Keystone LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

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

ANALYTICAL REPORT

December 19, 2003

Work Order: 13L0340

Report To

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

Work Order Information

Date Received: 12/06/2003 1:00PM
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
13L0340-01 MW-1				Matrix: Water		Collected: 12/04/03 16:25	
Determination of Volatile Organic Compounds							
Chloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Vinyl Chloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Bromomethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Chloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,1-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Acetone	<10.0 ug/l	10.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Carbon Disulfide	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Methylene Chloride	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
trans-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Methyl-t-butyl Ether (MTBE)	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,1-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
cis-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
2-Butanone (MEK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Chloroform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,1,1-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Carbon Tetrachloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Benzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,2-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Trichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,2-Dichloropropane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Bromodichloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
cis-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
4-Methyl-2-pentanone (MIBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Toluene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
trans-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,1,2-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Tetrachloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
2-Hexanone (MBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Dibromochloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Chlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Ethylbenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-01 MW-1				Matrix: Water		Collected: 12/04/03 16:25	
Determination of Volatile Organic Compounds							
Xylenes, total	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Bromoform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,1,2,2-Tetrachloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,3-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,4-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
1,2-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Naphthalene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 22:51	
Surrogate: Dibromofluoromethane	*104 %*			*78-124*	TVK	12/11/03 22:51	
Surrogate: 1,2-Dichloroethane-d4	*96.0 %*			*72-122*	TVK	12/11/03 22:51	
Surrogate: Toluene-d8	*102 %*			*84-120*	TVK	12/11/03 22:51	
Surrogate: 4-Bromofluorobenzene	*102 %*			*80-124*	TVK	12/11/03 22:51	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<10 ug/l	10	1L31010	EPA 8015	JRF	12/09/03 22:04	
Surrogate: Chlorobenzene	*92.6 %*			*65-120*	JRF	12/09/03 22:04	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:08	
TEH, as #2 diesel fuel	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:08	
TEH, as waste oil	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:08	
Total Extractable Hydrocarbons	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:08	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Phenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Aniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Bis(2-Chloroethyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2-Chlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
1,3-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
1,4-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzyl Alcohol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
1,2-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
n-Nitroso-di-n-propylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Bis(2-Chloroisopropyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
(3 & 4)-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Hexachloroethane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Nitrobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Isophorone	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,4-Dimethylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Bis(2-Chloroethoxy) Methane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,4-Dichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
1,2,4-Trichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-01 MW-1				Matrix: Water		Collected: 12/04/03 16:25	
Determination of Base/Neutral/Acid Extractable Compounds							
Naphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4-Chloroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Hexachlorobutadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4-Chloro-3-methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2-Methylnaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Hexachlorocyclopentadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,4,6-Trichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,4,5-Trichlorophenol	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2-Chloronaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2-Nitroaniline	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Dimethylphthalate	<15 ug/l	15	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Acenaphthylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,6-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
3-Nitroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Acenaphthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,4-Dinitrophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Dibenzofuran	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
2,4-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Diethyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Fluorene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4-Chlorophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4-Nitroaniline	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4,6-Dinitro-2-methylphenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
N-Nitrosodiphenylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Azobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
4-Bromophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Hexachlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Pentachlorophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Phenanthrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Anthracene	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Di-n-butyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzidine	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Butyl Benzyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
3,3'-Dichlorobenzidine	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzo(a)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Chrysene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Bis(2-Ethylhexyl) Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	

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41551 Eleven Mile Road
Novi, MI 48375

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-01 MW-1				Matrix: Water		Collected: 12/04/03 16:25	
Determination of Base/Neutral/Acid Extractable Compounds							
Di-n-octyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzo(b)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzo(k)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzo(a)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Indeno(1,2,3-cd)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Dibenzo(a,h)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Benzo(g,h,i)perylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:21	
Surrogate: 2-Fluorophenol	*72.3 %*			*45-110*	EPP	12/12/03 13:21	
Surrogate: 2-Fluorobiphenyl	*84.4 %*			*50-110*	EPP	12/12/03 13:21	
Surrogate: 2,4,6-Tribromophenol	*91.4 %*			*59-130*	EPP	12/12/03 13:21	
Surrogate: Phenol-d6	*67.4 %*			*44-115*	EPP	12/12/03 13:21	
Surrogate: Terphenyl-dl4	*71.2 %*			*40-110*	EPP	12/12/03 13:21	
Surrogate: Nitrobenzene-d5	*81.1 %*			*47-123*	EPP	12/12/03 13:21	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 9:24	
Arochlor 1221	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:24	
Arochlor 1232	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:24	
Arochlor 1242	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:24	
Arochlor 1248	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:24	
Arochlor 1254	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 9:24	
Arochlor 1260	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 9:24	
Surrogate: Decachlorobiphenyl	*72.5 %*			*50-125*	EPP	12/18/03 9:24	
Determination of Total Metals							
Arsenic, total	<0.005 mg/l	0.005	1L30921	EPA 7060A	LAR	12/10/03 16:50	
Barium, total	**0.045 mg/l**	**0.010**	1L30901	EPA 6010B	RVV	12/09/03 13:26	
Cadmium, total	<0.0010 mg/l	0.0010	1L30921	EPA 7131A	LAR	12/11/03 10:58	
Chromium, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/09/03 13:26	
Lead, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/09/03 13:26	
Mercury, total	<0.0005 mg/l	0.00050	1L31028	EPA 7470A	MAQ	12/11/03 14:05	
Selenium, total	<0.005 mg/l	0.005	1L30921	EPA 7740	LAR	12/10/03 15:16	
Silver, total	<0.010 mg/l	0.010	1L30901	EPA 6010B	RVV	12/09/03 13:26	
13L0340-02 DUP-1				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Volatile Organic Compounds							
Chloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Vinyl Chloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Bromomethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Chloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,1-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Acetone	<10.0 ug/l	10.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Carbon Disulfide	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	

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41551 Eleven Mile Road
Novi, MI 48375

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-02 DUP-1				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Volatile Organic Compounds							
Methylene Chloride	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
trans-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Methyl-t-butyl Ether (MTBE)	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,1-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
cis-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
2-Butanone (MEK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Chloroform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,1,1-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Carbon Tetrachloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Benzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,2-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Trichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,2-Dichloropropane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Bromodichloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
cis-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
4-Methyl-2-pentanone (MIBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Toluene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
trans-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,1,2-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Tetrachloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
2-Hexanone (MBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Dibromochloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Chlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Ethylbenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Xylenes, total	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Bromoform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,1,2,2-Tetrachloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,3-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,4-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
1,2-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Naphthalene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/11/03 23:30	
Surrogate: Dibromofluoromethane	*104 %*			*78-124*	TVK	12/11/03 23:30	
Surrogate: 1,2-Dichloroethane-d4	*96.8 %*			*72-122*	TVK	12/11/03 23:30	
Surrogate: Toluene-d8	*104 %*			*84-120*	TVK	12/11/03 23:30	
Surrogate: 4-Bromofluorobenzene	*101 %*			*80-124*	TVK	12/11/03 23:30	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<10 ug/l	10	1L31506	EPA 8015	JRF	12/12/03 18:52	
Surrogate: Chlorobenzene	*95.6 %*			*65-120*	JRF	12/12/03 18:52	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:58	
TEH, as #2 diesel fuel	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:58	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-02 DUP-1				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as waste oil	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:58	
Total Extractable Hydrocarbons	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 18:58	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Phenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Aniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Bis(2-Chloroethyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2-Chlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
1,3-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
1,4-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzyl Alcohol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
1,2-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
n-Nitroso-di-n-propylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Bis(2-Chloroisopropyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
(3 & 4)-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Hexachloroethane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Nitrobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Isophorone	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,4-Dimethylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Bis(2-Chloroethoxy) Methane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,4-Dichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
1,2,4-Trichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Naphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4-Chloroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Hexachlorobutadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4-Chloro-3-methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2-Methylnaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Hexachlorocyclopentadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,4,6-Trichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,4,5-Trichlorophenol	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2-Chloronaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2-Nitroaniline	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Dimethylphthalate	<15 ug/l	15	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Acenaphthylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,6-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
3-Nitroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Acenaphthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,4-Dinitrophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	

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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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-02 DUP-1				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Base/Neutral/Acid Extractable Compounds							
Dibenzofuran	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
2,4-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Diethyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Fluorene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4-Chlorophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4-Nitroaniline	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4,6-Dinitro-2-methylphenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	
N-Nitrosodiphenylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Azobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
4-Bromophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Hexachlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Pentachlorophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Phenanthrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Di-n-butyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzidine	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Butyl Benzyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
3,3'-Dichlorobenzidine	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzo(a)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Chrysene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Bis(2-Ethylhexyl) Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Di-n-octyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzo(b)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzo(k)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzo(a)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Indeno(1,2,3-cd)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Dibenzo(a,h)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Benzo(g,h,i)perylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 13:56	
Surrogate: 2-Fluorophenol	*67.8 %*			*45-110*	EPP	12/12/03 13:56	
Surrogate: 2-Fluorobiphenyl	*76.6 %*			*50-110*	EPP	12/12/03 13:56	
Surrogate: 2,4,6-Tribromophenol	*91.3 %*			*59-130*	EPP	12/12/03 13:56	
Surrogate: Phenol-d6	*59.3 %*			*44-115*	EPP	12/12/03 13:56	
Surrogate: Terphenyl-dl4	*66.7 %*			*40-110*	EPP	12/12/03 13:56	
Surrogate: Nitrobenzene-d5	*76.2 %*			*47-123*	EPP	12/12/03 13:56	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 9:54	
Arochlor 1221	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:54	
Arochlor 1232	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:54	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-02 DUP-1				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1242	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:54	
Arochlor 1248	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 9:54	
Arochlor 1254	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 9:54	
Arochlor 1260	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 9:54	
Surrogate: Decachlorobiphenyl	*87.3 %*			*50-125*	EPP	12/18/03 9:54	
Determination of Total Metals							
Arsenic, total	<0.005 mg/l	0.005	1L30921	EPA 7060A	LAR	12/10/03 16:50	
Barium, total	**0.046 mg/l**	**0.010**	1L30901	EPA 6010B	RVV	12/10/03 12:15	
Cadmium, total	<0.0010 mg/l	0.0010	1L30921	EPA 7131A	LAR	12/11/03 10:58	
Chromium, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/10/03 12:15	
Lead, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/10/03 12:15	
Mercury, total	<0.0005 mg/l	0.00050	1L31028	EPA 7470A	MAQ	12/11/03 14:05	
Selenium, total	<0.005 mg/l	0.005	1L30921	EPA 7740	LAR	12/10/03 15:16	
Silver, total	<0.010 mg/l	0.010	1L30901	EPA 6010B	RVV	12/10/03 12:15	
13L0340-03 MW-2				Matrix: Water		Collected: 12/05/03 09:20	
Determination of Volatile Organic Compounds							
Chloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Vinyl Chloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Bromomethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Chloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,1-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Acetone	<10.0 ug/l	10.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Carbon Disulfide	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Methylene Chloride	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
trans-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Methyl-t-butyl Ether (MTBE)	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,1-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
cis-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
2-Butanone (MEK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Chloroform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,1,1-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Carbon Tetrachloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Benzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,2-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Trichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,2-Dichloropropane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Bromodichloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
cis-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
4-Methyl-2-pentanone (MIBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-03 MW-2				Matrix: Water		Collected: 12/05/03 09:20	
Determination of Volatile Organic Compounds							
Toluene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
trans-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,1,2-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Tetrachloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
2-Hexanone (MBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Dibromochloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Chlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Ethylbenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Xylenes, total	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Bromoform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,1,2,2-Tetrachloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,3-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,4-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
1,2-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Naphthalene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:08	
Surrogate: Dibromofluoromethane	*104 %*			*78-124*	TVK	12/12/03 0:08	
Surrogate: 1,2-Dichloroethane-d4	*96.3 %*			*72-122*	TVK	12/12/03 0:08	
Surrogate: Toluene-d8	*103 %*			*84-120*	TVK	12/12/03 0:08	
Surrogate: 4-Bromofluorobenzene	*101 %*			*80-124*	TVK	12/12/03 0:08	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<10 ug/l	10	1L31506	EPA 8015	JRF	12/12/03 19:33	
Surrogate: Chlorobenzene	*94.5 %*			*65-120*	JRF	12/12/03 19:33	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 19:47	
TEH, as #2 diesel fuel	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 19:47	
TEH, as waste oil	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 19:47	
Total Extractable Hydrocarbons	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 19:47	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Phenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Aniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Bis(2-Chloroethyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2-Chlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
1,3-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
1,4-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzyl Alcohol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
1,2-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
n-Nitroso-di-n-propylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Bis(2-Chloroisopropyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
(3 & 4)-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-03 MW-2				Matrix: Water		Collected: 12/05/03 09:20	
Determination of Base/Neutral/Acid Extractable Compounds							
Hexachloroethane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Nitrobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Isophorone	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,4-Dimethylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Bis(2-Chloroethoxy) Methane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,4-Dichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
1,2,4-Trichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Naphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4-Chloroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Hexachlorobutadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4-Chloro-3-methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2-Methylnaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Hexachlorocyclopentadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,4,6-Trichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,4,5-Trichlorophenol	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2-Chloronaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2-Nitroaniline	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Dimethylphthalate	<15 ug/l	15	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Acenaphthylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,6-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
3-Nitroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Acenaphthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,4-Dinitrophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Dibenzofuran	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
2,4-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Diethyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Fluorene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4-Chlorophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4-Nitroaniline	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4,6-Dinitro-2-methylphenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
N-Nitrosodiphenylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Azobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
4-Bromophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Hexachlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Pentachlorophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Phenanthrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Di-n-butyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	

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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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-03 MW-2				Matrix: Water		Collected: 12/05/03 09:20	
Determination of Base/Neutral/Acid Extractable Compounds							
Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzidine	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Butyl Benzyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
3,3'-Dichlorobenzidine	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzo(a)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Chrysene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Bis(2-Ethylhexyl) Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Di-n-octyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzo(b)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzo(k)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzo(a)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Indeno(1,2,3-cd)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Dibenzo(a,h)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Benzo(g,h,i)perylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 14:31	
Surrogate: 2-Fluorophenol	*74.3 %*			*45-110*	EPP	12/12/03 14:31	
Surrogate: 2-Fluorobiphenyl	*87.1 %*			*50-110*	EPP	12/12/03 14:31	
Surrogate: 2,4,6-Tribromophenol	*93.0 %*			*59-130*	EPP	12/12/03 14:31	
Surrogate: Phenol-d6	*69.2 %*			*44-115*	EPP	12/12/03 14:31	
Surrogate: Terphenyl-dl4	*74.7 %*			*40-110*	EPP	12/12/03 14:31	
Surrogate: Nitrobenzene-d5	*83.9 %*			*47-123*	EPP	12/12/03 14:31	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 10:24	
Arochlor 1221	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:24	
Arochlor 1232	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:24	
Arochlor 1242	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:24	
Arochlor 1248	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:24	
Arochlor 1254	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 10:24	
Arochlor 1260	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 10:24	
Surrogate: Decachlorobiphenyl	*75.5 %*			*50-125*	EPP	12/18/03 10:24	
Determination of Total Metals							
Arsenic, total	<0.005 mg/l	0.005	1L30921	EPA 7060A	LAR	12/10/03 16:50	
Barium, total	**0.037 mg/l**	**0.010**	1L30901	EPA 6010B	RVV	12/10/03 12:19	
Cadmium, total	<0.0010 mg/l	0.0010	1L30921	EPA 7131A	LAR	12/11/03 10:58	
Chromium, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/10/03 12:19	
Lead, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/10/03 12:19	
Mercury, total	<0.0005 mg/l	0.00050	1L31028	EPA 7470A	MAQ	12/11/03 14:05	
Selenium, total	<0.005 mg/l	0.005	1L30921	EPA 7740	LAR	12/10/03 15:16	
Silver, total	<0.010 mg/l	0.010	1L30901	EPA 6010B	RVV	12/10/03 12:19	

13L0340-04 MW-3 Matrix: Water Collected: 12/05/03 14:30

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-04 MW-3				Matrix: Water		Collected: 12/05/03 14:30	
Determination of Volatile Organic Compounds							
Chloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Vinyl Chloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Bromomethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Chloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,1-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Acetone	<10.0 ug/l	10.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Carbon Disulfide	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Methylene Chloride	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
trans-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Methyl-t-butyl Ether (MTBE)	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,1-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
cis-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
2-Butanone (MEK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Chloroform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,1,1-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Carbon Tetrachloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Benzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,2-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Trichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,2-Dichloropropane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Bromodichloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
cis-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
4-Methyl-2-pentanone (MIBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Toluene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
trans-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,1,2-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Tetrachloroethylene	**1.9 ug/l**	**1.0**	1L31216	EPA 8260B	TVK	12/12/03 0:47	
2-Hexanone (MBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Dibromochloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Chlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Ethylbenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Xylenes, total	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Bromoform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,1,2,2-Tetrachloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,3-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,4-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
1,2-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Naphthalene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 0:47	
Surrogate: Dibromofluoromethane	*105 %*			*78-124*	TVK	12/12/03 0:47	
Surrogate: 1,2-Dichloroethane-d4	*96.2 %*			*72-122*	TVK	12/12/03 0:47	
Surrogate: Toluene-d8	*103 %*			*84-120*	TVK	12/12/03 0:47	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-04 MW-3				Matrix: Water		Collected: 12/05/03 14:30	
Determination of Volatile Organic Compounds							
Surrogate: 4-Bromofluorobenzene	*101 %*			*80-124*	TVK	12/12/03 0:47	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<10 ug/l	10	1L31506	EPA 8015	JRF	12/12/03 20:14	
Surrogate: Chlorobenzene	*95.9 %*			*65-120*	JRF	12/12/03 20:14	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 20:35	
TEH, as #2 diesel fuel	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 20:35	
TEH, as waste oil	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 20:35	
Total Extractable Hydrocarbons	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 20:35	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Phenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Aniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Bis(2-Chloroethyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2-Chlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
1,3-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
1,4-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzyl Alcohol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
1,2-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
n-Nitroso-di-n-propylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Bis(2-Chloroisopropyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
(3 & 4)-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Hexachloroethane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Nitrobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Isophorone	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,4-Dimethylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Bis(2-Chloroethoxy) Methane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,4-Dichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
1,2,4-Trichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Naphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4-Chloroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Hexachlorobutadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4-Chloro-3-methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2-Methylnaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Hexachlorocyclopentadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,4,6-Trichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,4,5-Trichlorophenol	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2-Chloronaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	

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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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-04 MW-3				Matrix: Water		Collected: 12/05/03 14:30	
Determination of Base/Neutral/Acid Extractable Compounds							
2-Nitroaniline	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Dimethylphthalate	<15 ug/l	15	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Acenaphthylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,6-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
3-Nitroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Acenaphthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,4-Dinitrophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Dibenzofuran	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
2,4-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Diethyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Fluorene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4-Chlorophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4-Nitroaniline	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4,6-Dinitro-2-methylphenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
N-Nitrosodiphenylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Azobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
4-Bromophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Hexachlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Pentachlorophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Phenanthrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Di-n-butyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzidine	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Butyl Benzyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
3,3'-Dichlorobenzidine	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzo(a)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Chrysene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Bis(2-Ethylhexyl) Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Di-n-octyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzo(b)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzo(k)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzo(a)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Indeno(1,2,3-cd)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Dibenzo(a,h)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Benzo(g,h,i)perylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:06	
Surrogate: 2-Fluorophenol	*74.2 %*			*45-110*	EPP	12/12/03 15:06	
Surrogate: 2-Fluorobiphenyl	*87.7 %*			*50-110*	EPP	12/12/03 15:06	
Surrogate: 2,4,6-Tribromophenol	*95.4 %*			*59-130*	EPP	12/12/03 15:06	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-04 MW-3				Matrix: Water		Collected: 12/05/03 14:30	
Determination of Base/Neutral/Acid Extractable Compounds							
Surrogate: Phenol-d6	*68.0 %*			*44-115*	EPP	12/12/03 15:06	
Surrogate: Terphenyl-d14	*66.5 %*			*40-110*	EPP	12/12/03 15:06	
Surrogate: Nitrobenzene-d5	*83.3 %*			*47-123*	EPP	12/12/03 15:06	
13L0340-05 MW-4				Matrix: Water		Collected: 12/05/03 11:30	
Determination of Volatile Organic Compounds							
Chloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Vinyl Chloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Bromomethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Chloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,1-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Acetone	<10.0 ug/l	10.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Carbon Disulfide	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Methylene Chloride	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
trans-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Methyl-t-butyl Ether (MTBE)	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,1-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
cis-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
2-Butanone (MEK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Chloroform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,1,1-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Carbon Tetrachloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Benzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,2-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Trichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,2-Dichloropropane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Bromodichloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
cis-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
4-Methyl-2-pentanone (MIBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Toluene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
trans-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,1,2-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Tetrachloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
2-Hexanone (MBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Dibromochloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Chlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Ethylbenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Xylenes, total	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Bromoform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,1,2,2-Tetrachloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-05 MW-4				Matrix:Water		Collected: 12/05/03 11:30	
Determination of Volatile Organic Compounds							
1,3-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,4-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
1,2-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Naphthalene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 1:26	
Surrogate: Dibromofluoromethane	*104 %*			*78-124*	TVK	12/12/03 1:26	
Surrogate: 1,2-Dichloroethane-d4	*96.9 %*			*72-122*	TVK	12/12/03 1:26	
Surrogate: Toluene-d8	*103 %*			*84-120*	TVK	12/12/03 1:26	
Surrogate: 4-Bromofluorobenzene	*101 %*			*80-124*	TVK	12/12/03 1:26	
Determination of Volatile Petroleum Hydrocarbons							
TPH, as gasoline	<10 ug/l	10	1L31506	EPA 8015	JRF	12/12/03 20:56	
Surrogate: Chlorobenzene	*96.1 %*			*65-120*	JRF	12/12/03 20:56	
Determination of Extractable Petroleum Hydrocarbons							
TEH, as gasoline	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 21:24	
TEH, as #2 diesel fuel	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 21:24	
TEH, as waste oil	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 21:24	
Total Extractable Hydrocarbons	<0.1 mg/l	0.1	1L31035	EPA 8015	SMG	12/17/03 21:24	
Determination of Base/Neutral/Acid Extractable Compounds							
N-Nitrosodimethylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Phenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Aniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Bis(2-Chloroethyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2-Chlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
1,3-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
1,4-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Benzyl Alcohol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
1,2-Dichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
n-Nitroso-di-n-propylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Bis(2-Chloroisopropyl) Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
(3 & 4)-Methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Hexachloroethane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Nitrobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Isophorone	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,4-Dimethylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Bis(2-Chloroethoxy) Methane	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,4-Dichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
1,2,4-Trichlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Naphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
4-Chloroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Hexachlorobutadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	

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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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-05 MW-4				Matrix:Water		Collected: 12/05/03 11:30	
Determination of Base/Neutral/Acid Extractable Compounds							
4-Chloro-3-methylphenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2-Methylnaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Hexachlorocyclopentadiene	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,4,6-Trichlorophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,4,5-Trichlorophenol	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2-Chloronaphthalene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2-Nitroaniline	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Dimethylphthalate	<15 ug/l	15	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Acenaphthylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,6-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
3-Nitroaniline	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Acenaphthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,4-Dinitrophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Dibenzofuran	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
2,4-Dinitrotoluene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
4-Nitrophenol	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Diethyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Fluorene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
4-Chlorophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
4-Nitroaniline	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	
4,6-Dinitro-2-methylphenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	
N-Nitrosodiphenylamine	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Azobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
4-Bromophenyl Phenyl Ether	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Hexachlorobenzene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Pentachlorophenol	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Phenanthrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Di-n-butyl Phthalate	5 <10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Benzidine	<50 ug/l	50	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Butyl Benzyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
3,3'-Dichlorobenzidine	<20 ug/l	20	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Benzo(a)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Chrysene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Bis(2-Ethylhexyl) Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Di-n-octyl Phthalate	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Benzo(b)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Benzo(k)Fluoranthene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-05 MW-4				Matrix: Water		Collected: 12/05/03 11:30	
Determination of Base/Neutral/Acid Extractable Compounds							
Benzo(a)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Indeno(1,2,3-cd)Pyrene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Dibenzo(a,h)anthracene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Benzo(g,h,i)perylene	<10 ug/l	10	1L30918	EPA 8270C	EPP	12/12/03 15:41	
Surrogate: 2-Fluorophenol	*79.1 %*			*45-110*	EPP	12/12/03 15:41	
Surrogate: 2-Fluorobiphenyl	*88.0 %*			*50-110*	EPP	12/12/03 15:41	
Surrogate: 2,4,6-Tribromophenol	*95.1 %*			*59-130*	EPP	12/12/03 15:41	
Surrogate: Phenol-d6	*70.7 %*			*44-115*	EPP	12/12/03 15:41	
Surrogate: Terphenyl-d14	*63.1 %*			*40-110*	EPP	12/12/03 15:41	
Surrogate: Nitrobenzene-d5	*81.3 %*			*47-123*	EPP	12/12/03 15:41	
Determination of Polychlorinated Biphenyls (PCB)							
Arochlor 1016	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 10:54	
Arochlor 1221	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:54	
Arochlor 1232	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:54	
Arochlor 1242	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:54	
Arochlor 1248	<0.20 ug/l	0.20	1L31113	EPA 8082	EPP	12/18/03 10:54	
Arochlor 1254	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 10:54	
Arochlor 1260	<0.10 ug/l	0.10	1L31113	EPA 8082	EPP	12/18/03 10:54	
Surrogate: Decachlorobiphenyl	*51.6 %*			*50-125*	EPP	12/18/03 10:54	
Determination of Total Metals							
Arsenic, total	<0.005 mg/l	0.005	1L30921	EPA 7060A	LAR	12/10/03 16:50	
Barium, total	**0.064 mg/l**	**0.010**	1L30901	EPA 6010B	RVV	12/10/03 12:23	
Cadmium, total	<0.0010 mg/l	0.0010	1L30921	EPA 7131A	LAR	12/11/03 10:58	
Chromium, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/10/03 12:23	
Lead, total	<0.005 mg/l	0.005	1L30901	EPA 6010B	RVV	12/10/03 12:23	
Mercury, total	<0.0005 mg/l	0.00050	1L31028	EPA 7470A	MAQ	12/11/03 14:05	
Selenium, total	<0.005 mg/l	0.005	1L30921	EPA 7740	LAR	12/10/03 15:16	
Silver, total	<0.010 mg/l	0.010	1L30901	EPA 6010B	RVV	12/10/03 12:23	
13L0340-06 Drum Water				Matrix: Water		Collected: 12/05/03 15:15	
Determination of Volatile Organic Compounds							
Benzene	<1.0 ug/l	1.0	1L31021	EPA 624	TVK	12/09/03 15:05	
Toluene	<1.0 ug/l	1.0	1L31021	EPA 624	TVK	12/09/03 15:05	
Ethylbenzene	<1.0 ug/l	1.0	1L31021	EPA 624	TVK	12/09/03 15:05	
Xylenes, total	<2.0 ug/l	2.0	1L31021	EPA 624	TVK	12/09/03 15:05	
Surrogate: Dibromofluoromethane	*103 %*			*88-122*	TVK	12/09/03 15:05	
Surrogate: 1,2-Dichloroethane-d4	*96.9 %*			*77-120*	TVK	12/09/03 15:05	
Surrogate: Toluene-d8	*104 %*			*88-123*	TVK	12/09/03 15:05	
Surrogate: 4-Bromofluorobenzene	*102 %*			*87-113*	TVK	12/09/03 15:05	
Determination of Conventional Chemistry Parameters							
Chemical Oxygen Demand	<10 mg/l	10	1L31111	EPA 410.4	MAQ	12/11/03 16:08	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-06 Drum Water				Matrix: Water		Collected: 12/05/03 15:15	
Determination of Conventional Chemistry Parameters							
Oil and Grease	**1 mg/l**	**1**	1L31505	EPA 413.1	MAQ	12/15/03 16:00	
Determination of Physical/Conventional Chemistry Parameters							
Solids, total suspended	**46 mg/l**	**4**	1L30909	USGS I-3765-85	SNT	12/09/03 8:44	
Determination of Total Metals							
Lead, total	<0.005 mg/l	0.005	1L30901	EPA 200.7	RVV	12/10/03 12:27	
Zinc, total	**0.014 mg/l**	**0.010**	1L30901	EPA 200.7	RVV	12/10/03 12:27	
13L0340-07 Trip Blank 12-2-03 2:30 GJD Sealed				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Volatile Organic Compounds							
Chloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Vinyl Chloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Bromomethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Chloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,1-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Acetone	<10.0 ug/l	10.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Carbon Disulfide	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Methylene Chloride	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
trans-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Methyl-t-butyl Ether (MTBE)	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,1-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
cis-1,2-Dichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
2-Butanone (MEK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Chloroform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,1,1-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Carbon Tetrachloride	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Benzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,2-Dichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Trichloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,2-Dichloropropane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Bromodichloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
cis-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
4-Methyl-2-pentanone (MIBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Toluene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
trans-1,3-Dichloropropene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,1,2-Trichloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Tetrachloroethylene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
2-Hexanone (MBK)	<5.0 ug/l	5.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Dibromochloromethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Chlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Ethylbenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	

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

December 19, 2003

Work Order: 13L0340

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
13L0340-07 Trip Blank 12-2-03 2:30 GJD Sealed				Matrix: Water		Collected: 12/04/03 00:00	
Determination of Volatile Organic Compounds							
Xylenes, total	<2.0 ug/l	2.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Bromoform	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,1,2,2-Tetrachloroethane	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,3-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,4-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
1,2-Dichlorobenzene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Naphthalene	<1.0 ug/l	1.0	1L31216	EPA 8260B	TVK	12/12/03 2:04	
Surrogate: Dibromofluoromethane	*103 %*			*78-124*	TVK	12/12/03 2:04	
Surrogate: 1,2-Dichloroethane-d4	*95.3 %*			*72-122*	TVK	12/12/03 2:04	
Surrogate: Toluene-d8	*103 %*			*84-120*	TVK	12/12/03 2:04	
Surrogate: 4-Bromofluorobenzene	*101 %*			*80-124*	TVK	12/12/03 2:04	

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

Work Order: 13L0340

December 19, 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 1L31021 - EPA 5030B										
Blank (1L31021-BLK1)				Prepared & Analyzed: 12/09/03						
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	2.0	"							
Surrogate: Dibromofluoromethane	*51.73*		"	*50.00*		*103*	*88-122*			
Surrogate: 1,2-Dichloroethane-d4	*48.60*		"	*50.00*		*97.2*	*77-120*			
Surrogate: Toluene-d8	*51.79*		"	*50.20*		*103*	*88-123*			
Surrogate: 4-Bromofluorobenzene	*50.93*		"	*50.00*		*102*	*87-113*			
LCS (1L31021-BS1)				Prepared & Analyzed: 12/09/03						
Benzene	51.46	1.0	ug/l	50.00		103	74-129			
Toluene	51.10	1.0	"	50.00		102	65-139			
Ethylbenzene	52.05	1.0	"	50.00		104	70-130			
Xylenes, total	154.7	2.0	"	150.0		103	67-140			
Surrogate: Dibromofluoromethane	*49.81*		"	*50.00*		*99.6*	*88-122*			
Surrogate: 1,2-Dichloroethane-d4	*49.25*		"	*50.00*		*98.5*	*77-120*			
Surrogate: Toluene-d8	*50.38*		"	*50.20*		*100*	*88-123*			
Surrogate: 4-Bromofluorobenzene	*49.88*		"	*50.00*		*99.8*	*87-113*			
Calibration Check (1L31021-CCV1)				Prepared & Analyzed: 12/09/03						
Benzene	51.65	1.0	ug/l	50.00		103	70-130			
Toluene	51.69	1.0	"	50.00		103	70-130			
Ethylbenzene	51.63	1.0	"	50.00		103	70-130			
Xylenes, total	155.6	2.0	"	150.0		104	70-130			
Surrogate: Dibromofluoromethane	*50.35*		"	*50.00*		*101*	*88-122*			
Surrogate: 1,2-Dichloroethane-d4	*49.83*		"	*50.00*		*99.7*	*77-120*			
Surrogate: Toluene-d8	*50.26*		"	*50.20*		*100*	*88-123*			
Surrogate: 4-Bromofluorobenzene	*49.07*		"	*50.00*		*98.1*	*87-113*			

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

Work Order: 13L0340

December 19, 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 1L31021 - EPA 5030B										
Matrix Spike (1L31021-MS1)		**Source: 13L0246-02**		Prepared & Analyzed: 12/09/03						
Benzene	57.40	1.0	ug/l	51.20	0.9	110	87-128			
Toluene	55.31	1.0	"	50.50	1.6	106	85-129			
Surrogate: Dibromofluoromethane	*51.35*		"	*50.00*		*103*	*88-122*			
Surrogate: 1,2-Dichloroethane-d4	*48.74*		"	*50.00*		*97.5*	*77-120*			
Surrogate: Toluene-d8	*51.59*		"	*50.20*		*103*	*88-123*			
Surrogate: 4-Bromofluorobenzene	*50.35*		"	*50.00*		*101*	*87-113*			
Matrix Spike Dup (1L31021-MSD1)		**Source: 13L0246-02**		Prepared & Analyzed: 12/09/03						
Benzene	55.67	1.0	ug/l	51.20	0.9	107	87-128	3.06	16	
Toluene	53.37	1.0	"	50.50	1.6	103	85-129	3.57	11	
Surrogate: Dibromofluoromethane	*51.31*		"	*50.00*		*103*	*88-122*			
Surrogate: 1,2-Dichloroethane-d4	*49.46*		"	*50.00*		*98.9*	*77-120*			
Surrogate: Toluene-d8	*51.61*		"	*50.20*		*103*	*88-123*			
Surrogate: 4-Bromofluorobenzene	*50.76*		"	*50.00*		*102*	*87-113*			
Batch 1L31216 - EPA 5030B										
Blank (1L31216-BLK1)				Prepared & Analyzed: 12/11/03						
Chloromethane	ND	1.0	ug/l							
Vinyl Chloride	ND	1.0	"							
Bromomethane	ND	1.0	"							
Chloroethane	ND	1.0	"							
1,1-Dichloroethylene	ND	1.0	"							
Acetone	ND	10.0	"							
Carbon Disulfide	ND	1.0	"							
Methylene Chloride	ND	5.0	"							
trans-1,2-Dichloroethylene	ND	1.0	"							
Methyl-t-butyl Ether (MTBE)	ND	2.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethylene	ND	1.0	"							
2-Butanone (MEK)	ND	5.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon Tetrachloride	ND	1.0	"							
Benzene	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							

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

Work Order: 13L0340

December 19, 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 1L31216 - EPA 5030B										
Blank (1L31216-BLK1)				Prepared & Analyzed: 12/11/03						
Trichloroethylene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
4-Methyl-2-pentanone (MIBK)	ND	5.0	"							
Toluene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethylene	ND	1.0	"							
2-Hexanone (MBK)	ND	5.0	"							
Dibromochloromethane	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	2.0	"							
Bromoform	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
Naphthalene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*52.59*		*"*	*50.00*		*105*	*78-124*			
Surrogate: 1,2-Dichloroethane-d4	*48.26*		*"*	*50.00*		*96.5*	*72-122*			
Surrogate: Toluene-d8	*51.84*		*"*	*50.20*		*103*	*84-120*			
Surrogate: 4-Bromofluorobenzene	*50.30*		*"*	*50.00*		*101*	*80-124*			
LCS (1L31216-BS1)				Prepared & Analyzed: 12/11/03						
Chloromethane	115.7	1.0	ug/l	100.0		116	70-130			
Vinyl Chloride	118.5	1.0	"	100.0		118	70-130			
Bromomethane	88.18	1.0	"	100.0		88.2	70-130			
Chloroethane	113.2	1.0	"	100.0		113	70-130			
1,1-Dichloroethylene	55.30	1.0	"	50.00		111	70-130			
Acetone	171.5	10.0	"	168.0		102	70-130			
Carbon Disulfide	204.3	1.0	"	186.0		110	70-130			
Methylene Chloride	50.36	5.0	"	50.00		101	70-130			
trans-1,2-Dichloroethylene	53.97	1.0	"	50.00		108	70-130			

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

Work Order: 13L0340

December 19, 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 1L31216 - EPA 5030B										
LCS (1L31216-BS1)				Prepared & Analyzed: 12/11/03						
Methyl-t-butyl Ether (MTBE)	158.3	2.0	ug/l	151.0		105	65-134			
1,1-Dichloroethane	52.53	1.0	"	50.00		105	70-130			
cis-1,2-Dichloroethylene	53.67	1.0	"	50.00		107	70-130			
2-Butanone (MEK)	166.6	5.0	"	164.0		102	70-130			
Chloroform	52.81	1.0	"	50.00		106	70-130			
1,1,1-Trichloroethane	54.33	1.0	"	50.00		109	70-130			
Carbon Tetrachloride	53.09	1.0	"	50.00		106	70-130			
Benzene	52.84	1.0	"	50.00		106	69-140			
1,2-Dichloroethane	51.61	1.0	"	50.00		103	70-130			
Trichloroethylene	53.22	1.0	"	50.00		106	80-124			
1,2-Dichloropropane	52.18	1.0	"	50.00		104	70-130			
Bromodichloromethane	51.44	1.0	"	50.00		103	70-130			
cis-1,3-Dichloropropene	53.26	1.0	"	50.00		107	70-130			
4-Methyl-2-pentanone (MIBK)	180.4	5.0	"	178.0		101	70-130			
Toluene	53.27	1.0	"	50.00		107	69-137			
trans-1,3-Dichloropropene	52.50	1.0	"	50.00		105	70-130			
1,1,2-Trichloroethane	49.65	1.0	"	50.00		99.3	70-130			
Tetrachloroethylene	53.93	1.0	"	50.00		108	81-120			
2-Hexanone (MBK)	158.4	5.0	"	160.0		99.0	70-130			
Dibromochloromethane	49.23	1.0	"	50.00		98.5	70-130			
Chlorobenzene	52.91	1.0	"	50.00		106	78-128			
Ethylbenzene	53.45	1.0	"	50.00		107	73-137			
Xylenes, total	162.4	2.0	"	150.0		108	75-137			
Bromoform	46.75	1.0	"	50.00		93.5	70-130			
1,1,2,2-Tetrachloroethane	50.73	1.0	"	50.00		101	70-130			
1,3-Dichlorobenzene	51.88	1.0	"	50.00		104	70-130			
1,4-Dichlorobenzene	53.69	1.0	"	50.00		107	70-130			
1,2-Dichlorobenzene	52.13	1.0	"	50.00		104	70-130			
Naphthalene	40.42	1.0	"	50.00		80.8	61-125			
Surrogate: Dibromofluoromethane	*50.43*		"	*50.00*		*101*	*78-124*			
Surrogate: 1,2-Dichloroethane-d4	*49.30*		"	*50.00*		*98.6*	*72-122*			
Surrogate: Toluene-d8	*50.04*		"	*50.20*		*99.7*	*84-120*			
Surrogate: 4-Bromofluorobenzene	*49.20*		"	*50.00*		*98.4*	*80-124*			

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

Work Order: 13L0340

December 19, 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 1L31216 - EPA 5030B										
Calibration Check (1L31216-CCV1)				Prepared & Analyzed: 12/11/03						
Chloromethane	104.8	1.0	ug/l	100.0		105	70-130			
Vinyl Chloride	104.8	1.0	"	100.0		105	70-130			
Bromomethane	93.66	1.0	"	100.0		93.7	70-130			
Chloroethane	99.83	1.0	"	100.0		99.8	70-130			
1,1-Dichloroethylene	51.96	1.0	"	50.00		104	70-130			
Acetone	153.0	10.0	"	168.0		91.1	70-130			
Carbon Disulfide	178.7	1.0	"	186.0		96.1	70-130			
Methylene Chloride	47.82	5.0	"	50.00		95.6	70-130			
trans-1,2-Dichloroethylene	50.54	1.0	"	50.00		101	70-130			
Methyl-t-butyl Ether (MTBE)	140.3	2.0	"	151.0		92.9	70-130			
1,1-Dichloroethane	49.72	1.0	"	50.00		99.4	70-130			
cis-1,2-Dichloroethylene	51.10	1.0	"	50.00		102	70-130			
2-Butanone (MEK)	147.4	5.0	"	164.0		89.9	70-130			
Chloroform	49.63	1.0	"	50.00		99.3	70-130			
1,1,1-Trichloroethane	50.50	1.0	"	50.00		101	70-130			
Carbon Tetrachloride	48.58	1.0	"	50.00		97.2	70-130			
Benzene	49.67	1.0	"	50.00		99.3	70-130			
1,2-Dichloroethane	48.68	1.0	"	50.00		97.4	70-130			
Trichloroethylene	49.85	1.0	"	50.00		99.7	70-130			
1,2-Dichloropropane	49.43	1.0	"	50.00		98.9	70-130			
Bromodichloromethane	48.05	1.0	"	50.00		96.1	70-130			
cis-1,3-Dichloropropene	49.95	1.0	"	50.00		99.9	70-130			
4-Methyl-2-pentanone (MIBK)	158.5	5.0	"	178.0		89.0	70-130			
Toluene	50.15	1.0	"	50.00		100	70-130			
trans-1,3-Dichloropropene	49.38	1.0	"	50.00		98.8	70-130			
1,1,2-Trichloroethane	47.28	1.0	"	50.00		94.6	70-130			
Tetrachloroethylene	51.07	1.0	"	50.00		102	70-130			
2-Hexanone (MBK)	141.1	5.0	"	160.0		88.2	70-130			
Dibromochloromethane	46.27	1.0	"	50.00		92.5	70-130			
Chlorobenzene	49.48	1.0	"	50.00		99.0	70-130			
Ethylbenzene	50.40	1.0	"	50.00		101	70-130			
Xylenes, total	152.6	2.0	"	150.0		102	70-130			
Bromoform	44.04	1.0	"	50.00		88.1	70-130			
1,1,2,2-Tetrachloroethane	48.96	1.0	"	50.00		97.9	70-130			
1,3-Dichlorobenzene	50.42	1.0	"	50.00		101	70-130			

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

Work Order: 13L0340

December 19, 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 1L31216 - EPA 5030B										
Calibration Check (1L31216-CCV1)				Prepared & Analyzed: 12/11/03						
1,4-Dichlorobenzene	50.54	1.0	ug/l	50.00		101	70-130			
1,2-Dichlorobenzene	50.54	1.0	"	50.00		101	70-130			
Naphthalene	37.42	1.0	"	50.00		74.8	70-130			
Surrogate: Dibromofluoromethane	*50.72*		"	*50.00*		*101*	*78-124*			
Surrogate: 1,2-Dichloroethane-d4	*49.88*		"	*50.00*		*99.8*	*72-122*			
Surrogate: Toluene-d8	*50.33*		"	*50.20*		*100*	*84-120*			
Surrogate: 4-Bromofluorobenzene	*49.63*		"	*50.00*		*99.3*	*80-124*			
Matrix Spike (1L31216-MS1)		**Source: 13L0340-01**		Prepared: 12/11/03		Analyzed: 12/12/03				
1,1-Dichloroethylene	58.74	1.0	ug/l	50.00	ND	117	81-144			
Benzene	52.55	1.0	"	51.20	ND	103	69-137			
Trichloroethylene	55.93	1.0	"	54.20	ND	103	88-123			
Toluene	49.80	1.0	"	50.50	ND	98.6	69-136			
Chlorobenzene	63.25	1.0	"	64.20	ND	98.5	86-119			
Surrogate: Dibromofluoromethane	*51.48*		"	*50.00*		*103*	*78-124*			
Surrogate: 1,2-Dichloroethane-d4	*47.93*		"	*50.00*		*95.9*	*72-122*			
Surrogate: Toluene-d8	*52.45*		"	*50.20*		*104*	*84-120*			
Surrogate: 4-Bromofluorobenzene	*50.74*		"	*50.00*		*101*	*80-124*			
Matrix Spike Dup (1L31216-MSD1)		**Source: 13L0340-01**		Prepared: 12/11/03		Analyzed: 12/12/03				
1,1-Dichloroethylene	60.17	1.0	ug/l	50.00	ND	120	81-144	2.41	19	
Benzene	53.88	1.0	"	51.20	ND	105	69-137	2.50	17	
Trichloroethylene	56.99	1.0	"	54.20	ND	105	88-123	1.88	11	
Toluene	51.59	1.0	"	50.50	ND	102	69-136	3.53	15	
Chlorobenzene	64.82	1.0	"	64.20	ND	101	86-119	2.45	11	
Surrogate: Dibromofluoromethane	*51.12*		"	*50.00*		*102*	*78-124*			
Surrogate: 1,2-Dichloroethane-d4	*48.23*		"	*50.00*		*96.5*	*72-122*			
Surrogate: Toluene-d8	*52.06*		"	*50.20*		*104*	*84-120*			
Surrogate: 4-Bromofluorobenzene	*50.19*		"	*50.00*		*100*	*80-124*			

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

Work Order: 13L0340

December 19, 2003

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 1L31010 - EPA 5030B										
Blank (1L31010-BLK1)				Prepared & Analyzed: 12/09/03						
TPH, as gasoline	ND	10	ug/l							
Surrogate: Chlorobenzene	*95.3*		"	*102.5*		*93.0*	*65-120*			
Calibration Check (1L31010-CCV1)				Prepared & Analyzed: 12/09/03						
Surrogate: Chlorobenzene	*109.7*		*ug/l*	*102.5*		*107*	*65-120*			
Calibration Check (1L31010-CCV2)				Prepared & Analyzed: 12/09/03						
TPH, as gasoline	1038	10	ug/l	1068		97.2	80-120			
Surrogate: Chlorobenzene	*97.8*		"	*102.5*		*95.4*	*65-120*			
Calibration Check (1L31010-CCV3)				Prepared: 12/09/03 Analyzed: 12/10/03						
Surrogate: Chlorobenzene	*92.4*		*ug/l*	*102.5*		*90.1*	*65-120*			
Calibration Check (1L31010-CCV4)				Prepared: 12/09/03 Analyzed: 12/10/03						
TPH, as gasoline	1043	10	ug/l	1068		97.7	80-120			
Surrogate: Chlorobenzene	*92.6*		"	*102.5*		*90.3*	*65-120*			
Matrix Spike (1L31010-MS1)		**Source: 13L0340-01**		Prepared & Analyzed: 12/09/03						
Surrogate: Chlorobenzene	*94.8*		*ug/l*	*102.5*		*92.5*	*65-120*			
Matrix Spike Dup (1L31010-MSD1)		**Source: 13L0340-01**		Prepared & Analyzed: 12/09/03						
Surrogate: Chlorobenzene	*90.9*		*ug/l*	*102.5*		*88.7*	*65-120*			
Batch 1L31506 - EPA 5030B										
Blank (1L31506-BLK1)				Prepared & Analyzed: 12/12/03						
TPH, as gasoline	ND	10	ug/l							
Surrogate: Chlorobenzene	*101.5*		"	*102.5*		*99.0*	*65-120*			

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Novi, MI 48375

Work Order: 13L0340

December 19, 2003

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 1L31506 - EPA 5030B										
Calibration Check (1L31506-CCV1)				Prepared & Analyzed: 12/12/03						
Surrogate: Chlorobenzene	*87.8*		*ug/l*	*102.5*		*85.7*	*65-120*			
Calibration Check (1L31506-CCV2)				Prepared & Analyzed: 12/12/03						
TPH, as gasoline	961.6	10	ug/l	1068		90.0	80-120			
Surrogate: Chlorobenzene	*94.4*		*"*	*102.5*		*92.1*	*65-120*			
Calibration Check (1L31506-CCV3)				Prepared: 12/12/03 Analyzed: 12/13/03						
Surrogate: Chlorobenzene	*96.2*		*ug/l*	*102.5*		*93.9*	*65-120*			
Calibration Check (1L31506-CCV4)				Prepared: 12/12/03 Analyzed: 12/13/03						
TPH, as gasoline	1005	10	ug/l	1068		94.1	80-120			
Surrogate: Chlorobenzene	*97.3*		*"*	*102.5*		*94.9*	*65-120*			
Matrix Spike (1L31506-MS1)		**Source: 13L0483-01**		Prepared: 12/12/03 Analyzed: 12/13/03						
Surrogate: Chlorobenzene	*97.0*		*ug/l*	*102.5*		*94.6*	*65-120*			
Matrix Spike Dup (1L31506-MSD1)		**Source: 13L0483-01**		Prepared: 12/12/03 Analyzed: 12/13/03						
Surrogate: Chlorobenzene	*98.6*		*ug/l*	*102.5*		*96.2*	*65-120*			

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Montgomery Watson Harza-MI
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Novi, MI 48375

Work Order: 13L0340

December 19, 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 1L31035 - 3510C OA-2 Sep Fnl										
Blank (1L31035-BLK1)				Prepared: 12/10/03		Analyzed: 12/17/03				
TEH, as gasoline	ND	0.1	mg/l							
TEH, as #2 diesel fuel	ND	0.1	"							
TEH, as waste oil	ND	0.1	"							
Total Extractable Hydrocarbons	ND	0.1	"							
LCS (1L31035-BS1)				Prepared: 12/10/03		Analyzed: 12/18/03				
TEH, as #2 diesel fuel	8.70	0.1	mg/l	10.03		86.7	65-110			
Calibration Check (1L31035-CCV1)				Prepared: 12/10/03		Analyzed: 12/17/03				
TEH, as gasoline	2049		mg/l	2140		95.7	85-115			
TEH, as #2 diesel fuel	1933		"	2070		93.4	85-115			
TEH, as waste oil	2063		"	2040		101	85-115			
Calibration Check (1L31035-CCV2)				Prepared: 12/10/03		Analyzed: 12/18/03				
TEH, as gasoline	2138		mg/l	2140		99.9	85-115			
TEH, as #2 diesel fuel	2034		"	2070		98.3	85-115			
TEH, as waste oil	2131		"	2040		104	85-115			

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

Work Order: 13L0340

December 19, 2003

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 1L30918 - 3520C BNA Cont Liq										
Blank (1L30918-BLK1)				Prepared: 12/09/03 Analyzed: 12/12/03						
N-Nitrosodimethylamine	ND	10	ug/l							
Phenol	ND	10	"							
Aniline	ND	10	"							
Bis(2-Chloroethyl) Ether	ND	10	"							
2-Chlorophenol	ND	10	"							
1,3-Dichlorobenzene	ND	10	"							
1,4-Dichlorobenzene	ND	10	"							
Benzyl Alcohol	ND	10	"							
1,2-Dichlorobenzene	ND	10	"							
n-Nitroso-di-n-propylamine	ND	10	"							
2-Methylphenol	ND	10	"							
Bis(2-Chloroisopropyl) Ether	ND	10	"							
(3 & 4)-Methylphenol	ND	10	"							
Hexachloroethane	ND	10	"							
Nitrobenzene	ND	10	"							
Isophorone	ND	10	"							
2-Nitrophenol	ND	10	"							
2,4-Dimethylphenol	ND	10	"							
Bis(2-Chloroethoxy) Methane	ND	10	"							
2,4-Dichlorophenol	ND	10	"							
1,2,4-Trichlorobenzene	ND	10	"							
Naphthalene	ND	10	"							
4-Chloroaniline	ND	10	"							
Hexachlorobutadiene	ND	20	"							
4-Chloro-3-methylphenol	ND	10	"							
2-Methylnaphthalene	ND	10	"							
Hexachlorocyclopentadiene	ND	20	"							
2,4,6-Trichlorophenol	ND	10	"							
2,4,5-Trichlorophenol	ND	50	"							
2-Chloronaphthalene	ND	10	"							
2-Nitroaniline	ND	50	"							
Dimethylphthalate	ND	15	"							
Acenaphthylene	ND	10	"							
2,6-Dinitrotoluene	ND	10	"							
3-Nitroaniline	ND	10	"							

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Novi, MI 48375

Work Order: 13L0340

December 19, 2003

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 1L30918 - 3520C BNA Cont Liq										
Blank (1L30918-BLK1)				Prepared: 12/09/03 Analyzed: 12/12/03						
Acenaphthene	ND	10	ug/l							
2,4-Dinitrophenol	ND	20	"							
Dibenzofuran	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
4-Nitrophenol	ND	10	"							
Diethyl Phthalate	ND	10	"							
Fluorene	ND	10	"							
4-Chlorophenyl Phenyl Ether	ND	10	"							
4-Nitroaniline	ND	20	"							
4,6-Dinitro-2-methylphenol	ND	20	"							
N-Nitrosodiphenylamine	ND	10	"							
Azobenzene	ND	10	"							
4-Bromophenyl Phenyl Ether	ND	10	"							
Hexachlorobenzene	ND	10	"							
Pentachlorophenol	ND	20	"							
Phenanthrene	ND	10	"							
Anthracene	ND	10	"							
Di-n-butyl Phthalate	ND	10	"							
Fluoranthene	ND	10	"							
Benzidine	ND	50	"							
Pyrene	ND	10	"							
Butyl Benzyl Phthalate	ND	10	"							
3,3'-Dichlorobenzidine	ND	20	"							
Benzo(a)anthracene	ND	10	"							
Chrysene	ND	10	"							
Bis(2-Ethylhexyl) Phthalate	ND	10	"							
Di-n-octyl Phthalate	ND	10	"							
Benzo(b)Fluoranthene	ND	10	"							
Benzo(k)Fluoranthene	ND	10	"							
Benzo(a)Pyrene	ND	10	"							
Indeno(1,2,3-cd)Pyrene	ND	10	"							
Dibenzo(a,h)anthracene	ND	10	"							
Benzo(g,h,i)perylene	ND	10	"							
Surrogate: 2-Fluorophenol	*38.2*		*"*	*48.8*		*78.3*	*45-110*			
Surrogate: 2-Fluorobiphenyl	*41.0*		*"*	*45.1*		*90.9*	*50-110*			

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Novi, MI 48375

Work Order: 13L0340

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 1L30918 - 3520C BNA Cont Liq										
Blank (1L30918-BLK1)				Prepared: 12/09/03		Analyzed: 12/12/03				
Surrogate: 2,4,6-Tribromophenol	*42.2*		*ug/l*	*45.9*		*91.9*	*59-130*			
Surrogate: Phenol-d6	*31.7*		*"*	*45.4*		*69.8*	*44-115*			
Surrogate: Terphenyl-dl4	*35.4*		*"*	*45.1*		*78.5*	*40-110*			
Surrogate: Nitrobenzene-d5	*40.6*		*"*	*46.2*		*87.9*	*47-123*			
LCS (1L30918-BS1)				Prepared: 12/09/03		Analyzed: 12/12/03				
Phenol	34.7	10	ug/l	51.4		67.5	55-116			
2-Chlorophenol	35.3	10	"	50.0		70.6	46-121			
1,4-Dichlorobenzene	35.7	10	"	50.4		70.8	47-110			
n-Nitroso-di-n-propylamine	30.0	10	"	50.0		60.0	46-110			
(3 & 4)-Methylphenol	37.0	10	"	49.8		74.3	70-130			
Nitrobenzene	40.8	10	"	54.4		75.0	70-130			
2-Nitrophenol	44.8	10	"	52.0		86.2	70-130			
4-Chloro-3-methylphenol	42.7	10	"	50.8		84.1	59-123			
2,6-Dinitrotoluene	48.5	10	"	52.6		92.2	57-132			
Diethyl Phthalate	15.6	10	"	53.4		29.2	66-138			QS-03
4,6-Dinitro-2-methylphenol	60.1	20	"	52.6		114	70-130			
Pentachlorophenol	54.5	20	"	52.2		104	51-138			
Phenanthrene	43.2	10	"	50.0		86.4	70-130			
Anthracene	35.8	10	"	50.6		70.8	70-130			
Di-n-butyl Phthalate	31.3	10	"	53.2		58.8	70-130			QS-03
Fluoranthene	42.3	10	"	50.8		83.3	70-130			
Pyrene	40.4	10	"	52.2		77.4	48-119			
Surrogate: 2-Fluorophenol	*35.9*		*"*	*48.8*		*73.6*	*45-110*			
Surrogate: 2-Fluorobiphenyl	*39.2*		*"*	*45.1*		*86.9*	*50-110*			
Surrogate: 2,4,6-Tribromophenol	*43.8*		*"*	*45.9*		*95.4*	*59-130*			
Surrogate: Phenol-d6	*29.7*		*"*	*45.4*		*65.4*	*44-115*			
Surrogate: Terphenyl-dl4	*35.9*		*"*	*45.1*		*79.6*	*40-110*			
Surrogate: Nitrobenzene-d5	*33.3*		*"*	*46.2*		*72.1*	*47-123*			

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Novi, MI 48375

December 19, 2003

Work Order: 13L0340

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 1L30918 - 3520C BNA Cont Liq										
Calibration Check (1L30918-CCV1)				Prepared: 12/09/03		Analyzed: 12/12/03				
N-Nitrosodimethylamine	34.6		ug/l	42.0		82.4	80-120			
Phenol	44.9		"	42.0		107	80-120			
Aniline	41.3		"	42.0		98.3	80-120			
Bis(2-Chloroethyl) Ether	43.0		"	42.0		102	80-120			
2-Chlorophenol	39.6		"	42.0		94.3	80-120			
1,3-Dichlorobenzene	42.8		"	42.0		102	80-120			
1,4-Dichlorobenzene	44.2		"	42.0		105	80-120			
Benzyl Alcohol	41.7		"	42.0		99.3	80-120			
1,2-Dichlorobenzene	42.7		"	42.4		101	80-120			
n-Nitroso-di-n-propylamine	44.9		"	42.0		107	80-120			
2-Methylphenol	39.8		"	42.0		94.8	80-120			
Bis(2-Chloroisopropyl) Ether	39.9		"	42.0		95.0	80-120			
(3 & 4)-Methylphenol	42.2		"	42.0		100	80-120			
Hexachloroethane	41.0		"	42.0		97.6	80-120			
Nitrobenzene	46.7		"	42.0		111	80-120			
Isophorone	44.9		"	42.0		107	80-120			
2-Nitrophenol	46.7		"	42.2		111	80-120			
2,4-Dimethylphenol	43.7		"	42.0		104	80-120			
Bis(2-Chloroethoxy) Methane	45.9		"	42.0		109	80-120			
2,4-Dichlorophenol	46.0		"	42.0		110	80-120			
1,2,4-Trichlorobenzene	45.7		"	42.0		109	80-120			
Naphthalene	36.3		"	42.0		86.4	80-120			
4-Chloroaniline	47.8		"	42.0		114	80-120			
Hexachlorobutadiene	46.0		"	42.0		110	80-120			
4-Chloro-3-methylphenol	48.5		"	42.0		115	80-120			
2-Methylnaphthalene	45.6		"	42.0		109	80-120			
Hexachlorocyclopentadiene	42.6		"	42.4		100	80-120			
2,4,6-Trichlorophenol	43.5		"	42.0		104	80-120			
2,4,5-Trichlorophenol	42.7		"	42.2		101	80-120			
2-Chloronaphthalene	43.9		"	42.0		105	80-120			
2-Nitroaniline	42.5		"	42.1		101	80-120			
Dimethylphthalate	41.4		"	42.0		98.6	80-120			
Acenaphthylene	41.3		"	42.0		98.3	80-120			
2,6-Dinitrotoluene	45.0		"	42.0		107	80-120			
3-Nitroaniline	41.5		"	42.0		98.8	80-120			

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Novi, MI 48375

Work Order: 13L0340

December 19, 2003

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 1L30918 - 3520C BNA Cont Liq										
Calibration Check (1L30918-CCV1)				Prepared: 12/09/03	Analyzed: 12/12/03					
Acenaphthene	42.8		ug/l	42.0		102	80-120			
2,4-Dinitrophenol	61.1		"	42.0		145	80-120			QS-02
Dibenzofuran	43.8		"	42.0		104	80-120			
2,4-Dinitrotoluene	43.1		"	42.0		103	80-120			
4-Nitrophenol	45.3		"	42.2		107	80-120			
Diethyl Phthalate	41.5		"	42.0		98.8	80-120			
Fluorene	41.5		"	42.0		98.8	80-120			
4-Chlorophenyl Phenyl Ether	42.3		"	42.0		101	80-120			
4-Nitroaniline	41.6		"	42.0		99.0	80-120			
4,6-Dinitro-2-methylphenol	53.8		"	42.2		127	80-120			QS-02
N-Nitrosodiphenylamine	39.4		"	42.1		93.6	80-120			
Azobenzene	41.9		"	42.0		99.8	80-120			
4-Bromophenyl Phenyl Ether	42.6		"	42.0		101	80-120			
Hexachlorobenzene	44.4		"	42.0		106	80-120			
Pentachlorophenol	48.9		"	42.2		116	80-120			
Phenanthrene	43.0		"	42.0		102	80-120			
Anthracene	40.6		"	42.0		96.7	80-120			
Di-n-butyl Phthalate	41.0		"	42.0		97.6	80-120			
Fluoranthene	42.4		"	42.0		101	80-120			
Pyrene	43.9		"	42.0		105	80-120			
Butyl Benzyl Phthalate	44.6		"	42.0		106	80-120			
Benzo(a)anthracene	41.0		"	42.0		97.6	80-120			
Chrysene	41.5		"	42.0		98.8	80-120			
Bis(2-Ethylhexyl) Phthalate	47.0		"	42.0		112	80-120			
Di-n-octyl Phthalate	45.3		"	42.1		108	80-120			
Benzo(b)Fluoranthene	37.6		"	42.0		89.5	80-120			
Benzo(k)Fluoranthene	38.4		"	42.0		91.4	80-120			
Benzo(a)Pyrene	40.3		"	42.0		96.0	80-120			
Indeno(1,2,3-cd)Pyrene	56.4		"	42.0		134	80-120			QS-02
Dibenzo(a,h)anthracene	52.1		"	42.0		124	80-120			QS-02
Benzo(g,h,i)perylene	56.4		"	42.0		134	80-120			QS-02

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

Work Order: 13L0340

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 1L30918 - 3520C BNA Cont Liq										
Matrix Spike (1L30918-MS1)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/12/03				
Phenol	43.4	10	ug/l	51.4	ND	84.4	55-116			
2-Chlorophenol	44.1	10	"	50.0	ND	88.2	46-121			
1,4-Dichlorobenzene	44.8	10	"	50.4	ND	88.9	47-110			
n-Nitroso-di-n-propylamine	38.4	10	"	50.0	ND	76.8	45-120			
(3 & 4)-Methylphenol	46.3	10	"	49.8	ND	93.0	70-130			
Nitrobenzene	46.5	10	"	54.4	ND	85.5	70-130			
2-Nitrophenol	57.1	10	"	52.0	ND	110	70-130			
4-Chloro-3-methylphenol	46.0	10	"	50.8	ND	90.6	59-123			
2,6-Dinitrotoluene	49.8	10	"	52.6	ND	94.7	57-132			
Diethyl Phthalate	15.6	10	"	53.4	ND	29.2	66-138			QM-12
4,6-Dinitro-2-methylphenol	62.3	20	"	52.6	ND	118	70-130			
Pentachlorophenol	56.9	20	"	52.2	ND	109	51-138			
Phenanthrene	44.4	10	"	50.0	ND	88.8	70-130			
Anthracene	34.2	10	"	50.6	ND	67.6	70-130			QM-07
Di-n-butyl Phthalate	26.4	10	"	53.2	ND	49.6	70-130			QM-12
Fluoranthene	42.5	10	"	50.8	ND	83.7	70-130			
Pyrene	39.5	10	"	52.2	ND	75.7	48-119			
Surrogate: 2-Fluorophenol	*42.4*		"	*48.8*		*86.9*	*45-110*			
Surrogate: 2-Fluorobiphenyl	*46.3*		"	*45.1*		*103*	*50-110*			
Surrogate: 2,4,6-Tribromophenol	*45.8*		"	*45.9*		*99.8*	*59-130*			
Surrogate: Phenol-d6	*38.6*		"	*45.4*		*85.0*	*44-115*			
Surrogate: Terphenyl-dl4	*28.7*		"	*45.1*		*63.6*	*40-110*			
Surrogate: Nitrobenzene-d5	*39.2*		"	*46.2*		*84.8*	*47-123*			
Matrix Spike Dup (1L30918-MSD1)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/12/03				
Phenol	36.5	10	ug/l	51.4	ND	71.0	55-116	17.3	35	
2-Chlorophenol	39.6	10	"	50.0	ND	79.2	46-121	10.8	36	
1,4-Dichlorobenzene	41.0	10	"	50.4	ND	81.3	47-110	8.86	44	
n-Nitroso-di-n-propylamine	34.2	10	"	50.0	ND	68.4	45-120	11.6	23	
(3 & 4)-Methylphenol	40.2	10	"	49.8	ND	80.7	70-130	14.1	20	
Nitrobenzene	45.4	10	"	54.4	ND	83.5	70-130	2.39	20	
2-Nitrophenol	51.8	10	"	52.0	ND	99.6	70-130	9.73	20	
4-Chloro-3-methylphenol	46.5	10	"	50.8	ND	91.5	59-123	1.08	28	
2,6-Dinitrotoluene	45.6	10	"	52.6	ND	86.7	57-132	8.81	11	
Diethyl Phthalate	12.0	10	"	53.4	ND	22.5	66-138	26.1	19	QM-12

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

Work Order: 13L0340

December 19, 2003

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 1L30918 - 3520C BNA Cont Liq										
Matrix Spike Dup (1L30918-MSD1)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/12/03				
4,6-Dinitro-2-methylphenol	64.3	20	ug/l	52.6	ND	122	70-130	3.16	20	
Pentachlorophenol	59.8	20	"	52.2	ND	115	51-138	4.97	27	
Phenanthrene	42.9	10	"	50.0	ND	85.8	70-130	3.44	20	
Anthracene	35.0	10	"	50.6	ND	69.2	70-130	2.31	20	QM-07
Di-n-butyl Phthalate	21.6	10	"	53.2	ND	40.6	70-130	20.0	20	QM-12
Fluoranthene	42.1	10	"	50.8	ND	82.9	70-130	0.946	20	
Pyrene	37.4	10	"	52.2	ND	71.6	48-119	5.46	29	
Surrogate: 2-Fluorophenol	*36.5*		"	*48.8*		*74.8*	*45-110*			
Surrogate: 2-Fluorobiphenyl	*39.2*		"	*45.1*		*86.9*	*50-110*			
Surrogate: 2,4,6-Tribromophenol	*42.5*		"	*45.9*		*92.6*	*59-130*			
Surrogate: Phenol-d6	*32.0*		"	*45.4*		*70.5*	*44-115*			
Surrogate: Terphenyl-d14	*26.4*		"	*45.1*		*58.5*	*40-110*			
Surrogate: Nitrobenzene-d5	*36.5*		"	*46.2*		*79.0*	*47-123*			
Reference (1L30918-SRM1)				Prepared: 12/09/03		Analyzed: 12/12/03				
Phenol	42.3	10	ug/l	51.5		82.1	70-130			
2-Chlorophenol	42.7	10	"	50.0		85.4	70-130			
1,4-Dichlorobenzene	46.7	10	"	50.5		92.5	70-130			
n-Nitroso-di-n-propylamine	42.9	10	"	50.0		85.8	70-130			
(3 & 4)-Methylphenol	44.8	10	"	49.8		90.0	70-130			
Nitrobenzene	58.6	10	"	54.5		108	70-130			
2-Nitrophenol	67.8	10	"	52.0		130	70-130			
4-Chloro-3-methylphenol	58.4	10	"	51.0		115	70-130			
Dimethylphthalate	50.8	15	"	53.5		95.0	70-130			
2,6-Dinitrotoluene	47.0	10	"	52.5		89.5	70-130			
Diethyl Phthalate	46.9	10	"	53.5		87.7	70-130			
4,6-Dinitro-2-methylphenol	67.0	20	"	52.5		128	70-130			
Pentachlorophenol	62.5	20	"	52.0		120	70-130			
Phenanthrene	46.4	10	"	50.0		92.8	70-130			
Anthracene	45.7	10	"	50.5		90.5	70-130			
Di-n-butyl Phthalate	41.1	10	"	53.0		77.5	70-130			
Fluoranthene	44.3	10	"	51.0		86.9	70-130			
Pyrene	40.9	10	"	52.0		78.7	70-130			
Surrogate: 2-Fluorophenol	*42.4*		"	*48.8*		*86.9*	*70-130*			
Surrogate: 2-Fluorobiphenyl	*50.9*		"	*45.1*		*113*	*70-130*			

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Novi, MI 48375

Work Order: 13L0340

December 19, 2003

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 1L30918 - 3520C BNA Cont Liq										
Reference (1L30918-SRM1)				Prepared: 12/09/03 Analyzed: 12/12/03						
Surrogate: 2,4,6-Tribromophenol	*49.6*		*ug/l*	*45.9*		*108*	*70-130*			
Surrogate: Phenol-d6	*41.3*		*"*	*45.4*		*91.0*	*70-130*			
Surrogate: Terphenyl-dl4	*36.6*		*"*	*45.1*		*81.2*	*70-130*			
Surrogate: Nitrobenzene-d5	*52.0*		*"*	*46.2*		*113*	*70-130*			

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Novi, MI 48375

Work Order: 13L0340

December 19, 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 1L31113 - 3510C NP/OC Sep Fnl										
Blank (1L31113-BLK1)				Prepared: 12/11/03		Analyzed: 12/18/03				
Arochlor 1016	ND	0.10	ug/l							
Arochlor 1221	ND	0.20	"							
Arochlor 1232	ND	0.20	"							
Arochlor 1242	ND	0.20	"							
Arochlor 1248	ND	0.20	"							
Arochlor 1254	ND	0.10	"							
Arochlor 1260	ND	0.10	"							
Surrogate: Decachlorobiphenyl	*0.505*		"	*0.882*		*57.3*	*50-125*			
LCS (1L31113-BS1)				Prepared: 12/11/03		Analyzed: 12/18/03				
Arochlor 1016	2.350	0.10	ug/l	2.800		83.9	58-130			
Arochlor 1260	2.550	0.10	"	2.800		91.1	58-147			
Surrogate: Decachlorobiphenyl	*0.260*		"	*0.882*		*29.5*	*50-125*			*S-07*
Calibration Check (1L31113-CCV1)				Prepared: 12/11/03		Analyzed: 12/18/03				
Arochlor 1016	1.297		ug/l	1.120		116	75-125			
Arochlor 1260	1.325		"	1.120		118	75-125			
Matrix Spike (1L31113-MS1)		**Source: 13L0340-01**		Prepared: 12/11/03		Analyzed: 12/18/03				
Arochlor 1016	4.342	0.14	ug/l	3.841	ND	113	60-140			
Arochlor 1260	4.383	0.14	"	3.841	ND	114	60-140			
Surrogate: Decachlorobiphenyl	*0.967*		"	*1.210*		*79.9*	*50-125*			
Matrix Spike Dup (1L31113-MSD1)		**Source: 13L0340-01**		Prepared: 12/11/03		Analyzed: 12/18/03				
Arochlor 1016	3.767	0.10	ug/l	3.369	ND	112	60-140	14.2	30	
Arochlor 1260	4.591	0.10	"	3.369	ND	136	60-140	4.64	30	
Surrogate: Decachlorobiphenyl	*1.029*		"	*1.061*		*97.0*	*50-125*			

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

Work Order: 13L0340

December 19, 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 1L31113 - 3510C NP/OC Sep Fnl										
Reference (1L31113-SRM1)				Prepared: 12/11/03		Analyzed: 12/18/03				
Arochlor 1016	3.480	0.10	ug/l	2.800		124	70-130			
Arochlor 1260	3.485	0.10	"	2.800		124	70-130			
Surrogate: Decachlorobiphenyl	*0.845*		"	*0.882*		*95.8*	*50-125*			

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Novi, MI 48375

Work Order: 13L0340

December 19, 2003

Determination of Conventional Chemistry Parameters - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1L31111 - Wet Chem Preparation										
Blank (1L31111-BLK1)				Prepared & Analyzed: 12/11/03						
Chemical Oxygen Demand	ND	10	mg/l							
LCS (1L31111-BS1)				Prepared & Analyzed: 12/11/03						
Chemical Oxygen Demand	74.2	10	mg/l	75.0		98.9	89-115			
Matrix Spike (1L31111-MS1)		**Source: 13L0340-06**		Prepared & Analyzed: 12/11/03						
Chemical Oxygen Demand	44.7	10	mg/l	42.9	ND	104	64-132			
Matrix Spike Dup (1L31111-MSD1)		**Source: 13L0340-06**		Prepared & Analyzed: 12/11/03						
Chemical Oxygen Demand	44.7	10	mg/l	42.9	ND	104	64-132	0.00	23	
Batch 1L31505 - Wet Chem Preparation										
Blank (1L31505-BLK1)				Prepared & Analyzed: 12/15/03						
Oil and Grease	ND	1	mg/l							
LCS (1L31505-BS1)				Prepared & Analyzed: 12/15/03						
Oil and Grease	161	1	mg/l	168		95.8	83-110			
Duplicate (1L31505-DUP1)		**Source: 13L0428-01**		Prepared & Analyzed: 12/15/03						
Oil and Grease	285	1	mg/l		187			41.5	30	QR-04

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Novi, MI 48375

Work Order: 13L0340

December 19, 2003

Determination of Physical/Conventional Chemistry Parameters - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1L30909 - Wet Chem Preparation										
Blank (1L30909-BLK1)				Prepared & Analyzed: 12/09/03						
Solids, total suspended	ND	1	mg/l							
LCS (1L30909-BS1)				Prepared & Analyzed: 12/09/03						
Solids, total suspended	14.0	1	mg/l	15.0		93.3	73-112			
Duplicate (1L30909-DUP1)		**Source: 13L0340-06**		Prepared & Analyzed: 12/09/03						
Solids, total suspended	46.4	4	mg/l		46			0.866	27	

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Work Order: 13L0340

December 19, 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 1L30901 - EPA 3010A Total ICP										
Blank (1L30901-BLK1)				Prepared & Analyzed: 12/09/03						
Barium, total	ND	0.010	mg/l							
Chromium, total	ND	0.005	"							
Lead, total	ND	0.005	"							
Lead, total	ND	0.005	"							
Silver, total	ND	0.010	"							
Zinc, total	ND	0.010	"							
LCS (1L30901-BS1)				Prepared & Analyzed: 12/09/03						
Barium, total	0.212	0.010	mg/l	0.200		106	90-113			
Chromium, total	0.208	0.005	"	0.200		104	88-110			
Lead, total	0.211	0.005	"	0.200		106	88-112			
Lead, total	0.211	0.005	"	0.200		106	88-112			
Silver, total	0.207	0.010	"	0.200		104	86-110			
Zinc, total	0.209	0.010	"	0.200		104	84-115			
Calibration Check (1L30901-CCV1)				Prepared & Analyzed: 12/09/03						
Barium, total	1.07		mg/l	1.00		107	85-115			
Chromium, total	1.02		"	1.00		102	85-115			
Lead, total	1.05		"	1.00		105	85-115			
Lead, total	1.05		"	1.00		105	85-115			
Silver, total	0.986		"	1.00		98.6	85-115			
Zinc, total	1.04		"	1.00		104	85-115			
Calibration Check (1L30901-CCV2)				Prepared & Analyzed: 12/09/03						
Barium, total	1.07		mg/l	1.00		107	85-115			
Chromium, total	1.04		"	1.00		104	85-115			
Lead, total	1.06		"	1.00		106	85-115			
Lead, total	1.06		"	1.00		106	85-115			
Silver, total	0.996		"	1.00		99.6	85-115			
Zinc, total	1.07		"	1.00		107	85-115			

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Work Order: 13L0340

December 19, 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 1L30901 - EPA 3010A Total ICP										
Calibration Check (1L30901-CCV5)				Prepared: 12/09/03		Analyzed: 12/10/03				
Barium, total	1.07		mg/l	1.00		107	85-115			
Chromium, total	1.03		"	1.00		103	85-115			
Lead, total	1.06		"	1.00		106	85-115			
Lead, total	1.06		"	1.00		106	85-115			
Silver, total	0.984		"	1.00		98.4	85-115			
Zinc, total	1.07		"	1.00		107	85-115			
Calibration Check (1L30901-CCV6)				Prepared: 12/09/03		Analyzed: 12/10/03				
Barium, total	1.07		mg/l	1.00		107	85-115			
Chromium, total	1.05		"	1.00		105	85-115			
Lead, total	1.08		"	1.00		108	85-115			
Lead, total	1.08		"	1.00		108	85-115			
Silver, total	0.980		"	1.00		98.0	85-115			
Zinc, total	1.10		"	1.00		110	85-115			
Matrix Spike (1L30901-MS1)		**Source: 13L0340-01**		Prepared & Analyzed: 12/09/03						
Barium, total	0.258	0.010	mg/l	0.200	0.045	106	83-117			
Chromium, total	0.210	0.005	"	0.200	ND	105	82-116			
Lead, total	0.214	0.005	"	0.200	0.004	105	87-114			
Lead, total	0.214	0.005	"	0.200	0.004	105	87-114			
Silver, total	0.208	0.010	"	0.200	ND	104	81-118			
Zinc, total	0.211	0.010	"	0.200	0.004	104	72-128			
Matrix Spike Dup (1L30901-MSD1)		**Source: 13L0340-01**		Prepared & Analyzed: 12/09/03						
Barium, total	0.260	0.010	mg/l	0.200	0.045	108	83-117	0.772	10	
Chromium, total	0.211	0.005	"	0.200	ND	106	82-116	0.475	10	
Lead, total	0.213	0.005	"	0.200	0.004	104	87-114	0.468	13	
Lead, total	0.213	0.005	"	0.200	0.004	104	87-114	0.468	13	
Silver, total	0.212	0.010	"	0.200	ND	106	81-118	1.90	10	
Zinc, total	0.213	0.010	"	0.200	0.004	104	72-128	0.943	13	

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

Work Order: 13L0340

December 19, 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 1L30901 - EPA 3010A Total ICP										
Post Spike (1L30901-PS1)		**Source: 13L0340-01**		Prepared & Analyzed: 12/09/03						
Barium, total	0.240	0.010	mg/l	0.200	0.045	97.5	77-119			
Chromium, total	0.194	0.005	"	0.200	ND	97.0	81-111			
Lead, total	0.200	0.005	"	0.200	0.004	98.0	81-114			
Lead, total	0.200	0.005	"	0.200	0.004	98.0	81-114			
Silver, total	0.198	0.010	"	0.200	ND	99.0	70-112			
Zinc, total	0.198	0.010	"	0.200	0.004	97.0	70-119			
Reference (1L30901-SRM1)				Prepared & Analyzed: 12/09/03						
Barium, total	0.518		mg/l	0.500		104	85-115			
Chromium, total	0.496		"	0.500		99.2	85-115			
Lead, total	0.513		"	0.500		103	85-115			
Lead, total	0.513		"	0.500		103	85-115			
Silver, total	0.498		"	0.500		99.6	85-115			
Zinc, total	0.506		"	0.500		101	85-115			
Reference (1L30901-SRM3)				Prepared: 12/09/03 Analyzed: 12/10/03						
Barium, total	0.524		mg/l	0.500		105	85-115			
Chromium, total	0.507		"	0.500		101	85-115			
Lead, total	0.524		"	0.500		105	85-115			
Lead, total	0.524		"	0.500		105	85-115			
Silver, total	0.502		"	0.500		100	85-115			
Zinc, total	0.524		"	0.500		105	85-115			
Batch 1L30921 - EPA 3020A Total GFAA										
Blank (1L30921-BLK1)				Prepared: 12/09/03 Analyzed: 12/10/03						
Arsenic, total	ND	0.005	mg/l							
Cadmium, total	ND	0.0010	"							
Selenium, total	ND	0.005	"							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1L30921 - EPA 3020A Total GFAA										
LCS (1L30921-BS1)				Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0260	0.005	mg/l	0.0250		104	79-122			
Cadmium, total	0.00101	0.0010	"	0.00100		101	76-134			
Selenium, total	0.0286	0.005	"	0.0250		114	81-118			
Calibration Check (1L30921-CCV1)				Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0253		mg/l	0.0250		101	90-110			
Selenium, total	0.0257		"	0.0250		103	90-110			
Calibration Check (1L30921-CCV2)				Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0248		mg/l	0.0250		99.2	85-115			
Selenium, total	0.0217		"	0.0250		86.8	85-115			
Calibration Check (1L30921-CCV3)				Prepared: 12/09/03		Analyzed: 12/11/03				
Cadmium, total	0.00109		mg/l	0.00100		109	90-110			
Calibration Check (1L30921-CCV4)				Prepared: 12/09/03		Analyzed: 12/11/03				
Cadmium, total	0.00096		mg/l	0.00100		96.0	85-115			
Matrix Spike (1L30921-MS1)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0252	0.005	mg/l	0.0250	ND	101	57-127			
Cadmium, total	0.00088	0.0010	"	0.00100	ND	88.0	51-120			
Selenium, total	0.0249	0.005	"	0.0250	0.002	91.6	64-111			
Matrix Spike Dup (1L30921-MSD1)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0248	0.005	mg/l	0.0250	ND	99.2	57-127	1.60	15	
Cadmium, total	0.00087	0.0010	"	0.00100	ND	87.0	51-120	1.14	20	
Selenium, total	0.0248	0.005	"	0.0250	0.002	91.2	64-111	0.402	11	

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Novi, MI 48375

Work Order: 13L0340

December 19, 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 1L30921 - EPA 3020A Total GFAA										
Post Spike (1L30921-PS1)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0129		mg/l	0.0125	ND	103	59-140			
Selenium, total	0.0136		"	0.0125	0.00200	92.8	67-122			
Post Spike (1L30921-PS2)		**Source: 13L0340-01**		Prepared: 12/09/03		Analyzed: 12/11/03				
Cadmium, total	0.00028		mg/l	0.000500	ND	56.0	50-123			
Reference (1L30921-SRM1)				Prepared: 12/09/03		Analyzed: 12/10/03				
Arsenic, total	0.0102	0.005	mg/l	0.0100		102	80-120			
Selenium, total	0.0102	0.005	"	0.0100		102	80-120			
Reference (1L30921-SRM2)				Prepared: 12/09/03		Analyzed: 12/11/03				
Cadmium, total	0.00073	0.0010	mg/l	0.000750		97.3	80-120			
Batch 1L31028 - EPA 245.1 Hg Dig										
Blank (1L31028-BLK1)				Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	ND	0.00050	mg/l							
LCS (1L31028-BS1)				Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00158	0.00050	mg/l	0.00200		79.0	70-129			
Calibration Check (1L31028-CCV1)				Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00212	0.00050	mg/l	0.00200		106	80-120			
Calibration Check (1L31028-CCV2)				Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00209	0.00050	mg/l	0.00200		104	80-120			

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41551 Eleven Mile Road
Novi, MI 48375

Work Order: 13L0340

December 19, 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 1L31028 - EPA 245.1 Hg Dig										
Matrix Spike (1L31028-MS1)		**Source: 13L0210-01**		Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00192	0.00050	mg/l	0.00200	0.00006	93.0	59-116			
Matrix Spike (1L31028-MS2)		**Source: 13L0340-01**		Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00183	0.00050	mg/l	0.00200	0.00004	89.5	59-116			
Matrix Spike Dup (1L31028-MSD1)		**Source: 13L0210-01**		Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00189	0.00050	mg/l	0.00200	0.00006	91.5	59-116	1.57	17	
Matrix Spike Dup (1L31028-MSD2)		**Source: 13L0340-01**		Prepared: 12/10/03		Analyzed: 12/11/03				
Mercury, total	0.00180	0.00050	mg/l	0.00200	0.00004	88.0	59-116	1.65	17	

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

Notes and Definitions

QM-07	The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-12	The spike recovery was outside acceptance limits for the MS and/or MSD.
QR-04	The RPD for this analyte exceeded acceptance limits.
QS-02	The spike recovery for this QC sample exceeded established acceptance limits. However, all samples were below the reporting and/or regulatory limit so the data is acceptable.
QS-03	The blank spike recovery was below established acceptance limits.
S-07	The surrogate recovery for this sample is outside of established control limits.

End of Report

Jeffrey King

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

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APPENDIX F

Table 4
LUST Soil Cleanup Guidelines for Undisturbed Soil

Site Features*	Score 15 if True		Score 10 if True		Score 5 if True		Score 0 if True	
Depth to groundwater?	> 100 ft.		100-51 ft.		50-25 ft.		< 25 ft.	0
Groundwater potable?	No	15					Yes	
Drinking water supply proximity?	> 1,000 ft. away	15	1,000-501 ft. away		500-100 ft. away		< 100 ft. away	
Distance to surface waters?	> 5,000 ft.		5,000-2,501 ft.		2,500-1,000 ft.	5	< 1,000 ft.	
Geologic features present?	> 2,000 ft.		2,000-1,001 ft.		1,000-500 ft.		< 500 ft.	0
Man-made vertical conduits?	> 500 ft.	15	500-251 ft.		250-100 ft.		< 100 ft.	
Man-made horizontal conduits?	> 250 ft.		250-101 ft.		100-50 ft.		< 50 ft.	0
Soil permeability? (see definitions)	Low	15	Low-Moderate		Moderate-High		High	
Soil thickness? (see overburden map)	> 50 ft		50-41 ft.		40-20 ft.	5	< 20 ft.	
Environmentally sensitive receptors?	> 5,000 ft.		5,000-2,501 ft.		2,500-1,000 ft.	5	< 1,000 ft.	
Surrounding land use?	> 1,000 ft. away		1,000-501 ft. away	10	500-100 ft. away		< 100 ft. away	
Future land use?	Industrial	15	Commercial				Residential	
Off-site impact?	No	15					Yes	
Subtotals		90		10		15		0
						Total Score =	115	

Soil Cleanup Levels (ppm)					
Total Score	195-150	149-120	119-80	79-50	49 or less
BTEX	4/20/100/100	2/10/50/50	1/5/10/10	0.5/1/2/2	B+T+E+X < 2
TPH	1000	500	200	100	50
MTBE	280		140		60

* See definitions of site features following this table.