9:37	GPM
Date Extracted Pesticide				8/03/95	13:50	GPM
Date Extracted Herbicide				8/03/95	13:49	GPM
3 ZHE ECC-S-01						
TCLP Volatiles	SW-846 8240			8/02/95	11:13	MSM
Benzene		<0.025	mg/L	8/02/95	11:13	MSM
Carbon Tetrachloride		<0.025	mg/L	8/02/95	11:13	MSM
Chlorobenzene		<0.025	mg/L	8/02/95	11:13	MSM
Chloroform		<0.025	mg/L	8/02/95	11:13	MSM
1,2-Dichloroethane		<0.025	mg/L	8/02/95	11:13	MSM
1,1-Dichloroethene		<0.025	mg/L	8/02/95	11:13	MSM
Methyl ethyl ketone		<0.500	mg/L	8/02/95	11:13	MSM
Tetrachloroethene		<0.025	mg/L	8/02/95	11:13	MSM
Trichloroethene		0.223	mg/L	8/02/95	11:13	MSM
Vinyl Chloride		<0.050	mg/L	8/02/95	11:13	MSM
4 ECC-S-02						
Corrosivity	SW846 7.2	non		8/03/95	16:40	ADS
Ignitability	SW-846 1010	ONF	Degrees F	8/01/95	16:25	RDP
Reactivity				8/07/95	15:41	LLS

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Mr. John Harris
Penn Center West III
Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 7/25/95
Order No 9507-00531
Invoice No 000705
Cust # BD028
Sampled Date 7/19/95
Sampled Time 00:00

Permit No .
Cust P.O.

Subject: ECC Superfund Site

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
4 ECC-S-02						
Reactive Cyanide	SW-846 7.3.3.2	<0.01	mg/Kg	8/07/95	15:41	LLS
Sulfide, Reactive	SW-846 7.3.4.2	<0.01	mg/Kg	8/02/95	15:41	LLS
Paint Filter Liquids Test	SW-846 9095	PASS		8/01/95	8:51	RDP
PCBs	SW-846 8080			8/02/95	15:32	TWS
PCB-1016		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1221		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1232		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1242		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1248		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1254		<0.100	mg/Kg	8/02/95	15:32	TWS
PCB-1260		<0.100	mg/Kg	8/02/95	15:32	TWS
te Extracted PCB		GPM		7/31/95	14:00	GPM
TCLP Extract Preparation	EPA 1311	8/1/95		8/02/95	8:45	RDP
Zero Headspace Extraction	EPA 1311	8/1/95		8/01/95	9:06	RDP
5 TCLP ECC-S-02						
TCLP Metals				8/01/95	11:00	LLS
PH of Extract, Initial	SW-846 9040	11.3		8/01/95	11:00	LLS
PH of Extract, Final	SW-846 9040	2.2		8/01/95	16:42	LLS
Arsenic	SW-846 6010	<0.05	mg/L	8/15/95	15:58	CMP
Barium	SW-846 6010	<1	mg/L	8/03/95	11:00	CMC
Cadmium	SW-846 6010	<0.01	mg/L	8/03/95	11:00	CMC
Chromium	SW-846 6010	<0.05	mg/L	8/03/95	11:00	CMC
Lead	SW-846 6010	<0.1	mg/L	8/03/95	11:00	CMC
Mercury	SW-846 7471	<0.0002	mg/L	8/03/95	11:00	JGR
Selenium	SW-846 6010	<0.05	mg/L	8/15/95	15:58	CMP

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Mr. John Harris
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Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 7/25/95
Order No 9507-00531
Invoice No 000705
Cust # BD028
Sampled Date 7/19/95
Sampled Time 00:00

Permit No .
Cust P.O.

Subject: ECC Superfund Site

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
5 TCLP ECC-S-02						
Silver	SW-846 6010	<0.05	mg/L	8/10/95	11:00	JGR
Copper in Ext.	SW-846 6010	0.03	mg/L	8/10/95	10:35	CMC
Zinc in Ext.	SW-846 6010	<0.01	mg/L	8/10/95	10:44	CMC
TCLP Semivolatiles	SW-846 8270			8/04/95	22:58	ASV
o-Cresol		<0.04	mg/L	8/04/95	22:58	ASV
m-Cresol		<0.04	mg/L	8/04/95	22:58	ASV
p-Cresol		<0.04	mg/L	8/04/95	22:58	ASV
1,4-Dichlorobenzene		<0.04	mg/L	8/04/95	22:58	ASV
2,4-Dinitrotoluene		<0.04	mg/L	8/04/95	22:58	ASV
Hexachlorobenzene		<0.04	mg/L	8/04/95	22:58	ASV
Hexachlorobutadiene		<0.04	mg/L	8/04/95	22:58	ASV
Hexachloroethane		<0.04	mg/L	8/04/95	22:58	ASV
Nitrobenzene		<0.04	mg/L	8/04/95	22:58	ASV
Pentachlorophenol		<0.20	mg/L	8/04/95	22:58	ASV
Pyridine		<0.04	mg/L	8/04/95	22:58	ASV
2,4,5-Trichlorophenol		<0.20	mg/L	8/04/95	22:58	ASV
2,4,6-Trichlorophenol		<0.04	mg/L	8/04/95	22:58	ASV
TCLP Pesticides	SW-846 8080			8/04/95	13:19	TWC
Chlordane		<0.0001	mg/L	8/04/95	13:19	TWC
Endrin		<0.0002	mg/L	8/04/95	13:19	TWC
Heptachlor		<0.0001	mg/L	8/04/95	13:19	TWC
Heptachlor Epoxide		<0.00005	mg/L	8/04/95	13:19	TWC
Lindane		<0.00005	mg/L	8/04/95	13:19	TWC
Methoxychlor		<0.0005	mg/L	8/04/95	13:19	TWC
Toxaphene		<0.005	mg/L	8/04/95	13:19	TWC
TCLP Herbicides	SW-846 8150			8/04/95	13:17	TWS
2,4-D		<0.002	mg/L	8/04/95	13:17	TWS

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Mr. John Harris
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Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 7/25/95
Order No 9507-00531
Invoice No 000705
Cust # BD028
Sampled Date 7/19/95
Sampled Time 00:00

Permit No .
Cust P.O.

Subject: ECC Superfund Site

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
5 TCLP ECC-S-02						
2,4,5-TP (Silvex)		<0.001	mg/L	8/04/95	13:17	TWS
Date Extracted Semivolatile				8/04/95	9:37	GPM
Date Extracted Pesticide				8/03/95	13:50	GPM
Date Extracted Herbicide				8/03/95	13:49	GPM
6 ZHE ECC-S-02						
TCLP Volatiles	SW-846 8240			8/02/95	11:13	MSM
Benzene		<0.025	mg/L	8/02/95	11:13	MSM
Carbon Tetrachloride		<0.025	mg/L	8/02/95	11:13	MSM
Chlorobenzene		<0.025	mg/L	8/02/95	11:13	MSM
loroform		<0.025	mg/L	8/02/95	11:13	MSM
1,2-Dichloroethane		<0.025	mg/L	8/02/95	11:13	MSM
1,1-Dichloroethene		<0.025	mg/L	8/02/95	11:13	MSM
Methyl ethyl ketone		<0.500	mg/L	8/02/95	11:13	MSM
Tetrachloroethene		<0.025	mg/L	8/02/95	11:13	MSM
Trichloroethene		0.034	mg/L	8/02/95	11:13	MSM
Vinyl Chloride		<0.050	mg/L	8/02/95	11:13	MSM

Approved By: Dan S. Dan
Laboratory Director

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DOW ENVIRONMENTAL
Mr. John Harris
Penn Center West III
Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 8/03/95
Order No 9508-00058
Invoice No 000706
Cust # BD028
Sampled Date 8/02/95
Sampled Time 11:45

Permit No
Cust P.O.

Subject: ECC-Zionsville, IN - Decon Water Sample for Analysis

TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
1 Decon Water						
Corrosivity	SW846 7.2	NON		8/07/95	16:36	ADS
Ignitability	SW-846 1010	ONF	Degrees F	8/11/95	16:31	RDP
Reactivity				8/10/95	11:19	LLS
Reactive Cyanide	SW-846 7.3.3.2	<0.10	mg/L	8/10/95	11:19	LLS
Sulfide, Reactive	SW-846 7.3.4.2	<0.10	mg/L	8/10/95	11:19	LLS
PCBs	SW-846 8080			7/14/95	10:41	TWC
PCB-1016		<0.001	mg/L	7/14/95	10:41	TWC
PCB-1221		<0.001	mg/L	7/14/95	10:41	TWC
PCB-1232		<0.001	mg/L	7/14/95	10:41	TWC
PCB-1242		<0.001	mg/L	7/14/95	10:41	TWC
PCB-1248		<0.001	mg/L	7/14/95	10:41	TWC
8-1254		<0.001	mg/L	7/14/95	10:41	TWC
PCB-1260		<0.001	mg/L	7/14/95	10:41	TWC
Date Extracted PCB		8/7		8/07/95	15:33	GPM
TCLP Extract Preparation	EPA 1311	8/7/95		8/07/95	16:57	RDP
Zero Headspace Extraction	EPA 1311	8/7/95		8/07/95	16:56	RDP
2 TCLP of Water						
TCLP PH	SW-846 9040					
TCLP Metals				8/14/95	15:56	CMP
Arsenic	SW-846 6010	<0.05	mg/L	8/14/95	15:56	CMP
Barium	SW-846 6010	<1.0	mg/L	8/14/95	15:56	CMP
Cadmium	SW-846 6010	<0.01	mg/L	8/14/95	15:56	CMP
Chromium	SW-846 6010	<0.05	mg/L	8/14/95	15:56	CMP
Lead	SW-846 6010	<0.10	mg/L	8/14/95	15:56	CMP
Mercury	SW-846 7471	<0.0002	mg/L	8/10/95	15:56	GJR

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Mr. John Harris
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Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 8/03/95
Order No 9508-00058
Invoice No 000706
Cust # BD028
Sampled Date 8/02/95
Sampled Time 11:45

Permit No
Cust P.O.

Subject: ECC-Zionsville, IN - Decon Water Sample for Analysis

P	TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
2	TCLP of Water						
	Selenium	SW-846 6010	<0.05	mg/L	8/14/95	15:56	CNP
	Silver	SW-846 6010	<0.05	mg/L	8/10/95	15:56	JGR
	Copper	SW-846 6010	0.09	mg/L	8/14/95	15:56	CNP
	Zinc	SW-846 6010	<0.01	mg/L	8/14/95	15:56	CNP
	TCLP Semivolatiles	SW-846 8270			8/11/95	0:06	ASV
	o-Cresol		<0.04	mg/L	8/11/95	0:06	ASV
	m-Cresol		<0.04	mg/L	8/11/95	0:06	ASV
	p-Cresol		<0.04	mg/L	8/11/95	0:06	ASV
	1,4-Dichlorobenzene		<0.04	mg/L	8/11/95	0:06	ASV
	2,4-Dinitrotoluene		<0.04	mg/L	8/11/95	0:06	ASV
	Hexachlorobenzene		<0.04	mg/L	8/11/95	0:06	ASV
	Hexachlorobutadiene		<0.04	mg/L	8/11/95	0:06	ASV
	Hexachloroethane		<0.04	mg/L	8/11/95	0:06	ASV
	Nitrobenzene		<0.04	mg/L	8/11/95	0:06	ASV
	Pentachlorophenol		<0.20	mg/L	8/11/95	0:06	ASV
	Pyridine		<0.04	mg/L	8/11/95	0:06	ASV
	2,4,5-Trichlorophenol		<0.20	mg/L	8/11/95	0:06	ASV
	2,4,6-Trichlorophenol		<0.04	mg/L	8/11/95	0:06	ASV
	TCLP Pesticides	SW-846 8080			8/08/95	15:46	TWC
	Chlordane		<0.0001	mg/L	8/08/95	15:46	TWC
	Endrin		<0.0002	mg/L	8/08/95	15:46	TWC
	Heptachlor		<0.0001	mg/L	8/08/95	15:46	TWC
	Heptachlor Epoxide		<0.00005	mg/L	8/08/95	15:46	TWC
	Lindane		<0.00005	mg/L	8/08/95	15:46	TWC
	Methoxychlor		<0.0005	mg/L	8/08/95	15:46	TWC
	Toxaphene		<0.005	mg/L	8/08/95	15:46	TWC
	TCLP Herbicides	SW-846 8150			8/09/95	15:06	TWS

Certificate Of Analysis Continued On Next Page

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

Microbac

Microbac Laboratories, Inc.

Microbac Inc.-Pittsburgh Div.
100 Marshall Dr.
Warrendale PA 15086
(412)772-0610

AIR • FUEL • WATER • FOOD • WASTES

CERTIFICATE OF ANALYSIS

DOW ENVIRONMENTAL
Mr. John Harris
Penn Center West III
Suite 300
Pittsburgh PA 15276

Date Reported 8/17/95
Date Received 8/03/95
Order No 9508-00058
Invoice No 000706
Cust # BD028
Sampled Date 8/02/95
Sampled Time 11:45

Permit No
Cust P.O.

Subject: ECC-Zionsville, IN - Decon Water Sample for Analysis

P	TEST	METHOD	RESULT	UNITS	DATE	TIME	TECH
2	TCLP of Water						
	2,4-D		<1.0	mg/L	8/09/95	15:06	TWS
	2,4,5-TP (Silvex)		<0.5	mg/L	8/09/95	15:06	TWS
	Date Extracted Semivolatile				8/09/95	9:16	GPM
	Date Extracted Pesticide		8/7		8/07/95	15:32	GPM
	Date Extracted Herbicide		8/8		8/08/95	15:30	GPM
3	ZHE of Water						
	TCLP Volatiles	SW-846 8240			8/08/95	14:59	MSM
	Benzene		<0.025	mg/L	8/08/95	14:59	MSM
	Carbon Tetrachloride		<0.025	mg/L	8/08/95	14:59	MSM
	Chlorobenzene		<0.025	mg/L	8/08/95	14:59	MSM
	Chloroform		<0.025	mg/L	8/08/95	14:59	MSM
	1,2-Dichloroethane		<0.025	mg/L	8/08/95	14:59	MSM
	1,1-Dichloroethene		<0.025	mg/L	8/08/95	14:59	MSM
	Methyl ethyl ketone		<0.50	mg/L	8/08/95	14:59	MSM
	Tetrachloroethene		<0.025	mg/L	8/08/95	14:59	MSM
	Trichloroethene		<0.025	mg/L	8/08/95	14:59	MSM
	Vinyl Chloride		<0.05	mg/L	8/08/95	14:59	MSM

Approved By: Dan J. Dan
Laboratory Director

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