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Iowa DNR: 095
New Jersey DEP: IA001
Kansas DHE: E-10287

ANALYTICAL REPORT

October 23, 2003

Work Order: 13J0503

Report To

Diane Krueger
Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order Information

Date Received: 10/10/2003 11:35AM
Collector: Diane Krueger
Phone: (248) 344-0205
PO Number:

Project : Jefferson Barracks ANG
Project Number: Jefferson Barracks ANG

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-01 SB-5-0-4				Matrix:Soil		Collected: 10/09/03 09:00	
Determination of Volatile Organic Compounds							
Chloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Vinyl Chloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Bromomethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Chloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,1-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Acetone	**0.107 mg/kg dry**	**0.063**	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Carbon Disulfide	<0.006 mg/kg dry	0.006	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Methylene Chloride	<0.063 mg/kg dry	0.063	1J31519	EPA 8260B	TVK	10/11/03 8:05	
trans-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Methyl-t-butyl Ether (MTBE)	<0.003 mg/kg dry	0.003	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,1-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
cis-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
2-Butanone (MEK)	**0.018 mg/kg dry**	**0.006**	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Chloroform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,1,1-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Carbon Tetrachloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Benzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,2-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Trichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,2-Dichloropropane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Bromodichloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
cis-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
4-Methyl-2-pentanone (MIBK)	<0.006 mg/kg dry	0.006	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Toluene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
trans-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,1,2-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Tetrachloroethylene	**0.043 mg/kg dry**	**0.001**	1J31519	EPA 8260B	TVK	10/11/03 8:05	
2-Hexanone (MBK)	<0.006 mg/kg dry	0.006	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Dibromochloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Chlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Ethylbenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-01 SB-5-0-4				Matrix:Soil		Collected: 10/09/03 09:00	
Determination of Volatile Organic Compounds							
Xylenes, total	<0.003 mg/kg dry	0.003	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Bromoform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,1,2,2-Tetrachloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,3-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,4-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
1,2-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Naphthalene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:05	
Surrogate: Dibromofluoromethane	*107 %*			*68-136*	TVK	10/11/03 8:05	
Surrogate: 1,2-Dichloroethane-d4	*104 %*			*66-143*	TVK	10/11/03 8:05	
Surrogate: Toluene-d8	*105 %*			*72-131*	TVK	10/11/03 8:05	
Surrogate: 4-Bromofluorobenzene	*94.9 %*			*72-130*	TVK	10/11/03 8:05	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<5.0 mg/kg	5.0	1J32026	EPA 8015	JRF	10/21/03 19:32	
Surrogate: Chlorobenzene	*109 %*			*62.1-122*	JRF	10/21/03 19:32	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 2:54	
TEH, as #2 diesel fuel	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 2:54	
TEH, as waste oil	**12 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 2:54	
Total Extractable Hydrocarbons	**12 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 2:54	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Phenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Aniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Bis(2-Chloroethyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2-Chlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
1,3-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
1,4-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Benzyl Alcohol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
1,2-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
n-Nitroso-di-n-propylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Bis(2-Chloroisopropyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
(3 & 4)-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Hexachloroethane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Nitrobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Isophorone	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2-Nitrophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,4-Dimethylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Bis(2-Chloroethoxy) Methane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,4-Dichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
1,2,4-Trichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	

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Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-01 SB-5-0-4				Matrix:Soil		Collected: 10/09/03 09:00	
Determination of Base/Neutral/Acid Extractable Compounds							
Naphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4-Chloroaniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Hexachlorobutadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4-Chloro-3-methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2-Methylnaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Hexachlorocyclopentadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,4,6-Trichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,4,5-Trichlorophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2-Chloronaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Dimethylphthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Acenaphthylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,6-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
3-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Acenaphthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,4-Dinitrophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Dibenzofuran	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
2,4-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4-Nitrophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Diethyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Fluorene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4-Chlorophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4-Nitroaniline	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4,6-Dinitro-2-methylphenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 20:33	
N-Nitrosodiphenylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Azobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
4-Bromophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Hexachlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Pentachlorophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Phenanthrene	**0.63 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Di-n-butyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Fluoranthene	**0.70 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Benzidine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Pyrene	**0.53 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Butyl Benzyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
3,3'-Dichlorobenzidine	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Benzo(a)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Chrysene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Bis(2-Ethylhexyl) Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Di-n-octyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	

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Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-01 SB-5-0-4				Matrix:Soil		Collected: 10/09/03 09:00	
Determination of Base/Neutral/Acid Extractable Compounds							
Benzo(b)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Benzo(k)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Benzo(a)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Indeno(1,2,3-cd)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Dibenzo(a,h)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Benzo(g,h,i)perylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 20:33	
Surrogate: 2-Fluorophenol	*69.0 %*			*41-110*	EPP	10/22/03 20:33	
Surrogate: 2-Fluorobiphenyl	*91.4 %*			*54-111*	EPP	10/22/03 20:33	
Surrogate: 2,4,6-Tribromophenol	*61.7 %*			*67-139*	EPP	10/22/03 20:33	S-AC
Surrogate: Phenol-d6	*59.7 %*			*50-110*	EPP	10/22/03 20:33	
Surrogate: Terphenyl-dl4	*100 %*			*50-122*	EPP	10/22/03 20:33	
Surrogate: Nitrobenzene-d5	*84.7 %*			*50-110*	EPP	10/22/03 20:33	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Arochlor 1221	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Arochlor 1232	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Arochlor 1242	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Arochlor 1248	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Arochlor 1254	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Arochlor 1260	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 0:49	
Surrogate: Decachlorobiphenyl	*95.1 %*			*55-130*	EPP	10/23/03 0:49	
Determination of Physical/Conventional Chemistry Parameters							
% Solids	**81.9 %**	**0.1**	1J31033	% calculation	SNT	10/10/03 14:05	
Determination of Total Metals							
Barium, total	**168 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:16	
Silver, total	**0.9 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:16	
Arsenic, total	**7.1 mg/kg dry**	**1.2**	1J31506	EPA 6010B	RVV	10/15/03 14:16	
Cadmium, total	<0.6 mg/kg dry	0.6	1J31506	EPA 6010B	RVV	10/15/03 14:16	
Chromium, total	**13.4 mg/kg dry**	**1.8**	1J31506	EPA 6010B	RVV	10/15/03 14:16	
Lead, total	**26.0 mg/kg dry**	**3.0**	1J31506	EPA 6010B	RVV	10/15/03 14:16	
Mercury, total	<0.34 mg/kg dry	0.34	1J31422	EPA 7471A	MAQ	10/15/03 14:00	
Selenium, total	<1.2 mg/kg dry	1.2	1J31506	EPA 6010B	RVV	10/15/03 14:16	
13J0503-02 SB-5-8-10				Matrix:Soil		Collected: 10/09/03 09:10	
Determination of Volatile Organic Compounds							
Chloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Vinyl Chloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Bromomethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Chloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,1-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Acetone	<0.071 mg/kg dry	0.071	1J31519	EPA 8260B	TVK	10/11/03 8:44	

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41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-02 SB-5-8-10				Matrix:Soil		Collected: 10/09/03 09:10	
Determination of Volatile Organic Compounds							
Carbon Disulfide	**0.007 mg/kg dry**	**0.007**	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Methylene Chloride	<0.071 mg/kg dry	0.071	1J31519	EPA 8260B	TVK	10/11/03 8:44	
trans-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Methyl-t-butyl Ether (MTBE)	<0.003 mg/kg dry	0.003	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,1-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
cis-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
2-Butanone (MEK)	**0.007 mg/kg dry**	**0.007**	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Chloroform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,1,1-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Carbon Tetrachloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Benzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,2-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Trichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,2-Dichloropropane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Bromodichloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
cis-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
4-Methyl-2-pentanone (MIBK)	<0.007 mg/kg dry	0.007	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Toluene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
trans-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,1,2-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Tetrachloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
2-Hexanone (MBK)	<0.007 mg/kg dry	0.007	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Dibromochloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Chlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Ethylbenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Xylenes, total	<0.003 mg/kg dry	0.003	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Bromoform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,1,2,2-Tetrachloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,3-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,4-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
1,2-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Naphthalene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 8:44	
Surrogate: Dibromofluoromethane	*106 %*			*68-136*	TVK	10/11/03 8:44	
Surrogate: 1,2-Dichloroethane-d4	*105 %*			*66-143*	TVK	10/11/03 8:44	
Surrogate: Toluene-d8	*105 %*			*72-131*	TVK	10/11/03 8:44	
Surrogate: 4-Bromofluorobenzene	*99.6 %*			*72-130*	TVK	10/11/03 8:44	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<5.0 mg/kg	5.0	1J32026	EPA 8015	JRF	10/21/03 20:14	
Surrogate: Chlorobenzene	*104 %*			*62.1-122*	JRF	10/21/03 20:14	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 3:43	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-02 SB-5-8-10				Matrix:Soil		Collected: 10/09/03 09:10	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as #2 diesel fuel	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 3:43	
TEH, as waste oil	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 3:43	
Total Extractable Hydrocarbons	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 3:43	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Phenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Aniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Bis(2-Chloroethyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2-Chlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
1,3-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
1,4-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzyl Alcohol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
1,2-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
n-Nitroso-di-n-propylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Bis(2-Chloroisopropyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
(3 & 4)-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Hexachloroethane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Nitrobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Isophorone	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2-Nitrophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2,4-Dimethylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Bis(2-Chloroethoxy) Methane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2,4-Dichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
1,2,4-Trichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Naphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4-Chloroaniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Hexachlorobutadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4-Chloro-3-methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2-Methylnaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Hexachlorocyclopentadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2,4,6-Trichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2,4,5-Trichlorophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2-Chloronaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Dimethylphthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Acenaphthylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2,6-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
3-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Acenaphthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-02 SB-5-8-10				Matrix:Soil		Collected: 10/09/03 09:10	
Determination of Base/Neutral/Acid Extractable Compounds							
2,4-Dinitrophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Dibenzofuran	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
2,4-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4-Nitrophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Diethyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Fluorene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4-Chlorophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4-Nitroaniline	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4,6-Dinitro-2-methylphenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:08	
N-Nitrosodiphenylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Azobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
4-Bromophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Hexachlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Pentachlorophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Phenanthrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Di-n-butyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzidine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Butyl Benzyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
3,3'-Dichlorobenzidine	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzo(a)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Chrysene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Bis(2-Ethylhexyl) Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Di-n-octyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzo(b)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzo(k)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzo(a)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Indeno(1,2,3-cd)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Dibenzo(a,h)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Benzo(g,h,i)perylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:08	
Surrogate: 2-Fluorophenol	*52.8 %*			*41-110*	EPP	10/22/03 21:08	
Surrogate: 2-Fluorobiphenyl	*99.1 %*			*54-111*	EPP	10/22/03 21:08	
Surrogate: 2,4,6-Tribromophenol	*73.6 %*			*67-139*	EPP	10/22/03 21:08	
Surrogate: Phenol-d6	*54.0 %*			*50-110*	EPP	10/22/03 21:08	
Surrogate: Terphenyl-d14	*116 %*			*50-122*	EPP	10/22/03 21:08	
Surrogate: Nitrobenzene-d5	*85.4 %*			*50-110*	EPP	10/22/03 21:08	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	
Arochlor 1221	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-02 SB-5-8-10				Matrix:Soil		Collected: 10/09/03 09:10	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1232	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	
Arochlor 1242	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	
Arochlor 1248	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	
Arochlor 1254	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	
Arochlor 1260	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:19	
Surrogate: Decachlorobiphenyl	*105 %*			*55-130*	EPP	10/23/03 1:19	
Determination of Physical/Conventional Chemistry Parameters							
% Solids	**78.8 %**	**0.1**	1J31033	% calculation	SNT	10/10/03 14:05	
Determination of Total Metals							
Barium, total	**173 mg/kg dry**	**0.7**	1J31506	EPA 6010B	RVV	10/15/03 14:21	
Silver, total	**0.8 mg/kg dry**	**0.7**	1J31506	EPA 6010B	RVV	10/15/03 14:21	
Arsenic, total	**11.2 mg/kg dry**	**1.3**	1J31506	EPA 6010B	RVV	10/15/03 14:21	
Cadmium, total	<0.7 mg/kg dry	0.7	1J31506	EPA 6010B	RVV	10/15/03 14:21	
Chromium, total	**10.3 mg/kg dry**	**2.0**	1J31506	EPA 6010B	RVV	10/15/03 14:21	
Lead, total	**11.4 mg/kg dry**	**3.3**	1J31506	EPA 6010B	RVV	10/15/03 14:21	
Mercury, total	<0.23 mg/kg dry	0.23	1J31422	EPA 7471A	LKM	10/17/03 16:28	
Selenium, total	<1.3 mg/kg dry	1.3	1J31506	EPA 6010B	RVV	10/15/03 14:21	
13J0503-03 SB-4-0-8				Matrix:Soil		Collected: 10/09/03 09:30	
Determination of Volatile Organic Compounds							
Chloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Vinyl Chloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Bromomethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Chloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,1-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Acetone	**0.147 mg/kg dry**	**0.050**	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Carbon Disulfide	**0.016 mg/kg dry**	**0.005**	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Methylene Chloride	<0.050 mg/kg dry	0.050	1J31519	EPA 8260B	TVK	10/11/03 9:23	
trans-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Methyl-t-butyl Ether (MTBE)	<0.002 mg/kg dry	0.002	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,1-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
cis-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
2-Butanone (MEK)	**0.021 mg/kg dry**	**0.005**	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Chloroform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,1,1-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Carbon Tetrachloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Benzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,2-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Trichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,2-Dichloropropane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Bromodichloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-03 SB-4-0-8				Matrix:Soil		Collected: 10/09/03 09:30	
Determination of Volatile Organic Compounds							
cis-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
4-Methyl-2-pentanone (MIBK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Toluene	**0.002 mg/kg dry**	**0.001**	1J31519	EPA 8260B	TVK	10/11/03 9:23	
trans-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,1,2-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Tetrachloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
2-Hexanone (MBK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Dibromochloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Chlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Ethylbenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Xylenes, total	<0.002 mg/kg dry	0.002	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Bromoform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,1,2,2-Tetrachloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,3-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,4-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
1,2-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Naphthalene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 9:23	
Surrogate: Dibromofluoromethane	*107 %*			*68-136*	TVK	10/11/03 9:23	
Surrogate: 1,2-Dichloroethane-d4	*105 %*			*66-143*	TVK	10/11/03 9:23	
Surrogate: Toluene-d8	*104 %*			*72-131*	TVK	10/11/03 9:23	
Surrogate: 4-Bromofluorobenzene	*90.3 %*			*72-130*	TVK	10/11/03 9:23	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<5.0 mg/kg	5.0	1J32026	EPA 8015	JRF	10/21/03 20:56	
Surrogate: Chlorobenzene	*107 %*			*62.1-122*	JRF	10/21/03 20:56	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 4:31	
TEH, as #2 diesel fuel	**13 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 4:31	D-06
TEH, as waste oil	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 4:31	
Total Extractable Hydrocarbons	**13 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 4:31	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Phenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Aniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Bis(2-Chloroethyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2-Chlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
1,3-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
1,4-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzyl Alcohol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
1,2-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
n-Nitroso-di-n-propylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-03 SB-4-0-8				Matrix:Soil		Collected: 10/09/03 09:30	
Determination of Base/Neutral/Acid Extractable Compounds							
Bis(2-Chloroisopropyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
(3 & 4)-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Hexachloroethane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Nitrobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Isophorone	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2-Nitrophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,4-Dimethylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Bis(2-Chloroethoxy) Methane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,4-Dichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
1,2,4-Trichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Naphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4-Chloroaniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Hexachlorobutadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4-Chloro-3-methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2-Methylnaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Hexachlorocyclopentadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,4,6-Trichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,4,5-Trichlorophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2-Chloronaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Dimethylphthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Acenaphthylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,6-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
3-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Acenaphthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,4-Dinitrophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Dibenzofuran	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
2,4-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4-Nitrophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Diethyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Fluorene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4-Chlorophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4-Nitroaniline	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4,6-Dinitro-2-methylphenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 21:44	
N-Nitrosodiphenylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Azobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
4-Bromophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Hexachlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Pentachlorophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Phenanthrene	**0.34 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 21:44	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-03 SB-4-0-8				Matrix:Soil		Collected: 10/09/03 09:30	
Determination of Base/Neutral/Acid Extractable Compounds							
Anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Di-n-butyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Fluoranthene	**0.43 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzidine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Pyrene	**0.35 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Butyl Benzyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
3,3'-Dichlorobenzidine	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzo(a)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Chrysene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Bis(2-Ethylhexyl) Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Di-n-octyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzo(b)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzo(k)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzo(a)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Indeno(1,2,3-cd)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Dibenzo(a,h)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Benzo(g,h,i)perylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 21:44	
Surrogate: 2-Fluorophenol	*52.6 %*			*41-110*	EPP	10/22/03 21:44	
Surrogate: 2-Fluorobiphenyl	*101 %*			*54-111*	EPP	10/22/03 21:44	
Surrogate: 2,4,6-Tribromophenol	*54.3 %*			*67-139*	EPP	10/22/03 21:44	S-AC
Surrogate: Phenol-d6	*52.6 %*			*50-110*	EPP	10/22/03 21:44	
Surrogate: Terphenyl-d14	*107 %*			*50-122*	EPP	10/22/03 21:44	
Surrogate: Nitrobenzene-d5	*79.1 %*			*50-110*	EPP	10/22/03 21:44	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Arochlor 1221	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Arochlor 1232	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Arochlor 1242	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Arochlor 1248	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Arochlor 1254	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Arochlor 1260	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 1:49	
Surrogate: Decachlorobiphenyl	*82.1 %*			*55-130*	EPP	10/23/03 1:49	
Determination of Physical/Conventional Chemistry Parameters							
% Solids	**84.3 %**	**0.1**	1J31033	% calculation	SNT	10/10/03 14:05	
Determination of Total Metals							
Barium, total	**158 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:25	
Silver, total	**0.7 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:25	
Arsenic, total	**7.9 mg/kg dry**	**1.2**	1J31506	EPA 6010B	RVV	10/15/03 14:25	
Cadmium, total	**0.6 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:25	
Chromium, total	**14.3 mg/kg dry**	**1.8**	1J31506	EPA 6010B	RVV	10/15/03 14:25	
Lead, total	**90.7 mg/kg dry**	**3.0**	1J31506	EPA 6010B	RVV	10/15/03 14:25	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-03 SB-4-0-8				Matrix:Soil		Collected: 10/09/03 09:30	
Determination of Total Metals							
Mercury, total	<0.26 mg/kg dry	0.26	1J31422	EPA 7471A	LKM	10/17/03 16:28	
Selenium, total	<1.2 mg/kg dry	1.2	1J31506	EPA 6010B	RVV	10/15/03 14:25	
13J0503-04 SB-4-8-10				Matrix:Soil		Collected: 10/09/03 10:00	
Determination of Volatile Organic Compounds							
Chloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Vinyl Chloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Bromomethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Chloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,1-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Acetone	<0.050 mg/kg dry	0.050	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Carbon Disulfide	**0.005 mg/kg dry**	**0.005**	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Methylene Chloride	<0.050 mg/kg dry	0.050	1J31519	EPA 8260B	TVK	10/11/03 10:02	
trans-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Methyl-t-butyl Ether (MTBE)	<0.002 mg/kg dry	0.002	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,1-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
cis-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
2-Butanone (MEK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Chloroform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,1,1-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Carbon Tetrachloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Benzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,2-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Trichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,2-Dichloropropane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Bromodichloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
cis-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
4-Methyl-2-pentanone (MIBK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Toluene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
trans-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,1,2-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Tetrachloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
2-Hexanone (MBK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Dibromochloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Chlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Ethylbenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Xylenes, total	<0.002 mg/kg dry	0.002	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Bromoform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,1,2,2-Tetrachloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,3-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-04 SB-4-8-10				Matrix:Soil		Collected: 10/09/03 10:00	
Determination of Volatile Organic Compounds							
1,4-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
1,2-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Naphthalene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:02	
Surrogate: Dibromofluoromethane	*107 %*			*68-136*	TVK	10/11/03 10:02	
Surrogate: 1,2-Dichloroethane-d4	*105 %*			*66-143*	TVK	10/11/03 10:02	
Surrogate: Toluene-d8	*106 %*			*72-131*	TVK	10/11/03 10:02	
Surrogate: 4-Bromofluorobenzene	*101 %*			*72-130*	TVK	10/11/03 10:02	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<5.0 mg/kg	5.0	1J32026	EPA 8015	JRF	10/21/03 21:38	
Surrogate: Chlorobenzene	*107 %*			*62.1-122*	JRF	10/21/03 21:38	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 5:20	
TEH, as #2 diesel fuel	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 5:20	
TEH, as waste oil	**9 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 5:20	
Total Extractable Hydrocarbons	**9 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 5:20	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Phenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Aniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Bis(2-Chloroethyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2-Chlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
1,3-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
1,4-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzyl Alcohol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
1,2-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
n-Nitroso-di-n-propylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Bis(2-Chloroisopropyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
(3 & 4)-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Hexachloroethane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Nitrobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Isophorone	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2-Nitrophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,4-Dimethylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Bis(2-Chloroethoxy) Methane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,4-Dichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
1,2,4-Trichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Naphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4-Chloroaniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Hexachlorobutadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4-Chloro-3-methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-04 SB-4-8-10				Matrix:Soil		Collected: 10/09/03 10:00	
Determination of Base/Neutral/Acid Extractable Compounds							
2-Methylnaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Hexachlorocyclopentadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,4,6-Trichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,4,5-Trichlorophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2-Chloronaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Dimethylphthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Acenaphthylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,6-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
3-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Acenaphthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,4-Dinitrophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Dibenzofuran	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
2,4-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4-Nitrophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Diethyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Fluorene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4-Chlorophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4-Nitroaniline	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4,6-Dinitro-2-methylphenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:20	
N-Nitrosodiphenylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Azobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
4-Bromophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Hexachlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Pentachlorophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Phenanthrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Di-n-butyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzidine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Butyl Benzyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
3,3'-Dichlorobenzidine	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzo(a)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Chrysene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Bis(2-Ethylhexyl) Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Di-n-octyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzo(b)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzo(k)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzo(a)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-04 SB-4-8-10				Matrix:Soil	Collected: 10/09/03 10:00		
Determination of Base/Neutral/Acid Extractable Compounds							
Indeno(1,2,3-cd)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Dibenzo(a,h)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Benzo(g,h,i)perylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:20	
Surrogate: 2-Fluorophenol	*54.5 %*			*41-110*	EPP	10/22/03 22:20	
Surrogate: 2-Fluorobiphenyl	*110 %*			*54-111*	EPP	10/22/03 22:20	
Surrogate: 2,4,6-Tribromophenol	*66.7 %*			*67-139*	EPP	10/22/03 22:20	S-AC
Surrogate: Phenol-d6	*52.8 %*			*50-110*	EPP	10/22/03 22:20	
Surrogate: Terphenyl-dl4	*108 %*			*50-122*	EPP	10/22/03 22:20	
Surrogate: Nitrobenzene-d5	*75.0 %*			*50-110*	EPP	10/22/03 22:20	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Arochlor 1221	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Arochlor 1232	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Arochlor 1242	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Arochlor 1248	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Arochlor 1254	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Arochlor 1260	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:20	
Surrogate: Decachlorobiphenyl	*92.5 %*			*55-130*	EPP	10/23/03 2:20	
Determination of Physical/Conventional Chemistry Parameters							
% Solids	**77.3 %**	**0.1**	1J31033	% calculation	SNT	10/10/03 14:05	
Determination of Total Metals							
Barium, total	**189 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:52	
Silver, total	**0.9 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:52	
Arsenic, total	**11.5 mg/kg dry**	**1.2**	1J31506	EPA 6010B	RVV	10/15/03 14:52	
Cadmium, total	**0.6 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:52	
Chromium, total	**9.7 mg/kg dry**	**1.9**	1J31506	EPA 6010B	RVV	10/15/03 14:52	
Lead, total	**11.2 mg/kg dry**	**3.1**	1J31506	EPA 6010B	RVV	10/15/03 14:52	
Mercury, total	<0.28 mg/kg dry	0.28	1J31422	EPA 7471A	LKM	10/17/03 16:28	
Selenium, total	<1.2 mg/kg dry	1.2	1J31506	EPA 6010B	RVV	10/15/03 14:52	
13J0503-05 DUP-2				Matrix:Soil	Collected: 10/09/03 08:00		
Determination of Volatile Organic Compounds							
Chloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Vinyl Chloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Bromomethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Chloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,1-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Acetone	**0.102 mg/kg dry**	**0.050**	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Carbon Disulfide	**0.016 mg/kg dry**	**0.005**	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Methylene Chloride	<0.050 mg/kg dry	0.050	1J31519	EPA 8260B	TVK	10/11/03 10:41	
trans-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-05 DUP-2				Matrix:Soil		Collected: 10/09/03 08:00	
Determination of Volatile Organic Compounds							
Methyl-t-butyl Ether (MTBE)	<0.002 mg/kg dry	0.002	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,1-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
cis-1,2-Dichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
2-Butanone (MEK)	**0.015 mg/kg dry**	**0.005**	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Chloroform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,1,1-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Carbon Tetrachloride	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Benzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,2-Dichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Trichloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,2-Dichloropropane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Bromodichloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
cis-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
4-Methyl-2-pentanone (MIBK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Toluene	**0.002 mg/kg dry**	**0.001**	1J31519	EPA 8260B	TVK	10/11/03 10:41	
trans-1,3-Dichloropropene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,1,2-Trichloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Tetrachloroethylene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
2-Hexanone (MBK)	<0.005 mg/kg dry	0.005	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Dibromochloromethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Chlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Ethylbenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Xylenes, total	<0.002 mg/kg dry	0.002	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Bromoform	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,1,2,2-Tetrachloroethane	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,3-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,4-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
1,2-Dichlorobenzene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Naphthalene	<0.001 mg/kg dry	0.001	1J31519	EPA 8260B	TVK	10/11/03 10:41	
Surrogate: Dibromofluoromethane	*108 %*			*68-136*	TVK	10/11/03 10:41	
Surrogate: 1,2-Dichloroethane-d4	*106 %*			*66-143*	TVK	10/11/03 10:41	
Surrogate: Toluene-d8	*105 %*			*72-131*	TVK	10/11/03 10:41	
Surrogate: 4-Bromofluorobenzene	*95.0 %*			*72-130*	TVK	10/11/03 10:41	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<5.0 mg/kg	5.0	1J32026	EPA 8015	JRF	10/21/03 22:19	
Surrogate: Chlorobenzene	*107 %*			*62.1-122*	JRF	10/21/03 22:19	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	**11 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 6:09	
TEH, as #2 diesel fuel	<5 mg/kg	5	1J31428	EPA 8015	SMG	10/21/03 6:09	
TEH, as waste oil	**20 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 6:09	D-06
Total Extractable Hydrocarbons	**31 mg/kg**	**5**	1J31428	EPA 8015	SMG	10/21/03 6:09	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-05 DUP-2				Matrix:Soil		Collected: 10/09/03 08:00	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Phenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Aniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Bis(2-Chloroethyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2-Chlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
1,3-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
1,4-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzyl Alcohol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
1,2-Dichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
n-Nitroso-di-n-propylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Bis(2-Chloroisopropyl) Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
(3 & 4)-Methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Hexachloroethane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Nitrobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Isophorone	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2-Nitrophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,4-Dimethylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Bis(2-Chloroethoxy) Methane	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,4-Dichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
1,2,4-Trichlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Naphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4-Chloroaniline	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Hexachlorobutadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4-Chloro-3-methylphenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2-Methylnaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Hexachlorocyclopentadiene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,4,6-Trichlorophenol	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,4,5-Trichlorophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2-Chloronaphthalene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Dimethylphthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Acenaphthylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,6-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
3-Nitroaniline	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Acenaphthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,4-Dinitrophenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Dibenzofuran	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
2,4-Dinitrotoluene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4-Nitrophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:56	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-05 DUP-2				Matrix:Soil		Collected: 10/09/03 08:00	
Determination of Base/Neutral/Acid Extractable Compounds							
Diethyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Fluorene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4-Chlorophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4-Nitroaniline	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4,6-Dinitro-2-methylphenol	<1.65 mg/kg dry	1.65	1J31639	EPA 8270C	EPP	10/22/03 22:56	
N-Nitrosodiphenylamine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Azobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
4-Bromophenyl Phenyl Ether	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Hexachlorobenzene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Pentachlorophenol	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Phenanthrene	**1.70 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Di-n-butyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Fluoranthene	**1.76 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzidine	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Pyrene	**1.37 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Butyl Benzyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
3,3'-Dichlorobenzidine	<0.66 mg/kg dry	0.66	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzo(a)anthracene	**0.60 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Chrysene	**0.63 mg/kg dry**	**0.33**	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Bis(2-Ethylhexyl) Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Di-n-octyl Phthalate	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzo(b)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzo(k)Fluoranthene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzo(a)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Indeno(1,2,3-cd)Pyrene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Dibenzo(a,h)anthracene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Benzo(g,h,i)perylene	<0.33 mg/kg dry	0.33	1J31639	EPA 8270C	EPP	10/22/03 22:56	
Surrogate: 2-Fluorophenol	*54.7 %*			*41-110*	EPP	10/22/03 22:56	
Surrogate: 2-Fluorobiphenyl	*129 %*			*54-111*	EPP	10/22/03 22:56	S-04
Surrogate: 2,4,6-Tribromophenol	*64.2 %*			*67-139*	EPP	10/22/03 22:56	S-04
Surrogate: Phenol-d6	*49.0 %*			*50-110*	EPP	10/22/03 22:56	S-04
Surrogate: Terphenyl-d14	*122 %*			*50-122*	EPP	10/22/03 22:56	
Surrogate: Nitrobenzene-d5	*85.9 %*			*50-110*	EPP	10/22/03 22:56	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	
Arochlor 1221	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	
Arochlor 1232	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	
Arochlor 1242	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	
Arochlor 1248	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	
Arochlor 1254	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	

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Keystone LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

October 23, 2003

Work Order: 13J0503

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13J0503-05 DUP-2				Matrix:Soil		Collected: 10/09/03 08:00	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1260	<0.050 mg/kg dry	0.050	1J31730	EPA 8082	EPP	10/23/03 2:50	
Surrogate: Decachlorobiphenyl	*96.7 %*			*55-130*	EPP	10/23/03 2:50	
Determination of Physical/Conventional Chemistry Parameters							
% Solids	**87.1 %**	**0.1**	1J31033	% calculation	SNT	10/10/03 14:05	
Determination of Total Metals							
Barium, total	**151 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:56	
Silver, total	**0.7 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:56	
Arsenic, total	**8.7 mg/kg dry**	**1.3**	1J31506	EPA 6010B	RVV	10/15/03 14:56	
Cadmium, total	**0.6 mg/kg dry**	**0.6**	1J31506	EPA 6010B	RVV	10/15/03 14:56	
Chromium, total	**18.9 mg/kg dry**	**1.9**	1J31506	EPA 6010B	RVV	10/15/03 14:56	
Lead, total	**119 mg/kg dry**	**3.2**	1J31506	EPA 6010B	RVV	10/15/03 14:56	
Mercury, total	<0.24 mg/kg dry	0.24	1J31422	EPA 7471A	LKM	10/17/03 16:28	
Selenium, total	<1.3 mg/kg dry	1.3	1J31506	EPA 6010B	RVV	10/15/03 14:56	

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Volatile Organic Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31519 - EPA 5030B										
Blank (1J31519-BLK1)				Prepared & Analyzed: 10/10/03						
Chloromethane	ND	0.001	mg/kg wet							
Vinyl Chloride	ND	0.001	"							
Bromomethane	ND	0.001	"							
Chloroethane	ND	0.001	"							
1,1-Dichloroethylene	ND	0.001	"							
Acetone	ND	0.050	"							
Carbon Disulfide	ND	0.005	"							
Methylene Chloride	ND	0.050	"							
trans-1,2-Dichloroethylene	ND	0.001	"							
Methyl-t-butyl Ether (MTBE)	ND	0.002	"							
1,1-Dichloroethane	ND	0.001	"							
cis-1,2-Dichloroethylene	ND	0.001	"							
2-Butanone (MEK)	ND	0.005	"							
Chloroform	ND	0.001	"							
1,1,1-Trichloroethane	ND	0.001	"							
Carbon Tetrachloride	ND	0.001	"							
Benzene	ND	0.001	"							
1,2-Dichloroethane	ND	0.001	"							
Trichloroethylene	ND	0.001	"							
1,2-Dichloropropane	ND	0.001	"							
Bromodichloromethane	ND	0.001	"							
cis-1,3-Dichloropropene	ND	0.001	"							
4-Methyl-2-pentanone (MIBK)	ND	0.005	"							
Toluene	ND	0.001	"							
trans-1,3-Dichloropropene	ND	0.001	"							
1,1,2-Trichloroethane	ND	0.001	"							
Tetrachloroethylene	ND	0.001	"							
2-Hexanone (MBK)	ND	0.005	"							
Dibromochloromethane	ND	0.001	"							
Chlorobenzene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
Xylenes, total	ND	0.002	"							
Bromoform	ND	0.001	"							
1,1,2,2-Tetrachloroethane	ND	0.001	"							
1,3-Dichlorobenzene	ND	0.001	"							

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Volatile Organic Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31519 - EPA 5030B										
Blank (1J31519-BLK1)				Prepared & Analyzed: 10/10/03						
1,4-Dichlorobenzene	ND	0.001	mg/kg wet							
1,2-Dichlorobenzene	ND	0.001	"							
Naphthalene	ND	0.001	"							
Surrogate: Dibromofluoromethane	*50.00*		"	*50.00*		*100*	*68-136*			
Surrogate: 1,2-Dichloroethane-d4	*52.13*		"	*50.00*		*104*	*66-143*			
Surrogate: Toluene-d8	*52.42*		"	*50.20*		*104*	*72-131*			
Surrogate: 4-Bromofluorobenzene	*51.16*		"	*50.00*		*102*	*72-130*			
LCS (1J31519-BS1)				Prepared & Analyzed: 10/10/03						
Chloromethane	0.1187	0.001	mg/kg wet	0.1000		119	70-130			
Vinyl Chloride	0.0975	0.001	"	0.1000		97.5	70-130			
Bromomethane	0.1063	0.001	"	0.1000		106	70-130			
Chloroethane	0.0881	0.001	"	0.1000		88.1	70-130			
1,1-Dichloroethylene	0.0465	0.001	"	0.0500		93.0	70-130			
Acetone	0.2393	0.050	"	0.2320		103	70-130			
Carbon Disulfide	0.2133	0.005	"	0.2120		101	70-130			
Methylene Chloride	0.0515	0.050	"	0.0500		103	70-130			
trans-1,2-Dichloroethylene	0.0454	0.001	"	0.0500		90.8	70-130			
Methyl-t-butyl Ether (MTBE)	0.1988	0.002	"	0.1900		105	66-130			
1,1-Dichloroethane	0.0454	0.001	"	0.0500		90.8	70-130			
cis-1,2-Dichloroethylene	0.0456	0.001	"	0.0500		91.2	70-130			
2-Butanone (MEK)	0.2516	0.005	"	0.2340		108	70-130			
Chloroform	0.0455	0.001	"	0.0500		91.0	70-130			
1,1,1-Trichloroethane	0.0450	0.001	"	0.0500		90.0	70-130			
Carbon Tetrachloride	0.0453	0.001	"	0.0500		90.6	70-130			
Benzene	0.0455	0.001	"	0.0500		91.0	66-136			
1,2-Dichloroethane	0.0463	0.001	"	0.0500		92.6	69-135			
Trichloroethylene	0.0490	0.001	"	0.0500		98.0	70-130			
1,2-Dichloropropane	0.0455	0.001	"	0.0500		91.0	70-130			
Bromodichloromethane	0.0460	0.001	"	0.0500		92.0	70-130			
cis-1,3-Dichloropropene	0.0447	0.001	"	0.0500		89.4	70-130			
4-Methyl-2-pentanone (MIBK)	0.2338	0.005	"	0.2180		107	70-130			
Toluene	0.0443	0.001	"	0.0500		88.6	69-130			
trans-1,3-Dichloropropene	0.0447	0.001	"	0.0500		89.4	70-130			
1,1,2-Trichloroethane	0.0464	0.001	"	0.0500		92.8	70-130			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Volatile Organic Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31519 - EPA 5030B										
LCS (1J31519-BS1)				Prepared & Analyzed: 10/10/03						
Tetrachloroethylene	0.0446	0.001	mg/kg wet	0.0500		89.2	70-130			
2-Hexanone (MBK)	0.2378	0.005	"	0.2260		105	70-130			
Dibromochloromethane	0.0486	0.001	"	0.0500		97.2	70-130			
Chlorobenzene	0.0460	0.001	"	0.0500		92.0	70-130			
Ethylbenzene	0.0449	0.001	"	0.0500		89.8	67-133			
Xylenes, total	0.1351	0.002	"	0.1500		90.1	69-132			
Bromoform	0.0485	0.001	"	0.0500		97.0	70-130			
1,1,2,2-Tetrachloroethane	0.0413	0.001	"	0.0500		82.6	70-130			
1,3-Dichlorobenzene	0.0447	0.001	"	0.0500		89.4	70-130			
1,4-Dichlorobenzene	0.0447	0.001	"	0.0500		89.4	70-130			
1,2-Dichlorobenzene	0.0453	0.001	"	0.0500		90.6	70-130			
Naphthalene	0.0353	0.001	"	0.0500		70.6	64-123			
Surrogate: Dibromofluoromethane	*48.40*		"	*50.00*		*96.8*	*68-136*			
Surrogate: 1,2-Dichloroethane-d4	*50.69*		"	*50.00*		*101*	*66-143*			
Surrogate: Toluene-d8	*50.22*		"	*50.20*		*100*	*72-131*			
Surrogate: 4-Bromofluorobenzene	*51.00*		"	*50.00*		*102*	*72-130*			
Calibration Check (1J31519-CCV1)				Prepared & Analyzed: 10/10/03						
Chloromethane	0.1282	0.001	mg/kg wet	0.1000		128	70-130			
Vinyl Chloride	0.0977	0.001	"	0.1000		97.7	70-130			
Bromomethane	0.1026	0.001	"	0.1000		103	70-130			
Chloroethane	0.0890	0.001	"	0.1000		89.0	70-130			
1,1-Dichloroethylene	0.0493	0.001	"	0.0500		98.6	70-130			
Acetone	0.2245	0.050	"	0.2320		96.8	70-130			
Carbon Disulfide	0.2063	0.005	"	0.2120		97.3	70-130			
Methylene Chloride	0.0528	0.050	"	0.0500		106	70-130			
trans-1,2-Dichloroethylene	0.0493	0.001	"	0.0500		98.6	70-130			
Methyl-t-butyl Ether (MTBE)	0.1912	0.002	"	0.1900		101	70-130			
1,1-Dichloroethane	0.0489	0.001	"	0.0500		97.8	70-130			
cis-1,2-Dichloroethylene	0.0490	0.001	"	0.0500		98.0	70-130			
2-Butanone (MEK)	0.2315	0.005	"	0.2340		98.9	70-130			
Chloroform	0.0490	0.001	"	0.0500		98.0	70-130			
1,1,1-Trichloroethane	0.0479	0.001	"	0.0500		95.8	70-130			
Carbon Tetrachloride	0.0481	0.001	"	0.0500		96.2	70-130			
Benzene	0.0488	0.001	"	0.0500		97.6	70-130			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Determination of Volatile Organic Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31519 - EPA 5030B										
Calibration Check (1J31519-CCV1)				Prepared & Analyzed: 10/10/03						
1,2-Dichloroethane	0.0486	0.001	mg/kg wet	0.0500		97.2	70-130			
Trichloroethylene	0.0536	0.001	"	0.0500		107	70-130			
1,2-Dichloropropane	0.0483	0.001	"	0.0500		96.6	70-130			
Bromodichloromethane	0.0482	0.001	"	0.0500		96.4	70-130			
cis-1,3-Dichloropropene	0.0470	0.001	"	0.0500		94.0	70-130			
4-Methyl-2-pentanone (MIBK)	0.2164	0.005	"	0.2180		99.3	70-130			
Toluene	0.0478	0.001	"	0.0500		95.6	70-130			
trans-1,3-Dichloropropene	0.0470	0.001	"	0.0500		94.0	70-130			
1,1,2-Trichloroethane	0.0500	0.001	"	0.0500		100	70-130			
Tetrachloroethylene	0.0487	0.001	"	0.0500		97.4	70-130			
2-Hexanone (MBK)	0.2160	0.005	"	0.2260		95.6	70-130			
Dibromochloromethane	0.0498	0.001	"	0.0500		99.6	70-130			
Chlorobenzene	0.0489	0.001	"	0.0500		97.8	70-130			
Ethylbenzene	0.0484	0.001	"	0.0500		96.8	70-130			
Xylenes, total	0.1444	0.002	"	0.1500		96.3	70-130			
Bromoform	0.0498	0.001	"	0.0500		99.6	70-130			
1,1,2,2-Tetrachloroethane	0.0408	0.001	"	0.0500		81.6	70-130			
1,3-Dichlorobenzene	0.0493	0.001	"	0.0500		98.6	70-130			
1,4-Dichlorobenzene	0.0498	0.001	"	0.0500		99.6	70-130			
1,2-Dichlorobenzene	0.0497	0.001	"	0.0500		99.4	70-130			
Naphthalene	0.0342	0.001	"	0.0500		68.4	70-130			QR-06
Surrogate: Dibromofluoromethane	*46.92*		*"*	*50.00*		*93.8*	*68-136*			
Surrogate: 1,2-Dichloroethane-d4	*49.67*		*"*	*50.00*		*99.3*	*66-143*			
Surrogate: Toluene-d8	*49.76*		*"*	*50.20*		*99.1*	*72-131*			
Surrogate: 4-Bromofluorobenzene	*50.52*		*"*	*50.00*		*101*	*72-130*			
Matrix Spike (1J31519-MS1)		**Source: 13J0432-03**		Prepared: 10/10/03		Analyzed: 10/11/03				
1,1-Dichloroethylene	0.1245	0.002	mg/kg dry	0.1260	ND	98.8	67-148			
Benzene	0.1563	0.002	"	0.1532	ND	102	62-140			
Trichloroethylene	0.1287	0.002	"	0.1373	ND	93.7	62-136			
Toluene	0.1264	0.002	"	0.1344	ND	94.0	64-135			
Chlorobenzene	0.1362	0.002	"	0.1526	ND	89.3	62-134			
Surrogate: Dibromofluoromethane	*52.74*		*"*	*50.00*		*105*	*68-136*			
Surrogate: 1,2-Dichloroethane-d4	*51.87*		*"*	*50.00*		*104*	*66-143*			
Surrogate: Toluene-d8	*53.96*		*"*	*50.20*		*107*	*72-131*			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Volatile Organic Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31519 - EPA 5030B										
Matrix Spike (1J31519-MS1)		**Source: 13J0432-03**		Prepared: 10/10/03		Analyzed: 10/11/03				
Surrogate: 4-Bromofluorobenzene	*50.80*		*mg/kg dry*	*50.00*		*102*	*72-130*			
Matrix Spike Dup (1J31519-MSD1)		**Source: 13J0432-03**		Prepared: 10/10/03		Analyzed: 10/11/03				
1,1-Dichloroethylene	0.1487	0.002	mg/kg dry	0.1498	ND	99.3	67-148	17.7	27	
Benzene	0.1831	0.002	"	0.1821	ND	101	62-140	15.8	28	
Trichloroethylene	0.1509	0.002	"	0.1633	ND	92.4	62-136	15.9	28	
Toluene	0.1477	0.002	"	0.1598	ND	92.4	64-135	15.5	26	
Chlorobenzene	0.1608	0.002	"	0.1813	ND	88.7	62-134	16.6	25	
Surrogate: Dibromofluoromethane	*52.75*		"	*50.00*		*106*	*68-136*			
Surrogate: 1,2-Dichloroethane-d4	*51.17*		"	*50.00*		*102*	*66-143*			
Surrogate: Toluene-d8	*52.63*		"	*50.20*		*105*	*72-131*			
Surrogate: 4-Bromofluorobenzene	*50.64*		"	*50.00*		*101*	*72-130*			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

Determination of Volatile Petroleum Hydrocarbons - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J32026 - EPA 5030 Soil GC										
Blank (1J32026-BLK1)				Prepared: 10/20/03		Analyzed: 10/21/03				
TPH, as gasoline	ND	5.0	mg/kg							
Surrogate: Chlorobenzene	*12.44*		*"*	*11.58*		*107*	*62.1-122*			
LCS (1J32026-BS1)				Prepared: 10/20/03		Analyzed: 10/22/03				
Surrogate: Chlorobenzene	*12.49*		*mg/kg*	*11.58*		*108*	*62.1-122*			
Calibration Check (1J32026-CCV1)				Prepared: 10/20/03		Analyzed: 10/21/03				
Surrogate: Chlorobenzene	*9.19*		*mg/kg*	*11.58*		*79.4*	*62.1-122*			
Calibration Check (1J32026-CCV2)				Prepared: 10/20/03		Analyzed: 10/21/03				
TPH, as gasoline	112.0	5.0	mg/kg	106.8		105	80-120			
Surrogate: Chlorobenzene	*9.52*		*"*	*11.58*		*82.2*	*62.1-122*			
Calibration Check (1J32026-CCV3)				Prepared: 10/20/03		Analyzed: 10/22/03				
Surrogate: Chlorobenzene	*10.36*		*mg/kg*	*11.58*		*89.5*	*62.1-122*			
Calibration Check (1J32026-CCV4)				Prepared: 10/20/03		Analyzed: 10/22/03				
TPH, as gasoline	103.4	5.0	mg/kg	106.8		96.8	80-120			
Surrogate: Chlorobenzene	*11.85*		*"*	*11.58*		*102*	*62.1-122*			
Matrix Spike (1J32026-MS1)		**Source: 13J0835-04**		Prepared: 10/20/03		Analyzed: 10/22/03				
Surrogate: Chlorobenzene	*12.24*		*mg/kg*	*11.40*		*107*	*62.1-122*			
Matrix Spike Dup (1J32026-MSD1)		**Source: 13J0835-04**		Prepared: 10/20/03		Analyzed: 10/22/03				
Surrogate: Chlorobenzene	*12.30*		*mg/kg*	*11.42*		*108*	*62.1-122*			

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Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Extractable Petroleum Hydrocarbons - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31428 - 3545 OA-2 PFE										
Blank (1J31428-BLK1)				Prepared: 10/14/03		Analyzed: 10/20/03				
TEH, as gasoline	ND	5	mg/kg							
TEH, as #2 diesel fuel	ND	5	"							
TEH, as waste oil	ND	5	"							
Total Extractable Hydrocarbons	ND	5	"							
LCS (1J31428-BS1)				Prepared: 10/14/03		Analyzed: 10/21/03				
TEH, as #2 diesel fuel	382.8	5	mg/kg	512.4		74.7	70-130			
Calibration Check (1J31428-CCV1)				Prepared: 10/14/03		Analyzed: 10/20/03				
TEH, as gasoline	2087		mg/kg	2140		97.5	85-115			
TEH, as #2 diesel fuel	1884		"	2070		91.0	85-115			
TEH, as waste oil	1871		"	2040		91.7	85-115			
Calibration Check (1J31428-CCV2)				Prepared: 10/14/03		Analyzed: 10/21/03				
TEH, as gasoline	2206		mg/kg	2140		103	85-115			
TEH, as #2 diesel fuel	2034		"	2070		98.3	85-115			
TEH, as waste oil	1893		"	2040		92.8	85-115			
Matrix Spike (1J31428-MS1)		**Source: 13J0432-02**		Prepared: 10/14/03		Analyzed: 10/21/03				
TEH, as #2 diesel fuel	344.9	5	mg/kg	512.4	ND	67.3	56-101			
Matrix Spike Dup (1J31428-MSD1)		**Source: 13J0432-02**		Prepared: 10/14/03		Analyzed: 10/21/03				
TEH, as #2 diesel fuel	311.8	5	mg/kg	511.6	ND	60.9	56-101	10.1	18	

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Novi, MI 48375

Work Order: 13J0503

Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Blank (1J31639-BLK1)				Prepared: 10/16/03 Analyzed: 10/22/03						
N-Nitrosodimethylamine	ND	0.33	mg/kg wet							
Phenol	ND	0.33	"							
Aniline	ND	0.33	"							
Bis(2-Chloroethyl) Ether	ND	0.33	"							
2-Chlorophenol	ND	0.33	"							
1,3-Dichlorobenzene	ND	0.33	"							
1,4-Dichlorobenzene	ND	0.33	"							
Benzyl Alcohol	ND	0.33	"							
1,2-Dichlorobenzene	ND	0.33	"							
n-Nitroso-di-n-propylamine	ND	0.33	"							
2-Methylphenol	ND	0.33	"							
Bis(2-Chloroisopropyl) Ether	ND	0.33	"							
(3 & 4)-Methylphenol	ND	0.33	"							
Hexachloroethane	ND	0.33	"							
Nitrobenzene	ND	0.33	"							
Isophorone	ND	0.33	"							
2-Nitrophenol	ND	0.33	"							
2,4-Dimethylphenol	ND	0.33	"							
Bis(2-Chloroethoxy) Methane	ND	0.33	"							
2,4-Dichlorophenol	ND	0.33	"							
1,2,4-Trichlorobenzene	ND	0.33	"							
Naphthalene	ND	0.33	"							
4-Chloroaniline	ND	0.33	"							
Hexachlorobutadiene	ND	0.33	"							
4-Chloro-3-methylphenol	ND	0.33	"							
2-Methylnaphthalene	ND	0.33	"							
Hexachlorocyclopentadiene	ND	0.33	"							
2,4,6-Trichlorophenol	ND	0.33	"							
2,4,5-Trichlorophenol	ND	1.65	"							
2-Chloronaphthalene	ND	0.33	"							
2-Nitroaniline	ND	1.65	"							
Dimethylphthalate	ND	0.33	"							
Acenaphthylene	ND	0.33	"							
2,6-Dinitrotoluene	ND	0.33	"							
3-Nitroaniline	ND	1.65	"							

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Novi, MI 48375

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Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Blank (1J31639-BLK1)				Prepared: 10/16/03 Analyzed: 10/22/03						
Acenaphthene	ND	0.33	mg/kg wet							
2,4-Dinitrophenol	ND	1.65	"							
Dibenzofuran	ND	0.33	"							
2,4-Dinitrotoluene	ND	0.33	"							
4-Nitrophenol	ND	0.66	"							
Diethyl Phthalate	ND	0.33	"							
Fluorene	ND	0.33	"							
4-Chlorophenyl Phenyl Ether	ND	0.33	"							
4-Nitroaniline	ND	0.66	"							
4,6-Dinitro-2-methylphenol	ND	1.65	"							
N-Nitrosodiphenylamine	ND	0.33	"							
Azobenzene	ND	0.33	"							
4-Bromophenyl Phenyl Ether	ND	0.33	"							
Hexachlorobenzene	ND	0.33	"							
Pentachlorophenol	ND	0.66	"							
Phenanthrene	ND	0.33	"							
Anthracene	ND	0.33	"							
Di-n-butyl Phthalate	ND	0.33	"							
Fluoranthene	ND	0.33	"							
Benzidine	ND	0.33	"							
Pyrene	ND	0.33	"							
Butyl Benzyl Phthalate	ND	0.33	"							
3,3'-Dichlorobenzidine	ND	0.66	"							
Benzo(a)anthracene	ND	0.33	"							
Chrysene	ND	0.33	"							
Bis(2-Ethylhexyl) Phthalate	ND	0.33	"							
Di-n-octyl Phthalate	ND	0.33	"							
Benzo(b)Fluoranthene	ND	0.33	"							
Benzo(k)Fluoranthene	ND	0.33	"							
Benzo(a)Pyrene	ND	0.33	"							
Indeno(1,2,3-cd)Pyrene	ND	0.33	"							
Dibenzo(a,h)anthracene	ND	0.33	"							
Benzo(g,h,i)perylene	ND	0.33	"							
Surrogate: 2-Fluorophenol	*1.108*		*"*	*1.627*		*68.1*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.489*		*"*	*1.503*		*99.1*	*54-111*			

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Novi, MI 48375

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Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Blank (1J31639-BLK1)				Prepared: 10/16/03		Analyzed: 10/22/03				
Surrogate: 2,4,6-Tribromophenol	*0.987*		*mg/kg wet*	*1.530*		*64.5*	*67-139*			*S-A*
Surrogate: Phenol-d6	*1.063*		*"*	*1.513*		*70.3*	*50-110*			
Surrogate: Terphenyl-dl4	*1.362*		*"*	*1.503*		*90.6*	*50-122*			
Surrogate: Nitrobenzene-d5	*1.153*		*"*	*1.538*		*75.0*	*50-110*			
LCS (1J31639-BS1)				Prepared: 10/16/03		Analyzed: 10/22/03				
Phenol	1.390	0.33	mg/kg wet	1.713		81.1	60-140			
2-Chlorophenol	1.296	0.33	"	1.667		77.7	60-140			
1,4-Dichlorobenzene	1.310	0.33	"	1.680		78.0	60-140			
n-Nitroso-di-n-propylamine	1.258	0.33	"	1.667		75.5	64-113			
(3 & 4)-Methylphenol	1.414	0.33	"	1.660		85.2	60-140			
Nitrobenzene	1.384	0.33	"	1.813		76.3	60-140			
2-Nitrophenol	1.258	0.33	"	1.732		72.6	60-140			
4-Chloro-3-methylphenol	1.324	0.33	"	1.693		78.2	60-140			
Dimethylphthalate	1.630	0.33	"	1.787		91.2	60-140			
2,6-Dinitrotoluene	1.492	0.33	"	1.753		85.1	72-110			
Diethyl Phthalate	1.525	0.33	"	1.780		85.7	72-128			
4,6-Dinitro-2-methylphenol	1.473	1.65	"	1.753		84.0	60-140			
Pentachlorophenol	1.640	0.66	"	1.740		94.3	60-140			
Phenanthrene	1.605	0.33	"	1.667		96.3	60-140			
Anthracene	1.240	0.33	"	1.687		73.5	60-140			
Di-n-butyl Phthalate	1.705	0.33	"	1.773		96.2	60-140			
Fluoranthene	1.482	0.33	"	1.693		87.5	60-140			
Pyrene	1.113	0.33	"	1.740		64.0	60-140			
Surrogate: 2-Fluorophenol	*1.124*		*"*	*1.627*		*69.1*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.354*		*"*	*1.503*		*90.1*	*54-111*			
Surrogate: 2,4,6-Tribromophenol	*1.390*		*"*	*1.530*		*90.8*	*67-139*			
Surrogate: Phenol-d6	*1.167*		*"*	*1.513*		*77.1*	*50-110*			
Surrogate: Terphenyl-dl4	*1.197*		*"*	*1.503*		*79.6*	*50-122*			
Surrogate: Nitrobenzene-d5	*1.056*		*"*	*1.538*		*68.7*	*50-110*			

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Novi, MI 48375

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Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Calibration Check (1J31639-CCV1)				Prepared: 10/16/03		Analyzed: 10/22/03				
N-Nitrosodimethylamine	45.34		mg/kg wet	42.00		108	80-120			
Phenol	47.38		"	42.00		113	80-120			
Aniline	41.62		"	42.00		99.1	80-120			
Bis(2-Chloroethyl) Ether	45.58		"	42.00		109	80-120			
2-Chlorophenol	42.44		"	42.00		101	80-120			
1,3-Dichlorobenzene	44.88		"	42.00		107	80-120			
1,4-Dichlorobenzene	43.30		"	42.00		103	80-120			
Benzyl Alcohol	44.81		"	42.00		107	80-120			
1,2-Dichlorobenzene	46.46		"	42.40		110	80-120			
n-Nitroso-di-n-propylamine	45.29		"	42.00		108	80-120			
2-Methylphenol	45.27		"	42.00		108	80-120			
Bis(2-Chloroisopropyl) Ether	43.65		"	42.00		104	80-120			
(3 & 4)-Methylphenol	42.18		"	42.00		100	80-120			
Hexachloroethane	44.04		"	42.00		105	80-120			
Nitrobenzene	45.49		"	42.00		108	80-120			
Isophorone	44.42		"	42.00		106	80-120			
2-Nitrophenol	43.37		"	42.20		103	80-120			
2,4-Dimethylphenol	43.33		"	42.00		103	80-120			
Bis(2-Chloroethoxy) Methane	45.41		"	42.00		108	80-120			
2,4-Dichlorophenol	45.69		"	42.00		109	80-120			
1,2,4-Trichlorobenzene	43.32		"	42.00		103	80-120			
Naphthalene	44.02		"	42.00		105	80-120			
4-Chloroaniline	47.16		"	42.00		112	80-120			
Hexachlorobutadiene	43.81		"	42.00		104	80-120			
4-Chloro-3-methylphenol	44.55		"	42.00		106	80-120			
2-Methylnaphthalene	44.05		"	42.00		105	80-120			
Hexachlorocyclopentadiene	44.05		"	42.40		104	80-120			
2,4,6-Trichlorophenol	44.53		"	42.00		106	80-120			
2,4,5-Trichlorophenol	43.46		"	42.20		103	80-120			
2-Chloronaphthalene	46.58		"	42.00		111	80-120			
2-Nitroaniline	43.78		"	42.10		104	80-120			
Dimethylphthalate	45.98		"	42.00		109	80-120			
Acenaphthylene	48.21		"	42.00		115	80-120			
2,6-Dinitrotoluene	43.82		"	42.00		104	80-120			
3-Nitroaniline	45.73		"	42.00		109	80-120			

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41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Calibration Check (1J31639-CCV1)				Prepared: 10/16/03		Analyzed: 10/22/03				
Acenaphthene	47.06		mg/kg wet	42.00		112	80-120			
2,4-Dinitrophenol	42.84		"	42.00		102	80-120			
Dibenzofuran	46.20		"	42.00		110	80-120			
2,4-Dinitrotoluene	44.80		"	42.00		107	80-120			
4-Nitrophenol	43.94		"	42.20		104	80-120			
Diethyl Phthalate	47.93		"	42.00		114	80-120			
Fluorene	45.90		"	42.00		109	80-120			
4-Chlorophenyl Phenyl Ether	45.09		"	42.00		107	80-120			
4-Nitroaniline	43.92		"	42.00		105	80-120			
4,6-Dinitro-2-methylphenol	39.41		"	42.20		93.4	80-120			
N-Nitrosodiphenylamine	41.00		"	42.10		97.4	80-120			
Azobenzene	40.21		"	42.00		95.7	80-120			
4-Bromophenyl Phenyl Ether	41.09		"	42.00		97.8	80-120			
Hexachlorobenzene	40.22		"	42.00		95.8	80-120			
Pentachlorophenol	39.03		"	42.20		92.5	80-120			
Phenanthrene	43.43		"	42.00		103	80-120			
Anthracene	44.41		"	42.00		106	80-120			
Di-n-butyl Phthalate	46.41		"	42.00		110	80-120			
Fluoranthene	44.66		"	42.00		106	80-120			
Pyrene	37.88		"	42.00		90.2	80-120			
Butyl Benzyl Phthalate	40.85		"	42.00		97.3	80-120			
Benzo(a)anthracene	45.01		"	42.00		107	80-120			
Chrysene	43.57		"	42.00		104	80-120			
Bis(2-Ethylhexyl) Phthalate	39.06		"	42.00		93.0	80-120			
Di-n-octyl Phthalate	39.23		"	42.10		93.2	80-120			
Benzo(b)Fluoranthene	43.47		"	42.00		104	80-120			
Benzo(k)Fluoranthene	39.18		"	42.00		93.3	80-120			
Benzo(a)Pyrene	43.63		"	42.00		104	80-120			
Indeno(1,2,3-cd)Pyrene	45.70		"	42.00		109	80-120			
Dibenzo(a,h)anthracene	43.59		"	42.00		104	80-120			
Benzo(g,h,i)perylene	43.03		"	42.00		102	80-120			

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Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Matrix Spike (1J31639-MS1)		**Source: 13J0432-02**		Prepared: 10/16/03	Analyzed: 10/22/03					
Phenol	1.171	0.33	mg/kg dry	2.109	ND	55.5	60-140			QM-05
2-Chlorophenol	1.472	0.33	"	2.051	ND	71.8	60-140			
1,4-Dichlorobenzene	1.538	0.33	"	2.068	ND	74.4	60-140			
n-Nitroso-di-n-propylamine	1.221	0.33	"	2.051	ND	59.5	67-110			QM-05
(3 & 4)-Methylphenol	1.016	0.33	"	2.043	ND	49.7	60-140			QM-05
Nitrobenzene	1.810	0.33	"	2.232	ND	81.1	60-140			
2-Nitrophenol	1.680	0.33	"	2.131	ND	78.8	60-140			
4-Chloro-3-methylphenol	1.501	0.33	"	2.084	ND	72.0	60-140			
Dimethylphthalate	1.349	0.33	"	2.199	ND	61.3	60-140			
2,6-Dinitrotoluene	1.556	0.33	"	2.158	ND	72.1	71-113			
Diethyl Phthalate	1.250	0.33	"	2.191	ND	57.1	69-129			QM-05
4,6-Dinitro-2-methylphenol	1.929	1.65	"	2.158	ND	89.4	60-140			
Pentachlorophenol	1.984	0.66	"	2.141	ND	92.7	60-140			
Phenanthrene	2.025	0.33	"	2.051	ND	98.7	60-140			
Anthracene	1.321	0.33	"	2.076	ND	63.6	60-140			
Di-n-butyl Phthalate	1.966	0.33	"	2.182	ND	90.1	60-140			
Fluoranthene	1.827	0.33	"	2.084	ND	87.7	60-140			
Pyrene	1.331	0.33	"	2.141	ND	62.2	34.5-129			
Surrogate: 2-Fluorophenol	*1.255*		"	*2.002*		*62.7*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.487*		"	*1.850*		*80.4*	*54-111*			
Surrogate: 2,4,6-Tribromophenol	*1.328*		"	*1.883*		*70.5*	*67-139*			
Surrogate: Phenol-d6	*0.707*		"	*1.862*		*38.0*	*50-110*			*S-(*
Surrogate: Terphenyl-d14	*2.616*		"	*1.850*		*141*	*50-122*			*S-E*
Surrogate: Nitrobenzene-d5	*1.351*		"	*1.893*		*71.4*	*50-110*			
Matrix Spike Dup (1J31639-MSD1)		**Source: 13J0432-02**		Prepared: 10/16/03	Analyzed: 10/23/03					
Phenol	1.622	0.33	mg/kg dry	2.109	ND	76.9	60-140	32.3	40	
2-Chlorophenol	1.558	0.33	"	2.051	ND	76.0	60-140	5.68	40	
1,4-Dichlorobenzene	1.737	0.33	"	2.068	ND	84.0	60-140	12.2	40	
n-Nitroso-di-n-propylamine	1.833	0.33	"	2.051	ND	89.4	67-110	40.1	22	QM-05
(3 & 4)-Methylphenol	1.177	0.33	"	2.043	ND	57.6	60-140	14.7	40	QM-05
Nitrobenzene	1.994	0.33	"	2.232	ND	89.3	60-140	9.67	40	
2-Nitrophenol	1.696	0.33	"	2.131	ND	79.6	60-140	0.948	40	
4-Chloro-3-methylphenol	1.723	0.33	"	2.084	ND	82.7	60-140	13.8	40	
Dimethylphthalate	2.339	0.33	"	2.199	ND	106	60-140	53.7	40	QM-05

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Matrix Spike Dup (1J31639-MSD1)		**Source: 13J0432-02**		Prepared: 10/16/03		Analyzed: 10/23/03				
2,6-Dinitrotoluene	2.178	0.33	mg/kg dry	2.158	ND	101	71-113	33.3	11	QM-05
Diethyl Phthalate	2.531	0.33	"	2.191	ND	116	69-129	67.8	18	QM-05
4,6-Dinitro-2-methylphenol	2.018	1.65	"	2.158	ND	93.5	60-140	4.51	40	
Pentachlorophenol	2.011	0.66	"	2.141	ND	93.9	60-140	1.35	40	
Phenanthrene	2.134	0.33	"	2.051	ND	104	60-140	5.24	40	
Anthracene	1.557	0.33	"	2.076	ND	75.0	60-140	16.4	40	
Di-n-butyl Phthalate	2.408	0.33	"	2.182	ND	110	60-140	20.2	40	
Fluoranthene	1.997	0.33	"	2.084	ND	95.8	60-140	8.89	40	
Pyrene	2.337	0.33	"	2.141	ND	109	34.5-129	54.9	22.9	QM-05
Surrogate: 2-Fluorophenol	*1.198*		"	*2.002*		*59.8*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*2.025*		"	*1.850*		*109*	*54-111*			
Surrogate: 2,4,6-Tribromophenol	*1.547*		"	*1.883*		*82.2*	*67-139*			
Surrogate: Phenol-d6	*1.264*		"	*1.862*		*67.9*	*50-110*			
Surrogate: Terphenyl-d14	*2.502*		"	*1.850*		*135*	*50-122*			*S-E*
Surrogate: Nitrobenzene-d5	*1.420*		"	*1.893*		*75.0*	*50-110*			
Reference (1J31639-SRM1)				Prepared: 10/16/03		Analyzed: 10/22/03				
Phenol	1.594	0.33	mg/kg wet	1.717		92.8	70-130			
2-Chlorophenol	1.427	0.33	"	1.667		85.6	70-130			
1,4-Dichlorobenzene	1.572	0.33	"	1.683		93.4	70-130			
n-Nitroso-di-n-propylamine	1.463	0.33	"	1.667		87.8	70-130			
(3 & 4)-Methylphenol	1.562	0.33	"	1.660		94.1	70-130			
Nitrobenzene	1.787	0.33	"	1.817		98.3	70-130			
2-Nitrophenol	1.871	0.33	"	1.733		108	70-130			
4-Chloro-3-methylphenol	1.645	0.33	"	1.700		96.8	70-130			
Dimethylphthalate	1.692	0.33	"	1.783		94.9	70-130			
2,6-Dinitrotoluene	1.549	0.33	"	1.750		88.5	70-130			
Diethyl Phthalate	1.677	0.33	"	1.783		94.1	70-130			
4,6-Dinitro-2-methylphenol	1.576	1.65	"	1.750		90.1	70-130			
Pentachlorophenol	1.771	0.66	"	1.733		102	70-130			
Phenanthrene	1.608	0.33	"	1.667		96.5	70-130			
Anthracene	1.582	0.33	"	1.683		94.0	70-130			
Di-n-butyl Phthalate	1.594	0.33	"	1.767		90.2	70-130			
Fluoranthene	1.534	0.33	"	1.700		90.2	70-130			
Pyrene	1.145	0.33	"	1.733		66.1	70-130			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31639 - 3545 BNA PFE										
Reference (1J31639-SRM1)				Prepared: 10/16/03 Analyzed: 10/22/03						
Surrogate: 2-Fluorophenol	*1.452*		*mg/kg wet*	*1.627*		*89.2*	*70-130*			
Surrogate: 2-Fluorobiphenyl	*1.615*		*"*	*1.503*		*107*	*70-130*			
Surrogate: 2,4,6-Tribromophenol	*1.559*		*"*	*1.530*		*102*	*70-130*			
Surrogate: Phenol-d6	*1.412*		*"*	*1.513*		*93.3*	*70-130*			
Surrogate: Terphenyl-dl4	*1.144*		*"*	*1.503*		*76.1*	*70-130*			
Surrogate: Nitrobenzene-d5	*1.496*		*"*	*1.538*		*97.3*	*70-130*			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Polychlorinated Biphenyls (PCB) - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31730 - 3545 NP/OC PFE										
Blank (1J31730-BLK1)				Prepared: 10/17/03		Analyzed: 10/22/03				
Arochlor 1016	ND	0.050	mg/kg wet							
Arochlor 1221	ND	0.050	"							
Arochlor 1232	ND	0.050	"							
Arochlor 1242	ND	0.050	"							
Arochlor 1248	ND	0.050	"							
Arochlor 1254	ND	0.050	"							
Arochlor 1260	ND	0.050	"							
Surrogate: Decachlorobiphenyl	*0.0322*		"	*0.0321*		*100*	*55-130*			
LCS (1J31730-BS1)				Prepared: 10/17/03		Analyzed: 10/23/03				
Arochlor 1016	0.088	0.050	mg/kg wet	0.0933		94.3	60-140			
Arochlor 1260	0.101	0.050	"	0.0933		108	74-141			
Surrogate: Decachlorobiphenyl	*0.0360*		"	*0.0321*		*112*	*55-130*			
Matrix Spike (1J31730-MS1)		**Source: 13J0432-06**		Prepared: 10/17/03		Analyzed: 10/23/03				
Arochlor 1016	0.089	0.050	mg/kg dry	0.118	ND	75.4	60-140			
Arochlor 1260	0.106	0.050	"	0.118	ND	89.8	67-137			
Surrogate: Decachlorobiphenyl	*0.0355*		"	*0.0406*		*87.4*	*55-130*			
Matrix Spike Dup (1J31730-MSD1)		**Source: 13J0432-06**		Prepared: 10/17/03		Analyzed: 10/23/03				
Arochlor 1016	0.099	0.050	mg/kg dry	0.118	ND	83.9	60-140	10.6	30	
Arochlor 1260	0.115	0.050	"	0.118	ND	97.5	67-137	8.14	24	
Surrogate: Decachlorobiphenyl	*0.0382*		"	*0.0406*		*94.1*	*55-130*			
Reference (1J31730-SRM1)				Prepared: 10/17/03		Analyzed: 10/23/03				
Arochlor 1016	0.105	0.050	mg/kg wet	0.0933		113	70-130			
Arochlor 1260	0.105	0.050	"	0.0933		113	70-130			
Surrogate: Decachlorobiphenyl	*0.0347*		"	*0.0321*		*108*	*55-130*			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

Determination of Total Metals - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31422 - EPA 7471A Hg Solid										
Blank (1J31422-BLK1)				Prepared: 10/14/03		Analyzed: 10/15/03				
Mercury, total	ND	0.0005	mg/kg wet							
LCS (1J31422-BS1)				Prepared: 10/14/03		Analyzed: 10/15/03				
Mercury, total	0.0022	0.0005	mg/kg wet	0.00200		110	79-118			
LCS (1J31422-BS2)				Prepared: 10/14/03		Analyzed: 10/15/03				
Mercury, total	0.0023	0.0005	mg/kg wet	0.00200		115	79-118			
LCS (1J31422-BS3)				Prepared: 10/14/03		Analyzed: 10/17/03				
Mercury, total	2.27	0.50	mg/kg wet	2.00		114	79-118			
LCS (1J31422-BS4)				Prepared: 10/14/03		Analyzed: 10/17/03				
Mercury, total	2.33	0.50	mg/kg wet	2.00		116	79-118			
Matrix Spike (1J31422-MS1)		**Source: 13J0503-01**		Prepared: 10/14/03		Analyzed: 10/15/03				
Mercury, total	1.56	0.30	mg/kg dry	1.22	0.14	116	64-138			
Matrix Spike Dup (1J31422-MSD1)		**Source: 13J0503-01**		Prepared: 10/14/03		Analyzed: 10/15/03				
Mercury, total	1.49	0.29	mg/kg dry	1.16	0.14	116	64-138	4.59	27	
Batch 1J31506 - EPA 3050B Solid Dig										
Blank (1J31506-BLK1)				Prepared & Analyzed: 10/15/03						
Barium, total	ND	0.01	mg/kg wet							
Silver, total	ND	0.01	"							
Arsenic, total	ND	0.02	"							
Cadmium, total	ND	0.01	"							
Chromium, total	ND	0.03	"							
Lead, total	ND	0.05	"							
Selenium, total	ND	0.02	"							

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Montgomery Watson Harza-MI
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Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Determination of Total Metals - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31506 - EPA 3050B Solid Dig										
LCS (1J31506-BS1)				Prepared & Analyzed: 10/15/03						
Barium, total	2.03	0.01	mg/kg wet	2.00		102	90-111			
Silver, total	1.88	0.01	"	2.00		94.0	85-112			
Arsenic, total	1.9	0.02	"	2.00		95.0	85-110			
Cadmium, total	1.9	0.01	"	2.00		95.0	90-110			
Chromium, total	2.00	0.03	"	2.00		100	90-110			
Lead, total	2.0	0.05	"	2.00		100	80-108			
Selenium, total	1.6	0.02	"	2.00		80.0	66-101			
Calibration Check (1J31506-CCV1)				Prepared & Analyzed: 10/15/03						
Barium, total	1.07		mg/kg wet	1.00		107	85-115			
Silver, total	1.01		"	1.00		101	85-115			
Arsenic, total	1.1		"	1.00		110	85-115			
Cadmium, total	1.0		"	1.00		100	85-115			
Chromium, total	1.05		"	1.00		105	85-115			
Lead, total	1.1		"	1.00		110	85-115			
Selenium, total	1.1		"	1.00		110	85-115			
Calibration Check (1J31506-CCV2)				Prepared & Analyzed: 10/15/03						
Barium, total	1.08		mg/kg wet	1.00		108	85-115			
Silver, total	1.02		"	1.00		102	85-115			
Arsenic, total	1.1		"	1.00		110	85-115			
Cadmium, total	1.1		"	1.00		110	85-115			
Chromium, total	1.06		"	1.00		106	85-115			
Lead, total	1.1		"	1.00		110	85-115			
Selenium, total	1.1		"	1.00		110	85-115			
Matrix Spike (1J31506-MS1)		**Source: 13J0503-03**		Prepared & Analyzed: 10/15/03						
Barium, total	318	0.6	mg/kg dry	150	158	107	72-120			
Silver, total	129	0.6	"	150	0.7	85.5	65-116			
Arsenic, total	139	1.3	"	150	7.9	87.4	71-115			
Cadmium, total	122	0.6	"	150	0.6	80.9	70-110			
Chromium, total	142	1.9	"	150	14.3	85.1	69-115			
Lead, total	193	3.2	"	150	90.7	68.2	70-110			QM-14
Selenium, total	120	1.3	"	150	ND	80.0	66-103			

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

Determination of Total Metals - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J31506 - EPA 3050B Solid Dig										
Matrix Spike Dup (1J31506-MSD1)		**Source: 13J0503-03**		Prepared & Analyzed: 10/15/03						
Barium, total	290	0.6	mg/kg dry	152	158	86.8	72-120	9.21	22	
Silver, total	132	0.6	"	152	0.7	86.4	65-116	2.30	18	
Arsenic, total	145	1.3	"	152	7.9	90.2	71-115	4.23	12	
Cadmium, total	127	0.6	"	152	0.6	83.2	70-110	4.02	11	
Chromium, total	147	1.9	"	152	14.3	87.3	69-115	3.46	10	
Lead, total	189	3.2	"	152	90.7	64.7	70-110	2.09	16	QM-14
Selenium, total	124	1.3	"	152	ND	81.6	66-103	3.28	12	
Post Spike (1J31506-PS1)		**Source: 13J0503-03**		Prepared & Analyzed: 10/15/03						
Barium, total	275	0.6	mg/kg dry	145	158	80.7	66-110			
Silver, total	126	0.6	"	145	0.7	86.4	65-115			
Arsenic, total	133	1.2	"	145	7.9	86.3	72-110			
Cadmium, total	117	0.6	"	145	0.6	80.3	68-110			
Chromium, total	134	1.8	"	145	14.3	82.6	68-110			
Lead, total	215	3.0	"	145	90.7	85.7	70-110			
Selenium, total	117	1.2	"	145	ND	80.7	66-103			
Reference (1J31506-SRM1)				Prepared & Analyzed: 10/15/03						
Barium, total	0.538		mg/kg wet	0.500		108	85-115			
Silver, total	0.522		"	0.500		104	85-115			
Arsenic, total	0.5		"	0.500		100	85-115			
Cadmium, total	0.5		"	0.500		100	85-115			
Chromium, total	0.527		"	0.500		105	85-115			
Lead, total	0.5		"	0.500		100	85-115			
Selenium, total	0.5		"	0.500		100	85-115			

ND = Non Detect; REC= Recovery; RPD= Relative Percent Difference

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Montgomery Watson Harza-MI
41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13J0503

October 23, 2003

Notes and Definitions

D-06	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
QM-05	The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-14	The spike recovery was outside acceptance limits for the MS and/or MSD. However, all other QC was acceptable.
QR-06	The reference standard was outside of established control limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-AC	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.
S-AC	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.
S-BN	Base/Neutral surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.

End of Report

Jeffrey King

Keystone Laboratories, Inc.
Jeffrey King, Ph.D.
Laboratory Director

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Cooler #_____

Keystone Laboratories, Inc. Cooler/ Sample Receipt Form

Client: MWH **Work Order:** 13J0503 **Date Received:** 10/10/03 **Initials:** KLO

Delivered By: UPS/ FedX/ AirBrn Pry Exp/ Mail/ Walk-in/ Courier / Other:_____ **Air Bill Number:** 841761564957

Type of packing material: Bubble/ Foam/ Paper/ Peanuts/ Vermiculite/ NA/ Other_____

Custody Seal: ☒ Present ☐ Absent ☐ Broken Seal No. _____ **COC signed and dated:** Yes / No

Samples cooled by: Ice/ Ice Packs/ NA/ Other_____ **Cooler Temperature (includes correction factor):** 1.2

Sample Receipt Discrepancies: ☒ No ☐ Yes (if Yes, see detail below)

☐ Chain of Custody not present ☐ Information obtained from PO/ letter received with samples	☐ Broken or leaking containers: _____
☐ Container Problems: ☐ Label Absent ☐ Incorrect Containers for tests indicated ☐ Insufficient amount of sample for tests indicated	☐ Sample listed on COC not received:
☐ COC incomplete ☐ COC missing time sampled, time obtained from sample container. ☐ COC missing date sampled, date obtained from sample container ☐ Sample excluded from COC: _____	☐ Air bubbles in VOA vials: _____ ☐ Sample description on container label different from COC: _____

Detailed Description/comments: _____

Client contacted regarding cooler/sample receipt conditions: Yes / No Contacted by_____ Date/Time:_____

Who was contacted:_____ Remarks:_____