APPENDIX A

LAB REPORTS

AMERICAN
WEST
ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

August 14, 2008

Jim Sage
JBR Environmental Consultants, Inc.
8160 So. Highland Dr. Ste A-4
Sandy, UT 84093

TEL: (801) 943-4144
FAX: (801) 942-1852

RE: KTIA

Lab Set ID: L85490

Dear Jim Sage:

American West Analytical Labs received 3 samples on 8/5/2008 for the analyses presented in the following report.

All analyses were performed in accordance to National Environmental Laboratory Accreditation Program (NELAP) protocols unless noted otherwise. If you have any questions or concerns regarding this report please feel free to call. The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction and/or purging efficiency.

Thank you.

Approved by: _____
Laboratory Director or designee

INORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM
Received: 8/5/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result
Oil & Grease	mg/L	8/11/2008 9:02:00 AM	1664A	3.0	**19**
TDS	mg/L	8/5/2008 2:00:00 PM	160.1	20	**6000**
Total Recoverable Petroleum Hydrocarbons	mg/L	8/12/2008 10:05:00 AM	1664A SGT	3.0	**5.1**

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-02
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM
Received: 8/5/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Oil & Grease	mg/L	8/11/2008 9:02:00 AM	1664A	3.0	**12**	@
TDS	mg/L	8/5/2008 2:00:00 PM	160.1	50	**4300**	
Total Recoverable Petroleum Hydrocarbons	mg/L	8/12/2008 10:05:00 AM	1664A SGT	3.0	< 3.0	@

@ - The sample required additional preservative upon receipt.

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INORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM
Received: 8/5/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Oil & Grease	mg/kg-dry	8/6/2008 8:03:00 AM	1664 MOD.	160	**17000**	[2]
TDS	mg/kg	8/8/2008 2:30:00 PM	160.1	10	**590**	
Total Recoverable Petroleum Hydrocarbons	mg/kg-dry	8/5/2008 10:00:00 AM	1664-SGT	160	**6200**	

[2] - *Analyte concentration is too high for accurate matrix spike recovery and/or RPD.*

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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01B
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM Extracted: 8/6/2008
Received: 8/5/2008 Analyzed: 8/8/2008 12:50:09 AM

Analysis Requested: TPH by SW8015B Mod.

Analytical Results **TPH-DRO-8015B Mod. (1L sample)**

Units = mg/L
Dilution Factor = 10

Compound	Reporting Limit	Analytical Result
Total Petroleum Hydrocarbon (DRO - C10-28)	5.0	**21**
Surr: 4-Bromofluorobenzene	10-230	**58.9**

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Jose Rocha
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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc.
Project ID: KTIA

Contact: Jim Sage

Lab Sample ID: L85490-02B
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM
Received: 8/5/2008

Extracted: 8/6/2008
Analyzed: 8/8/2008 1:10:57 AM

Analysis Requested: TPH by SW8015B Mod.

Analytical Results — **TPH-DRO-8015B Mod. (1L sample)**

Units = mg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
Total Petroleum Hydrocarbon (DRO - C10-28)	0.50	**5.3**
Surr: 4-Bromofluorobenzene	10-230	**70.0**

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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03B
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM Extracted: 8/6/2008
Received: 8/5/2008 Analyzed: 8/11/2008 5:56:51 PM

Analysis Requested: TPH by SW8015B

Analytical Results **TPH-DRO by 8015B/3545**

Units = mg/kg-dry **% Moisture: 7.4**
Dilution Factor = 10

Compound	Reporting Limit	Analytical Result
Total Petroleum Hydrocarbon (DRO - C10-28)	220	**5700**
Surr: 4-Bromofluorobenzene	10-169	**71.9**

Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01F
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM Extracted: 8/12/2008
Received: 8/5/2008 Analyzed: 8/12/2008 9:00:00 PM

Analysis Requested: Semi Volatiles by SW 8270C

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Analytical Results **SPLP 1312 Semivolatile Organics by 8270C/3510C**

Units = mg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
3 & 4-Methylphenol	0.010	< 0.010
2-Methylphenol	0.010	< 0.010
2,4-Dinitrotoluene	0.010	< 0.010
Hexachlorobenzene	0.010	< 0.010
Hexachlorobutadiene	0.010	< 0.010
Hexachloroethane	0.010	< 0.010
Nitrobenzene	0.010	< 0.010
Pentachlorophenol	0.010	< 0.010
Pyridine	0.010	< 0.010
2,4,5-Trichlorophenol	0.010	< 0.010
2,4,6-Trichlorophenol	0.010	< 0.010
Surr: 2,4,6-Tribromophenol	14-159	**60.9**
Surr: 2-Fluorobiphenyl	10-124	**68.0**
Surr: 2-Fluorophenol	10-106	**15.2**
Surr: 4-Terphenyl-d14	10-199	**68.5**
Surr: Nitrobenzene-d5	10-180	**56.4**
Surr: Phenol-d6	10-122	**16.4**

This sample was less than 0.5% solids and therefore filtered, not tumbled.

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-02F
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM Extracted: 8/12/2008
Received: 8/5/2008 Analyzed: 8/12/2008 9:26:00 PM

Analysis Requested: Semi Volatiles by SW 8270C

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Analytical Results **SPLP 1312 Semivolatile Organics by 8270C/3510C**

Units = mg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
3 & 4-Methylphenol	0.010	< 0.010
2-Methylphenol	0.010	< 0.010
2,4-Dinitrotoluene	0.010	< 0.010
Hexachlorobenzene	0.010	< 0.010
Hexachlorobutadiene	0.010	< 0.010
Hexachloroethane	0.010	< 0.010
Nitrobenzene	0.010	< 0.010
Pentachlorophenol	0.010	< 0.010
Pyridine	0.010	< 0.010
2,4,5-Trichlorophenol	0.010	< 0.010
2,4,6-Trichlorophenol	0.010	< 0.010
Surr: 2,4,6-Tribromophenol	14-159	**75.7**
Surr: 2-Fluorobiphenyl	10-124	**45.8**
Surr: 2-Fluorophenol	10-106	**20.7**
Surr: 4-Terphenyl-d14	10-199	**43.1**
Surr: Nitrobenzene-d5	10-180	**42.3**
Surr: Phenol-d6	10-122	**15.3**

This sample was less than 0.5% solids and therefore filtered, not tumbled.

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03E
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM Extracted: 8/12/2008
Received: 8/5/2008 Analyzed: 8/12/2008 9:52:00 PM

Analysis Requested: Semi Volatiles by SW 8270C

Analytical Results **SPLP 1312 Semivolatile Organics by 8270C/3510C**

Units = mg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
3 & 4-Methylphenol	0.010	< 0.010
2-Methylphenol	0.010	< 0.010
2,4-Dinitrotoluene	0.010	< 0.010
Hexachlorobenzene	0.010	< 0.010
Hexachlorobutadiene	0.010	< 0.010
Hexachloroethane	0.010	< 0.010
Nitrobenzene	0.010	< 0.010
Pentachlorophenol	0.010	< 0.010
Pyridine	0.010	< 0.010
2,4,5-Trichlorophenol	0.010	< 0.010
2,4,6-Trichlorophenol	0.010	< 0.010
Surr: 2,4,6-Tribromophenol	14-159	**82.8**
Surr: 2-Fluorobiphenyl	10-124	**56.2**
Surr: 2-Fluorophenol	10-106	**25.3**
Surr: 4-Terphenyl-d14	10-199	**56.8**
Surr: Nitrobenzene-d5	10-180	**44.8**
Surr: Phenol-d6	10-122	**17.2**

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Laboratory Director
Jose Rocha
QA Officer

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01A
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM
Received: 8/5/2008 Analyzed: 8/6/2008 1:46:00 PM

Analysis Requested: SW8260B/5030B

Analytical Results **8260-W-MBTEXN**

Units = mg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
Benzene	0.0010	< 0.0010
Toluene	0.0020	< 0.0020
Ethylbenzene	0.0020	< 0.0020
Xylenes, Total	0.0020	< 0.0020
Naphthalene	0.0020	< 0.0020
Surr: 1,2-Dichloroethane-d4	81-143	**102**
Surr: 4-Bromofluorobenzene	85-115	**97.3**
Surr: Dibromofluoromethane	80-124	**100**
Surr: Toluene-d8	88-120	**97.9**

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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-02A
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM
Received: 8/5/2008 Analyzed: 8/6/2008 2:11:00 PM

Analysis Requested: SW8260B/5030B

Analytical Results **8260-W-MBTEXN**

Units = mg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
Benzene	0.0010	< 0.0010
Toluene	0.0020	< 0.0020
Ethylbenzene	0.0020	< 0.0020
Xylenes, Total	0.0020	< 0.0020
Naphthalene	0.0020	< 0.0020
Surr: 1,2-Dichloroethane-d4	81-143	**99.0**
Surr: 4-Bromofluorobenzene	85-115	**95.6**
Surr: Dibromofluoromethane	80-124	**98.4**
Surr: Toluene-d8	88-120	**97.8**

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Laboratory Director

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QA Officer

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03A
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM
Received: 8/5/2008 Analyzed: 8/6/2008 3:59:00 PM

Analysis Requested: SW8260B/5030A

Analytical Results **8260-S-MBTEXN**

Units = mg/kg-dry **% Moisture: 7.4**
Dilution Factor = 2.53

Compound	Reporting Limit	Analytical Result
Benzene	0.0027	< 0.0027
Toluene	0.0055	**0.013**
Ethylbenzene	0.0055	< 0.0055
Xylenes, Total	0.0055	< 0.0055
Naphthalene	0.0055	< 0.0055
Surr: 1,2-Dichloroethane-d4	72-135	**99.4**
Surr: 4-Bromofluorobenzene	71-144	**137**
Surr: Dibromofluoromethane	73-126	**101**
Surr: Toluene-d8	72-129	**118**

Internal standard areas were outside of the QC limits. Reanalysis and/or MS samples yielded similar results indicating matrix interference.

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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01E
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM Extracted: 8/11/2008 12:00:00 PM
Received: 8/5/2008 Analyzed: 8/12/2008 3:44:00 PM

Analysis Requested: 8260B/5030B

Analytical Results **SPLP 1312 VOLATILES by GC/MS 8260B**

Units = mg/L
Dilution Factor = 20

Compound	Reporting Limit	Analytical Result
Benzene	0.040	< 0.040
Carbon tetrachloride	0.040	< 0.040
Chlorobenzene	0.040	< 0.040
Chloroform	0.040	< 0.040
1,4-Dichlorobenzene	0.040	< 0.040
1,2-Dichloroethane	0.040	< 0.040
1,1-Dichloroethene	0.040	< 0.040
2-Butanone	0.20	< 0.20
Tetrachloroethene	0.040	< 0.040
Trichloroethene	0.040	< 0.040
Vinyl chloride	0.020	< 0.020
Surr: 1,2-Dichloroethane-d4	81-143	**101**
Surr: 4-Bromofluorobenzene	85-115	**99.6**
Surr: Dibromofluoromethane	80-124	**99.5**
Surr: Toluene-d8	88-120	**98.7**

The pH of the sample was >2. Analysis was performed within the 7 day holding time.
This sample was less than 0.5% solids and therefore filtered, not tumbled.

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Laboratory Director
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QA Officer

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-02E
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM Extracted: 8/11/2008 12:00:00 PM
Received: 8/5/2008 Analyzed: 8/12/2008 4:09:00 PM

Analysis Requested: 8260B/5030B

Analytical Results **SPLP 1312 VOLATILES by GC/MS 8260B**

Units = mg/L
Dilution Factor = 20

Compound	Reporting Limit	Analytical Result
Benzene	0.040	< 0.040
Carbon tetrachloride	0.040	< 0.040
Chlorobenzene	0.040	< 0.040
Chloroform	0.040	< 0.040
1,4-Dichlorobenzene	0.040	< 0.040
1,2-Dichloroethane	0.040	< 0.040
1,1-Dichloroethene	0.040	< 0.040
2-Butanone	0.20	< 0.20
Tetrachloroethene	0.040	< 0.040
Trichloroethene	0.040	< 0.040
Vinyl chloride	0.020	< 0.020
Surr: 1,2-Dichloroethane-d4	81-143	**101**
Surr: 4-Bromofluorobenzene	85-115	**99.0**
Surr: Dibromofluoromethane	80-124	**99.9**
Surr: Toluene-d8	88-120	**99.0**

The pH of the sample was >2. Analysis was performed within the 7 day holding time.
This sample was less than 0.5% solids and therefore filtered, not tumbled.

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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03D
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM Extracted: 8/11/2008 12:00:00 PM
Received: 8/5/2008 Analyzed: 8/12/2008 3:19:00 PM

Analysis Requested: 8260B/5030B

Analytical Results **SPLP 1312 VOLATILES by GC/MS 8260B**

Units = mg/L
Dilution Factor = 20

Compound	Reporting Limit	Analytical Result
Benzene	0.040	< 0.040
Carbon tetrachloride	0.040	< 0.040
Chlorobenzene	0.040	< 0.040
Chloroform	0.040	< 0.040
1,4-Dichlorobenzene	0.040	< 0.040
1,2-Dichloroethane	0.040	< 0.040
1,1-Dichloroethene	0.040	< 0.040
2-Butanone	0.20	< 0.20
Tetrachloroethene	0.040	< 0.040
Trichloroethene	0.040	< 0.040
Vinyl chloride	0.020	< 0.020
Surr: 1,2-Dichloroethane-d4	81-143	**97.9**
Surr: 4-Bromofluorobenzene	85-115	**102**
Surr: Dibromofluoromethane	80-124	**100**
Surr: Toluene-d8	88-120	**98.8**

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August 29, 2008

Jim Sage
JBR Environmental Consultants, Inc.
8160 So. Highland Dr. Ste A-4
Sandy, UT 84093

TEL: (801) 943-4144
FAX: (801) 942-1852

RE: KTIA

Lab Set ID: L85490

Dear Jim Sage:

American West Analytical Labs received 3 samples on 8/5/2008 for the analyses presented in the following report.

All analyses were performed in accordance to National Environmental Laboratory Accreditation Program (NELAP) protocols unless noted otherwise. If you have any questions or concerns regarding this report please feel free to call. The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction and/or purging efficiency.

Addendum to original report issued 8/14/2008.

Thank you.

Approved by: _____
Laboratory Director or designee

INORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM
Received: 8/5/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
pH @ 25° C	pH Units	8/28/2008 11:46:00 PM	4500H+B	1.00	**3.24**	**H**

H - Analysis requested by the client after the holding time expired.

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-02
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM
Received: 8/5/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
pH @ 25° C	pH Units	8/28/2008 11:46:00 PM	4500H+B	1.00	**6.59**	**H**

H - Analysis requested by the client after the holding time expired.

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Jose Rocha
QA Officer

INORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM
Received: 8/5/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
pH @ 25° C	pH Units	8/28/2008 10:44:00 PM	9045D	1.00	**8.51**	**H**

H - Analysis requested by the client after the holding time expired.

AMERICAN WEST ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-01A
Field Sample ID: **MW-1**
Collected: 8/4/2008 11:50:00 AM
Received: 8/5/2008 Analyzed: 8/6/2008 1:46:00 PM

Analysis Requested: 8260B/5030B

Analytical Results **VOLATILES by GC/MS 8260B**

Units = µg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
n-Hexane	2.0	< 2.0
Surr: 1,2-Dichloroethane-d4	81-143	**102**
Surr: 4-Bromofluorobenzene	85-115	**97.3**
Surr: Dibromofluoromethane	80-124	**100**
Surr: Toluene-d8	88-120	**97.9**

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Jose Rocha
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ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-02A
Field Sample ID: **MW-3**
Collected: 8/4/2008 1:13:00 PM
Received: 8/5/2008 Analyzed: 8/6/2008 2:11:00 PM

Analysis Requested: 8260B/5030B

Analytical Results **VOLATILES by GC/MS 8260B**

Units = µg/L
Dilution Factor = 1

Compound	Reporting Limit	Analytical Result
n-Hexane	2.0	< 2.0
Surr: 1,2-Dichloroethane-d4	81-143	**99.0**
Surr: 4-Bromofluorobenzene	85-115	**95.6**
Surr: Dibromofluoromethane	80-124	**98.4**
Surr: Toluene-d8	88-120	**97.8**

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYSIS REPORT

Client: JBR Environmental Consultants, Inc. Contact: Jim Sage
Project ID: KTIA

Lab Sample ID: L85490-03A
Field Sample ID: **SS-1**
Collected: 8/4/2008 1:59:00 PM
Received: 8/5/2008 Analyzed: 8/6/2008 3:59:00 PM

Analysis Requested: 8260B/5030B

Analytical Results **VOLATILES by GC/MS 8260B**

Units = µg/kg-dry **% Moisture: 7.4**
Dilution Factor = 2.53

Compound	Reporting Limit	Analytical Result
n-Hexane	5.5	< 5.5
Surr: 1,2-Dichloroethane-d4	72-135	**99.4**
Surr: 4-Bromofluorobenzene	71-144	**137**
Surr: Dibromofluoromethane	73-126	**101**
Surr: Toluene-d8	72-129	**118**

Internal standard areas were outside of the QC limits. Reanalysis and/or MS samples yielded similar results indicating matrix interference.

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John Schulman
JBR Environmental Consultants, Inc.
8160 So. Highland Dr. Ste A-4
Sandy, UT 84093-

TEL: (801) 943-4144
FAX (801) 942-1852

RE: KTIA GW Sampling

Lab Set ID: 0909274

Dear John Schulman:

American West Analytical Laboratories received 2 sample(s) on 9/16/2009 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in the following states: Utah, Colorado, Idaho, and Texas. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitaion limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit.

Thank You,

Approved by: _____
Laboratory Director or designee

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001E
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/17/2009 8:58:00 PM
Received Date: 9/16/2009
Method Used: SW8260C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results VOAs by GC/MS Method 8260C/5030C

Units: µg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
n-Hexane	110-54-3	2.0	< 2.0	
Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	**99.2**	
Surr: 4-Bromofluorobenzene	460-00-4	80-123	**103**	
Surr: Dibromofluoromethane	1868-53-7	80-124	**98.4**	
Surr: Toluene-d8	2037-26-5	80-125	**103**	

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002E
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM **Analyzed:** 9/17/2009 9:17:00 PM
Received Date: 9/16/2009
Method Used: SW8260C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results VOAs by GC/MS Method 8260C/5030C

Units: µg/L
Dilution Factor: 10

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
n-Hexane	110-54-3	20	< 20	
Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	**96.5**	
Surr: 4-Bromofluorobenzene	460-00-4	80-123	**105**	
Surr: Dibromofluoromethane	1868-53-7	80-124	**96.0**	
Surr: Toluene-d8	2037-26-5	80-125	**107**	

The reporting limits were raised due to sample matrix interferences.

American West Analytical Laboratories

WORK ORDER Summary

16-Sep-09

Work Order: 0909274

WO Type: Standard

Client ID: JBR400

Contact: John Schulman

Project: KTIA GW Sampling **QC Level:** LEVEL I **Reviewed by on**

Comments: PA Rush; Special report: Break out Hexane and report alone; Email 2 people; Footnote: pH received outside of hold time;

HOK-DB

SPJ

Sample ID	Client Sample ID	Date Collected	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0909274-001A	DTE MW-1	9/15/2009 11:57:00 AM	9/16/2009 10:09:14 AM	9/24/2009	Aqueous	8260-W	☐	☐	☑	☐	VOCFridge
0909274-001B				9/24/2009		3510-SVOA-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		3510-TPH-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		8015-W-TPH(1L)	☐	☐	☑	☐	Hall-TPH/semi
				9/24/2009		8270-W	☐	☐	☑	☐	Hall-TPH/semi
0909274-001C				9/24/2009		OGB-W-1664A	☐	☐	☐	☐	ogf/ogb
				9/24/2009		OGF-W-1664SGT	☐	☐	☐	☐	ogf/ogb
0909274-001D				9/24/2009		PH-4500H+B	☐	☐	☐	☐	ww - tds/share
				9/24/2009		TDS-W-160.1	☐	☐	☐	☐	ww - tds/share
0909274-001E				9/24/2009		8260-W	☐	☐	☑	☐	
0909274-002A	DTE MW-3	9/15/2009 12:56:00 PM		9/24/2009		8260-W	☐	☐	☑	☐	VOCFridge
0909274-002B				9/24/2009		3510-SVOA-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		3510-TPH-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		8015-W-TPH(1L)	☐	☐	☑	☐	Hall-TPH/semi
				9/24/2009		8270-W	☐	☐	☑	☐	Hall-TPH/semi
0909274-002C				9/24/2009		OGB-W-1664A	☐	☐	☐	☐	ogf/ogb
				9/24/2009		OGF-W-1664SGT	☐	☐	☐	☐	ogf/ogb
0909274-002D				9/24/2009		PH-4500H+B	☐	☐	☐	☐	ww - tds/share
				9/24/2009		TDS-W-160.1	☐	☐	☐	☐	ww - tds/share
0909274-002E				9/24/2009		8260-W	☐	☐	☑	☐	

Client JBR ENVIRONMENTAL CONSULTANTS

Address 8160 SO HIGHLAND DRIVE

SANDY (City) UT (State) 84093 (Zip)

Phone 801 943 4144 Fax 943 1852

Contact JOHN SCHULMAN

E-mail jschulman@jbrenv.com

Project Name KTIA GW SAMPLING

Project Number/P.O.#

Sampler Name J. SAGE

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CHAIN OF CUSTODY

Lab Sample Set # 0909274

Page 1 of 1

Turn Around Time (Circle One)

1 day 2 day 3 day 4 day 5 day Standard

Sample ID	Date/Time Collected	Matrix	Number of Containers (Total)	TESTS REQUIRED (8260B 9/15/09) BTEXN	TPH-GRO	TPH-DRO (*Run DRO 8015 per James S.)	OIL & GREASE	TDS	TPPH	SEMI VOLS	VOLS	PH		QC LEVEL 1 2 2+ 3 3+ 4 COMMENTS
DTE MW-1	9/15/09 1157	W	8	X	X	X	X	X	X	X	X	X		
DTE MW-3	9/15/09 1256	W	8	X	X	X	X	X	X	X	X	X		

LABORATORY USE ONLY

SAMPLES WERE:

1 Shipped or hand delivered
Notes:

2 Ambient or Chilled
Notes: ONICE

3 Temperature 1.2

4 Received Broken/Leaking (Improperly Sealed) Y (N)
Notes:

5 Properly Preserved Y N
Checked at Bench Y N
Notes:

6 Received Within Holding Times Y (N)
Notes: PH received out of Hold

COC Tape Was:

1 Present on Outer Package Y (N) NA

2 Unbroken on Outer Package Y N (NA)

3 Present on Sample Y (N) NA

4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)
Notes:

Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME JAMES SAGE	Time 1000	PRINT NAME Samantha Broadhead	Time 1000
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time

Special Instructions:

* BREAK OUT HEXANE AND REPORT ALONE.

* ALSO EMAIL TO jsage@jbrenv.com

Sample Set: 0909274

Preservation Check Sheet

Sample Set Extension and pH

Bottle Type	Preservative	All OK	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except
Ammonia	pH <2 H_2SO_4																
COD	pH <2 H_2SO_4																
Cyanide	PH >12 NaOH																
Metals	pH <2 HNO_3																
NO_2 & NO_3	pH <2 H_2SO_4																
Nutrients	pH <2 H_2SO_4																
O & G	pH <2 HCL	✓															
Phenols	pH <2 H_2SO_4																
Sulfide	pH > 9NaOH, Zn Acetate																
TKN	pH <2 H_2SO_4																
TOC	pH <2 H_3PO_4																
TOX	pH <2 H_2SO_4																
T PO_4	pH <2 H_2SO_4																
TPH	pH <2 HCL																

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

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John Schulman
JBR Environmental Consultants, Inc.
8160 So. Highland Dr. Ste A-4
Sandy, UT 84093-

TEL: (801) 943-4144
FAX (801) 942-1852

RE: KTIA GW Sampling

Lab Set ID: 0909274

Dear John Schulman:

American West Analytical Laboratories received 2 sample(s) on 9/16/2009 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in the following states: Utah, Colorado, Idaho, and Texas. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitaion limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit.

Thank You,

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Approved by: _____
Laboratory Director or designee

INORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM
Received Date: 9/16/2009

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Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Oil & Grease	mg/L	9/17/2009 12:15:00 PM	E1664AMod.	3.0	**3.8**	
pH @ 25° C	pH Units	9/16/2009 5:30:00 PM	A4500-H+B	1.00	**3.80**	H
Total Dissolved Solids	mg/L	9/20/2009 1:00:00 PM	E160.1	50	**5,200**	
Total Recoverable Petroleum Hydrocarbons	mg/L	9/18/2009 2:15:00 PM	E1664A-SGT	3.0	< 3.0	

H - Sample was received outside of the holding time.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM
Received Date: 9/16/2009

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Oil & Grease	mg/L	9/17/2009 12:15:00 PM	E1664AMod.	3.0	**16**	
pH @ 25° C	pH Units	9/16/2009 5:30:00 PM	A4500-H+B	1.00	**6.71**	H
Total Dissolved Solids	mg/L	9/20/2009 1:00:00 PM	E160.1	50	**3,700**	
Total Recoverable Petroleum Hydrocarbons	mg/L	9/18/2009 2:15:00 PM	E1664A-SGT	3.0	< 3.0	

H - Sample was received outside of the holding time.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001B
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/16/2009 4:37:31 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 1:15:00 PM
Method Used: SW8015D

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3510C

Units: mg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	0.50	**7.5**	
Surr: 4-Bromofluorobenzene	460-00-4	10-190	**44.0**	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client:	JBR Environmental Consultants, Inc.	**Contact:**	John Schulman
Project:	KTIA GW Sampling		
Lab Sample ID:	0909274-002B		
Client Sample ID:	DTE MW-3		
Collection Date:	9/15/2009 12:56:00 PM	**Analyzed:**	9/16/2009 4:58:25 PM
Received Date:	9/16/2009	**Extracted:**	9/16/2009 1:15:00 PM
Method Used:	SW8015D		

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3510C

Units: mg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	0.51	**4.5**	
Surr: 4-Bromofluorobenzene	460-00-4	10-190	**35.0**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001B
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/17/2009 9:10:00 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 3:00:00 PM
Method Used: SW8270D

Analytical Results SVOAs TCL List by GC/MS Method 8270D/3510C

Units: µg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
1,2,4-Trichlorobenzene	120-82-1	10	< 10	
1,2-Dichlorobenzene	95-50-1	10	< 10	
1,3-Dichlorobenzene	541-73-1	10	< 10	
1,4-Dichlorobenzene	106-46-7	10	< 10	
1-Methylnaphthalene	90-12-0	10	< 10	
2,4,5-Trichlorophenol	95-95-4	10	< 10	
2,4,6-Trichlorophenol	88-06-2	10	< 10	
2,4-Dichlorophenol	120-83-2	10	< 10	
2,4-Dimethylphenol	105-67-9	10	< 10	
2,4-Dinitrophenol	51-28-5	20	< 20	
2,4-Dinitrotoluene	121-14-2	10	< 10	
2,6-Dichlorophenol	87-65-0	10	< 10	
2,6-Dinitrotoluene	606-20-2	10	< 10	
2-Chloronaphthalene	91-58-7	10	< 10	
2-Chlorophenol	95-57-8	10	< 10	
2-Methylnaphthalene	91-57-6	10	< 10	
2-Methylphenol	95-48-7	10	< 10	
2-Nitroaniline	88-74-4	10	< 10	
2-Nitrophenol	88-75-5	10	< 10	
3&4-Methylphenol		10	< 10	
3,3'-Dichlorobenzidine	91-94-1	10	< 10	
3-Nitroaniline	99-09-2	10	< 10	
4,6-Dinitro-2-methylphenol	534-52-1	10	< 10	
4-Bromophenyl phenyl ether	101-55-3	10	< 10	
4-Chloro-3-methylphenol	59-50-7	10	< 10	
4-Chloroaniline	106-47-8	10	< 10	
4-Chlorophenyl phenyl ether	7005-72-3	10	< 10	
4-Nitroaniline	100-01-6	10	< 10	
4-Nitrophenol	100-02-7	10	< 10	

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001B
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/17/2009 9:10:00 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 3:00:00 PM
Method Used: SW8270D

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results SVOAs TCL List by GC/MS Method 8270D/3510C

Units: µg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Acenaphthene	83-32-9	10	< 10	
Acenaphthylene	208-96-8	10	< 10	
Aniline	62-53-3	10	< 10	
Anthracene	120-12-7	10	< 10	
Benz(a)anthracene	56-55-3	10	< 10	
Benzidine	92-87-5	10	< 10	
Benzo(a)pyrene	50-32-8	10	< 10	
Benzo(b)fluoranthene	205-99-2	10	< 10	
Benzo(g,h,i)perylene	191-24-2	10	< 10	
Benzo(k)fluoranthene	207-08-9	10	< 10	
Benzoic acid	65-85-0	20	< 20	
Benzyl alcohol	100-51-6	10	< 10	
Bis(2-chloroethoxy)methane	111-91-1	10	< 10	
Bis(2-chloroethyl) ether	111-44-4	10	< 10	
Bis(2-chloroisopropyl) ether	108-60-1	10	< 10	
Bis(2-ethylhexyl) phthalate	117-81-7	10	< 10	
Chrysene	218-01-9	10	< 10	
Di-n-butyl phthalate	84-74-2	10	< 10	
Di-n-octyl phthalate	117-84-0	10	< 10	
Dibenz(a,h)anthracene	53-70-3	10	< 10	
Dibenzofuran	132-64-9	10	< 10	
Diethyl phthalate	84-66-2	10	< 10	
Dimethyl phthalate	131-11-3	10	< 10	
Fluoranthene	206-44-0	10	< 10	
Fluorene	86-73-7	10	< 10	
Hexachlorobenzene	118-74-1	10	< 10	
Hexachlorobutadiene	87-68-3	10	< 10	
Hexachlorocyclopentadiene	77-47-4	10	< 10	
Hexachloroethane	67-72-1	10	< 10	

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001B
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/17/2009 9:10:00 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 3:00:00 PM
Method Used: SW8270D

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

Analytical Results SVOAs TCL List by GC/MS Method 8270D/3510C

Units: µg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Indene	95-13-6	10	< 10	
Indeno(1,2,3-cd)pyrene	193-39-5	10	< 10	
Isophorone	78-59-1	10	< 10	
N-Nitrosodimethylamine	62-75-9	10	< 10	
N-Nitrosodiphenylamine	86-30-6	10	< 10	
N-Nitrosodi-n-propylamine	621-64-7	10	< 10	
Naphthalene	91-20-3	10	< 10	
Nitrobenzene	98-95-3	10	< 10	
Pentachlorophenol	87-86-5	10	< 10	
Phenanthrene	85-01-8	10	< 10	
Phenol	108-95-2	10	< 10	
Pyrene	129-00-0	10	< 10	
Pyridine	110-86-1	10	< 10	
Quinoline	91-22-5	10	< 10	
Surr: 2,4,6-Tribromophenol	118-79-6	14-159	**60.6**	
Surr: 2-Fluorobiphenyl	321-60-8	10-124	**52.2**	
Surr: 2-Fluorophenol	367-12-4	10-106	**36.4**	
Surr: Nitrobenzene-d5	4165-60-0	10-180	**15.7**	
Surr: Phenol-d6	13127-88-3	10-122	**26.5**	
Surr: Terphenyl-d14	1718-51-0	10-199	**105**	

Internal standard areas were outside of the QC limits. Reanalysis and/or MS samples yielded similar results indicating matrix interference.

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002B
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM **Analyzed:** 9/17/2009 9:38:00 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 3:00:00 PM
Method Used: SW8270D

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Analytical Results SVOAs TCL List by GC/MS Method 8270D/3510C

Units: µg/L
Dilution Factor: 4

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
1,2,4-Trichlorobenzene	120-82-1	40	< 40	
1,2-Dichlorobenzene	95-50-1	40	< 40	
1,3-Dichlorobenzene	541-73-1	40	< 40	
1,4-Dichlorobenzene	106-46-7	40	< 40	
1-Methylnaphthalene	90-12-0	40	< 40	
2,4,5-Trichlorophenol	95-95-4	40	< 40	
2,4,6-Trichlorophenol	88-06-2	40	< 40	
2,4-Dichlorophenol	120-83-2	40	< 40	
2,4-Dimethylphenol	105-67-9	40	< 40	
2,4-Dinitrophenol	51-28-5	81	< 81	
2,4-Dinitrotoluene	121-14-2	40	< 40	
2,6-Dichlorophenol	87-65-0	40	< 40	
2,6-Dinitrotoluene	606-20-2	40	< 40	
2-Chloronaphthalene	91-58-7	40	< 40	
2-Chlorophenol	95-57-8	40	< 40	
2-Methylnaphthalene	91-57-6	40	< 40	
2-Methylphenol	95-48-7	40	< 40	
2-Nitroaniline	88-74-4	40	< 40	
2-Nitrophenol	88-75-5	40	< 40	
3&4-Methylphenol		40	< 40	
3,3'-Dichlorobenzidine	91-94-1	40	< 40	
3-Nitroaniline	99-09-2	40	< 40	
4,6-Dinitro-2-methylphenol	534-52-1	40	< 40	
4-Bromophenyl phenyl ether	101-55-3	40	< 40	
4-Chloro-3-methylphenol	59-50-7	40	< 40	
4-Chloroaniline	106-47-8	40	< 40	
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40	
4-Nitroaniline	100-01-6	40	< 40	
4-Nitrophenol	100-02-7	40	< 40	

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002B
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM **Analyzed:** 9/17/2009 9:38:00 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 3:00:00 PM
Method Used: SW8270D

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Laboratory Director

Jose Rocha
QA Officer

Analytical Results SVOAs TCL List by GC/MS Method 8270D/3510C

Units: µg/L
Dilution Factor: 4

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Acenaphthene	83-32-9	40	< 40	
Acenaphthylene	208-96-8	40	< 40	
Aniline	62-53-3	40	< 40	
Anthracene	120-12-7	40	< 40	
Benz(a)anthracene	56-55-3	40	< 40	
Benzidine	92-87-5	40	< 40	
Benzo(a)pyrene	50-32-8	40	< 40	
Benzo(b)fluoranthene	205-99-2	40	< 40	
Benzo(g,h,i)perylene	191-24-2	40	< 40	
Benzo(k)fluoranthene	207-08-9	40	< 40	
Benzoic acid	65-85-0	81	< 81	
Benzyl alcohol	100-51-6	40	< 40	
Bis(2-chloroethoxy)methane	111-91-1	40	< 40	
Bis(2-chloroethyl) ether	111-44-4	40	< 40	
Bis(2-chloroisopropyl) ether	108-60-1	40	< 40	
Bis(2-ethylhexyl) phthalate	117-81-7	40	< 40	
Chrysene	218-01-9	40	< 40	
Di-n-butyl phthalate	84-74-2	40	< 40	
Di-n-octyl phthalate	117-84-0	40	< 40	
Dibenz(a,h)anthracene	53-70-3	40	< 40	
Dibenzofuran	132-64-9	40	< 40	
Diethyl phthalate	84-66-2	40	< 40	
Dimethyl phthalate	131-11-3	40	< 40	
Fluoranthene	206-44-0	40	< 40	
Fluorene	86-73-7	40	< 40	
Hexachlorobenzene	118-74-1	40	< 40	
Hexachlorobutadiene	87-68-3	40	< 40	
Hexachlorocyclopentadiene	77-47-4	40	< 40	
Hexachloroethane	67-72-1	40	< 40	

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002B
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM **Analyzed:** 9/17/2009 9:38:00 PM
Received Date: 9/16/2009 **Extracted:** 9/16/2009 3:00:00 PM
Method Used: SW8270D

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Analytical Results SVOAs TCL List by GC/MS Method 8270D/3510C

Units: µg/L
Dilution Factor: 4

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Indene	95-13-6	40	< 40	
Indeno(1,2,3-cd)pyrene	193-39-5	40	< 40	
Isophorone	78-59-1	40	< 40	
N-Nitrosodimethylamine	62-75-9	40	< 40	
N-Nitrosodiphenylamine	86-30-6	40	< 40	
N-Nitrosodi-n-propylamine	621-64-7	40	< 40	
Naphthalene	91-20-3	40	< 40	
Nitrobenzene	98-95-3	40	< 40	
Pentachlorophenol	87-86-5	40	< 40	
Phenanthrene	85-01-8	40	< 40	
Phenol	108-95-2	40	< 40	
Pyrene	129-00-0	40	< 40	
Pyridine	110-86-1	40	< 40	
Quinoline	91-22-5	40	< 40	
Surr: 2,4,6-Tribromophenol	118-79-6	14-159	**55.0**	
Surr: 2-Fluorobiphenyl	321-60-8	10-124	**64.5**	
Surr: 2-Fluorophenol	367-12-4	10-106	26.0	
Surr: Nitrobenzene-d5	4165-60-0	10-180	37.9	
Surr: Phenol-d6	13127-88-3	10-122	22.0	
Surr: Terphenyl-d14	1718-51-0	10-199	**101**	

The reporting limits were raised due to sample matrix interferences.
Internal standard areas were outside of the QC limits. Reanalysis and/or MS samples yielded similar results indicating matrix interference.

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001A
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/17/2009 8:58:00 PM
Received Date: 9/16/2009
Method Used: SW8260C

Analytical Results VOAs AWAL+ List by GC/MS Method 8260C/5030C

Units: µg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
1,1,1-Trichloroethane	71-55-6	2.0	< 2.0	
1,1,2,2-Tetrachloroethane	79-34-5	2.0	< 2.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	2.0	< 2.0	
1,1,2-Trichloroethane	79-00-5	2.0	< 2.0	
1,1-Dichloroethane	75-34-3	2.0	< 2.0	
1,1-Dichloroethene	75-35-4	2.0	< 2.0	
1,2,4-Trichlorobenzene	120-82-1	2.0	< 2.0	
1,2-Dibromo-3-chloropropane	96-12-8	5.0	< 5.0	
1,2-Dibromoethane	106-93-4	2.0	< 2.0	
1,2-Dichlorobenzene	95-50-1	2.0	< 2.0	
1,2-Dichloroethane	107-06-2	2.0	< 2.0	
1,2-Dichloropropane	78-87-5	2.0	< 2.0	
1,3-Dichlorobenzene	541-73-1	2.0	< 2.0	
1,4-Dichlorobenzene	106-46-7	2.0	< 2.0	
2-Butanone	78-93-3	10	< 10	
2-Hexanone	591-78-6	5.0	< 5.0	
4-Methyl-2-pentanone	108-10-1	5.0	< 5.0	
Acetone	67-64-1	10	< 10	
Benzene	71-43-2	2.0	< 2.0	
Bromodichloromethane	75-27-4	2.0	< 2.0	
Bromoform	75-25-2	2.0	< 2.0	
Bromomethane	74-83-9	5.0	< 5.0	
Carbon disulfide	75-15-0	2.0	< 2.0	
Carbon tetrachloride	56-23-5	2.0	< 2.0	
Chlorobenzene	108-90-7	2.0	< 2.0	
Chloroethane	75-00-3	2.0	< 2.0	
Chloroform	67-66-3	2.0	< 2.0	
Chloromethane	74-87-3	3.0	< 3.0	
cis-1,2-Dichloroethene	156-59-2	2.0	< 2.0	

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-001A
Client Sample ID: DTE MW-1
Collection Date: 9/15/2009 11:57:00 AM **Analyzed:** 9/17/2009 8:58:00 PM
Received Date: 9/16/2009
Method Used: SW8260C

Analytical Results VOAs AWAL+ List by GC/MS Method 8260C/5030C

Units: µg/L
Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
cis-1,3-Dichloropropene	10061-01-5	2.0	< 2.0	
Cyclohexane	110-82-7	2.0	< 2.0	
Dibromochloromethane	124-48-1	2.0	< 2.0	
Dichlorodifluoromethane	75-71-8	2.0	< 2.0	
Ethylbenzene	100-41-4	2.0	< 2.0	
Isopropylbenzene	98-82-8	2.0	< 2.0	
Methyl Acetate	79-20-9	5.0	< 5.0	
Methyl tert-butyl ether	1634-04-4	2.0	< 2.0	
Methylcyclohexane	108-87-2	2.0	< 2.0	
Methylene chloride	75-09-2	2.0	< 2.0	
Naphthalene	91-20-3	2.0	< 2.0	
Styrene	100-42-5	2.0	< 2.0	
Tetrachloroethene	127-18-4	2.0	< 2.0	
Toluene	108-88-3	2.0	< 2.0	
trans-1,2-Dichloroethene	156-60-5	2.0	< 2.0	
trans-1,3-Dichloropropene	10061-02-6	2.0	< 2.0	
Trichloroethene	79-01-6	2.0	< 2.0	
Trichlorofluoromethane	75-69-4	2.0	< 2.0	
Vinyl chloride	75-01-4	1.0	< 1.0	
Xylenes, Total	1330-20-7	2.0	< 2.0	
TPH C6-C10 (GRO)		20	< 20	
Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	**99.2**	
Surr: 4-Bromofluorobenzene	460-00-4	80-123	**103**	
Surr: Dibromofluoromethane	1868-53-7	80-124	**98.4**	
Surr: Toluene-d8	2037-26-5	80-125	**103**	

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ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002A
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM **Analyzed:** 9/17/2009 9:17:00 PM
Received Date: 9/16/2009
Method Used: SW8260C

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Analytical Results VOAs AWAL+ List by GC/MS Method 8260C/5030C

Units: µg/L
Dilution Factor: 10

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
1,1,1-Trichloroethane	71-55-6	20	< 20	
1,1,2,2-Tetrachloroethane	79-34-5	20	< 20	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	20	< 20	
1,1,2-Trichloroethane	79-00-5	20	< 20	
1,1-Dichloroethane	75-34-3	20	< 20	
1,1-Dichloroethene	75-35-4	20	< 20	
1,2,4-Trichlorobenzene	120-82-1	20	< 20	
1,2-Dibromo-3-chloropropane	96-12-8	50	< 50	
1,2-Dibromoethane	106-93-4	20	< 20	
1,2-Dichlorobenzene	95-50-1	20	< 20	
1,2-Dichloroethane	107-06-2	20	< 20	
1,2-Dichloropropane	78-87-5	20	< 20	
1,3-Dichlorobenzene	541-73-1	20	< 20	
1,4-Dichlorobenzene	106-46-7	20	< 20	
2-Butanone	78-93-3	100	< 100	
2-Hexanone	591-78-6	50	< 50	
4-Methyl-2-pentanone	108-10-1	50	< 50	
Acetone	67-64-1	100	< 100	
Benzene	71-43-2	20	< 20	
Bromodichloromethane	75-27-4	20	< 20	
Bromoform	75-25-2	20	< 20	
Bromomethane	74-83-9	50	< 50	
Carbon disulfide	75-15-0	20	< 20	
Carbon tetrachloride	56-23-5	20	< 20	
Chlorobenzene	108-90-7	20	< 20	
Chloroethane	75-00-3	20	< 20	
Chloroform	67-66-3	20	< 20	
Chloromethane	74-87-3	30	< 30	
cis-1,2-Dichloroethene	156-59-2	20	< 20	

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** John Schulman
Project: KTIA GW Sampling
Lab Sample ID: 0909274-002A
Client Sample ID: DTE MW-3
Collection Date: 9/15/2009 12:56:00 PM **Analyzed:** 9/17/2009 9:17:00 PM
Received Date: 9/16/2009
Method Used: SW8260C

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Analytical Results VOAs AWAL+ List by GC/MS Method 8260C/5030C

Units: µg/L
Dilution Factor: 10

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
cis-1,3-Dichloropropene	10061-01-5	20	< 20	
Cyclohexane	110-82-7	20	< 20	
Dibromochloromethane	124-48-1	20	< 20	
Dichlorodifluoromethane	75-71-8	20	< 20	
Ethylbenzene	100-41-4	20	< 20	
Isopropylbenzene	98-82-8	20	< 20	
Methyl Acetate	79-20-9	50	< 50	
Methyl tert-butyl ether	1634-04-4	20	< 20	
Methylcyclohexane	108-87-2	20	< 20	
Methylene chloride	75-09-2	20	< 20	
Naphthalene	91-20-3	20	< 20	
Styrene	100-42-5	20	< 20	
Tetrachloroethene	127-18-4	20	< 20	
Toluene	108-88-3	20	< 20	
trans-1,2-Dichloroethene	156-60-5	20	< 20	
trans-1,3-Dichloropropene	10061-02-6	20	< 20	
Trichloroethene	79-01-6	20	< 20	
Trichlorofluoromethane	75-69-4	20	< 20	
Vinyl chloride	75-01-4	10	< 10	
Xylenes, Total	1330-20-7	20	< 20	
TPH C6-C10 (GRO)		200	< 200	
Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	**96.5**	
Surr: 4-Bromofluorobenzene	460-00-4	80-123	**105**	
Surr: Dibromofluoromethane	1868-53-7	80-124	**96.0**	
Surr: Toluene-d8	2037-26-5	80-125	**107**	

The reporting limits were raised due to sample matrix interferences.

American West Analytical Laboratories

WORK ORDER Summary

16-Sep-09

Work Order: 0909274

WO Type: Standard

Client ID: JBR400

Contact: John Schulman

Project: KTIA GW Sampling

QC Level: LEVEL I

Reviewed by on

Comments: PA Rush; Special report: Break out Hexane and report alone; Email 2 people; Footnote: pH received outside of hold time;

HOK-DB

Sample ID	Client Sample ID	Date Collected	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0909274-001A	DTE MW-1	9/15/2009 11:57:00 AM	9/16/2009 10:09:14 AM	9/24/2009	Aqueous	8260-W	☐	☐	☑	☐	VOCFridge
0909274-001B				9/24/2009		3510-SVOA-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		3510-TPH-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		8015-W-TPH(1L)	☐	☐	☑	☐	Hall-TPH/semi
				9/24/2009		8270-W	☐	☐	☑	☐	Hall-TPH/semi
0909274-001C				9/24/2009		OGB-W-1664A	☐	☐	☐	☐	ogf/ogb
				9/24/2009		OGF-W-1664SGT	☐	☐	☐	☐	ogf/ogb
0909274-001D				9/24/2009		PH-4500H+B	☐	☐	☐	☐	ww - tds/share
				9/24/2009		TDS-W-160.1	☐	☐	☐	☐	ww - tds/share
0909274-001E				9/24/2009		8260-W	☐	☐	☑	☐	
0909274-002A	DTE MW-3	9/15/2009 12:56:00 PM		9/24/2009		8260-W	☐	☐	☑	☐	VOCFridge
0909274-002B				9/24/2009		3510-SVOA-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		3510-TPH-PR	☐	☐	☐	☐	Hall-TPH/semi
				9/24/2009		8015-W-TPH(1L)	☐	☐	☑	☐	Hall-TPH/semi
				9/24/2009		8270-W	☐	☐	☑	☐	Hall-TPH/semi
0909274-002C				9/24/2009		OGB-W-1664A	☐	☐	☐	☐	ogf/ogb
				9/24/2009		OGF-W-1664SGT	☐	☐	☐	☐	ogf/ogb
0909274-002D				9/24/2009		PH-4500H+B	☐	☐	☐	☐	ww - tds/share
				9/24/2009		TDS-W-160.1	☐	☐	☐	☐	ww - tds/share
0909274-002E				9/24/2009		8260-W	☐	☐	☑	☐	

Client JBR ENVIRONMENTAL CONSULTANTS

Address 8160 SO HIGHLAND DRIVE

SANDY (City) UT (State) 84093 (Zip)

Phone 801 943 4144 Fax 943 1852

Contact JOHN SCHULMAN

E-mail jschulman@jbrenv.com

Project Name KTIA GW SAMPLING

Project Number/P.O.#

Sampler Name J. SAGE

AMERICAN WEST ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, Utah 84115
(801) 263-8686
(888) 263-8686
Fax (801) 263-8687
Email:awal@awal-labs.com

CHAIN OF CUSTODY

Lab Sample Set # 0909274

Page 1 of 1

Turn Around Time (Circle One)

1 day 2 day 3 day 4 day 5 day Standard

Sample ID	Date/Time Collected	Matrix	Number of Containers (Total)	TESTS REQUIRED (SB 9/16/09) BTEXN	TPH-GRO	TPH-DRO (*Run DRO if GRO is pos.)	OIL & GREASE (Jammie S.)	TDS	TEPH	SEMI VOLS	VOLS	PH		COMMENTS
DTE MW-1	9/15/09 1157	W	8	X	X	X	X	X	X	X	X	X		
DTE MW-3	9/15/09 1256	W	8	X	X	X	X	X	X	X	X	X		

QC LEVEL: 1 2 2+ 3 3+ 4

LABORATORY USE ONLY

SAMPLES WERE:

1 Shipped or hand delivered
Notes:

2 Ambient or Chilled
Notes: chice

3 Temperature 1.2

4 Received Broken/Leaking (Improperly Sealed)
Y (N)
Notes:

5 Properly Preserved
(Y) N
Checked at Bench
Y N
Notes:

6 Received Within Holding Times
Y (N)
Notes:
PH received out of Hold

COC Tape Was:

1 Present on Outer Package
Y (N) NA

2 Unbroken on Outer Package
Y N (NA)

3 Present on Sample
Y (N) NA

4 Unbroken on Sample
Y N (NA)

Discrepancies Between Sample Labels and COC Record?
Y (N)
Notes:

Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME: JAMES SAGE	Time: 1000	PRINT NAME: Samantha Broadhead	Time: 1000

Special Instructions:

* BREAK OUT HEXANE AND REPORT ALONE.

* ALSO EMAIL TO jsage@jbrenv.com

Sample Set: 0909274

Preservation Check Sheet

Sample Set Extension and pH

Bottle Type	Preservative	All OK	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except	Except
Ammonia	pH <2 H_2SO_4																
COD	pH <2 H_2SO_4																
Cyanide	PH >12 NaOH																
Metals	pH <2 HNO_3																
NO_2 & NO_3	pH <2 H_2SO_4																
Nutrients	pH <2 H_2SO_4																
O & G	pH <2 HCL	✓															
Phenols	pH <2 H_2SO_4																
Sulfide	pH > 9NaOH, Zn Acetate																
TKN	pH <2 H_2SO_4																
TOC	pH <2 H_3PO_4																
TOX	pH <2 H_2SO_4																
T PO_4	pH <2 H_2SO_4																
TPH	pH <2 HCL																

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

Ran Macdonald
JBR Environmental Consultants, Inc.
8160 So. Highland Dr. Ste A-4
Sandy, UT 84093
TEL: (801) 943-4144

RE: KTIA GW Sampling

Dear Ran Macdonald: Lab Set ID: 1203003

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received 2 sample(s) on 3/1/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: _____
Laboratory Director or designee

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** Ran Macdonald
Project: KTIA GW Sampling
Lab Sample ID: 1203003-001A
Client Sample ID: DTE MW-1
Collection Date: 2/29/2012 1605h
Received Date: 3/1/2012 0915h **Method:** SW8260C

Analytical Results VOAs AWAL+ List by GC/MS Method 8260C/5030C

Analyzed: 3/5/2012 2320h
Units: µg/L **Dilution Factor:** 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
n-Hexane	110-54-3	2.00	< 2.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.9	77-129	
Surr: Dibromofluoromethane	1868-53-7	52.4	50.00	105	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	47.6	50.00	95.1	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.2	50.00	116	72-151	

463 West 3600 South
Salt Lake City, UT 84115

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Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: JBR Environmental Consultants, Inc. **Contact:** Ran Macdonald
Project: KTIA GW Sampling
Lab Sample ID: 1203003-002A
Client Sample ID: DTE MW-3
Collection Date: 2/29/2012 1316h
Received Date: 3/1/2012 0915h **Method:** SW8260C

Analytical Results VOAs AWAL+ List by GC/MS Method 8260C/5030C

Analyzed: 3/5/2012 2339h
Units: µg/L **Dilution Factor:** 10

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
n-Hexane	110-54-3	20.0	< 20.0	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	492	500.0	98.4	77-129	
Surr: Dibromofluoromethane	1868-53-7	528	500.0	106	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	482	500.0	96.4	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	611	500.0	122	72-151	

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories

UL

WORK ORDER Summary

Work Order: 1203003

Page 1 of 1 3/2/2012

Client: JBR Environmental Consultants, Inc.

Client ID: JBR400 **Contact:** Ran Macdonald

Project: KTIA GW Sampling **QC Level:** LEVEL I **WO Type:** Standard

Comments: Break out Hexane and report alone. E-mail 2 people. Footnote report, pH received outside of hold.;

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1203003-001A	DTE MW-1	2/29/2012 1605h	3/1/2012 0915h	3/15/2012	Aqueous	8260-W	☑	Purge	3
1203003-001B						3510-TPH-PR	☐	hall - tph	2
						8015-W-TPH(1L)	☑	hall - tph	
1203003-001C						OGB-W-1664A	☐	OGB/OGF	1
						OGF-W-1664SGT	☐	OGB/OGF	
1203003-001D						TDS-W-2540C	☐	ww - tds	
1203003-001E						3510-SVOA-PR	☐	Walkin-Semi	3
						8270-W	☑	Walkin-Semi	
1203003-001F						PH-4500H+B	☐	df - pH	1
1203003-002A	DTE MW-3	2/29/2012 1316h				8260-W	☑	Purge	3
1203003-002B						3510-TPH-PR	☐	hall - tph	2
						8015-W-TPH(1L)	☑	hall - tph	
1203003-002C						OGB-W-1664A	☐	OGB/OGF	1
						OGF-W-1664SGT	☐	OGB/OGF	
1203003-002D						TDS-W-2540C	☐	ww - tds	
1203003-002E						3510-SVOA-PR	☐	Walkin-Semi	3
						8270-W	☑	Walkin-Semi	
1203003-002F						PH-4500H+B	☐	df - pH	1

Client JBR ENVIRONMENTAL CONSULTANTS
Address 8160 S HIGHLAND DR.
SANDY UT 84093
City State Zip
Phone 801 438 2211 Fax 801 942 1832
Contact RAN MACDONALD
E-mail rmacdonald@jbrenv.com
Project Name KTIA GW SAMPLING
Project Number/P.O.#
Sampler Name R MACDONALD

AMERICAN WEST ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, Utah 84115
(801) 263-8686
(888) 263-8686
Fax (801) 263-8687
Email:awal@awal-labs.com

CHAIN OF CUSTODY

Lab Sample Set # 1203003
Page 1 of 1

Turn Around Time (Circle One)
1 day 2 day 3 day 4 day 5 day (Standard)

Sample ID	Date/Time Collected	Matrix	Number of Containers (Total)	TESTS REQUIRED: BTEXN	TPH-GRO	TPH-DRO Run By 8015	OIL & GREASE	TDS	TRPH	SEMI VOLS	VOCS	pH	QC LEVEL: 1 2 2+ 3 3+ 4 COMMENTS
DTE MW-1	DAM 3/1/12 2/29/12 ~~3/1/12~~ 1605	W		X	X	X	X	X	X	X	X	X	
DTE MW-3	2/29/12 ~~3/1/12~~ 1316	W		X	X	X	X	X	X	X	X	X	
DTE MW-2													

LABORATORY USE ONLY

SAMPLES WERE:
1 Shipped or hand delivered
Notes:
2 Ambient or Chilled
Notes:
3 Temperature 0.9°
4 Received Broken/Leaking (Improperly Sealed) Y (N)
Notes:
5 Properly Preserved Y N
Checked at Bench Y N
Notes:
6 Received Within Holding Times Y (N)
Notes: pH out of hold

COC Tape Was:
1 Present on Outer Package Y (N) NA
2 Unbroken on Outer Package Y N (NA)
3 Present on Sample Y (N) NA
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)
Notes:

Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME Ran Macdonald	Time 9:15	PRINT NAME Denise Bruun	Time 9:15
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time

Special Instructions:
* BREAK OUT HEXANE AND REPORT ALONE.
* ALSO EMAIL TO rmacdonald@jbrenv.com

Sample Set: 1203003

Preservation Check Sheet

Sample Set Extension and pH

DB 3/1/12

Bottle Type	Preservative	All OK	~~Except~~ -001	~~Except~~ -002	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~	~~Except~~
Ammonia	pH <2 H_2SO_4																
COD	pH <2 H_2SO_4																
Cyanide	PH >12 NaOH																
Metals	pH <2 HNO_3																
NO_2 & NO_3	pH <2 H_2SO_4																
Nutrients	pH <2 H_2SO_4																
O & G	pH <2 HCL		YES	YES													
Phenols	pH <2 H_2SO_4																
Sulfide	pH > 9NaOH, Zn Acetate																
TKN	pH <2 H_2SO_4																
TOC	pH <2 H_3PO_4																
TOX	pH <2 H_2SO_4																
T PO_4	pH <2 H_2SO_4																
TPH	pH <2 HCL																

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

CHEMTECH-FORD
LABORATORIES

3/26/2012

Work Order: 1202338

American West Analytical Labs

Attn: Elona Hayward

463 West 3600 South

Salt Lake City, UT 84115

Client Service Contact: Linda Daniels 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By:

Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1202338-01

Name:	**American West Analytical Labs**	***Sample Date:***	2/29/2012 1:16 PM
Sample Site:	DTE MW-3	***Receipt Date:***	3/22/2012 12:40 PM
Comments:	PO# 1203003	***Sampler:***	American West Analytical Labs
Sample Type:	Water	***System No.:***	
Source Code:		***Report to State:***	

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Inorganic								
MBAS Surfactants	0.92	0.5	0.08	mg/L	3/22/2012 13:00	KSL	SM 5540 C	SPH

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.
MCL = Maximum Contaminant Level as defined by USEPA

Data Comparisons

Values reported in **RED** exceed Primary Drinking Water standards.
Values reported in **BLUE** exceed Secondary Drinking Water standards.
BLANK values in the MCL column indicate no standard.

Flag Descriptions

SPH = Sample submitted past method specified holding time.

American West Analytical Laboratories

Chain of Custody

KD

Client: American West Analytical Laboratories
Address: 463 W. 3600 S.
Salt Lake City, UT 84115
Project Name:
PO#: **1203003**

Contact: Elona Hayward
Phone: (801) 263-8686
Fax : (801) 263-8687
Email: elona@awal-labs.com
sami@awal-labs.com

QC Level

Turn Around Time

	Lab Use Only	Sample ID: 2338-01	Date Sampled	Time	# of Containers	Sample Matrix	**Surfactant**														Comments
1		**DTE MW-3**	2/29/2012	13:16	1	w	x														
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Proceed with the analysis
Outside of Hold per Client.
SB 3/21/12
Sample sent to Chemtech-Ford
Appropriate Utah state certifications required.

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature _____
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Special Instructions: **Include project name and PO# on final report and Invoice. Email results to both Samantha and Elona.**

Relinquished by: *Signature*	Date: 3/22/12	Received by: *Signature*	Date: 3/22/12
Print Name Samantha Broadhead	Time: 1240	*Print Name* April Davis	Time: 1240
Relinquished by: *Signature*	Date:	Received by: *Signature*	Date:
Print Name	Time:	*Print Name*	Time:

CHEMTECH-FORD LABORATORIES

CHEMTECH-FORD LABORATORIES

Sample Receipt Checklist

Lab ID #: 2338

Delivery Method: (circle one)

UPS FedEX USPS

(Walk-In) Courier Chemtech

Sample(s) sealed: Yes (No)

Appropriate container/preserve: (Yes) No

Temperature 3 C°

	Lab ID #	Bottle Type	Lot # (preservative)	No. of Subsample(s)	Preserved by client / third party	Preserved in Receiving/Laboratory	Vials submitted with headspace	Sample submitted past hold time	Filtered by client in field
1	01	G	-						
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Comments:

Bottle Type	
Plastic	**Glass**
A- Plastic Unpreserved	**D-** 625 ($Na_2S_2O_3$)
B- Miscellaneous Plastic	**G-** Glass Unpreserved
C- Cyanide Qt (NaOH)	**H-** HAAs (NH_4Cl)
F- Sulfide Qt (NaOH/Zn Acetate)	**J-** 508/515/525 (Na_2SO_3)
M- Metals Pint (HNO_3)	**O-** Oil & Grease (1:1 HCl)
N- Nutrient Pint (H_2SO_4)	**P-** Phenols (H_2SO_4)
R- Radiological Gallon (HNO_3)	**T-** TOC/TOX (H_3PO_4)
S- Sludge Cups/Tubs	**U-** 531 (MCAA, $Na_2S_2O_3$)
Q- Plastic Bags	**V-** 524/THMs (Ascorbic Acid)
E- Coliform/Ecoli	**W-** 8260 (1:1 HCl)
Additional Volumes	**X-** Vial Unpreserved
Q- quart 1/2pt- half pint	**Y-** 624/504 ($Na_2S_2O_3$)
P- pint 1/2- half gallon	**Z-** Miscellaneous Glass