

Jim Harris Utah Division of Water Quality PO Box 144870 SLC, UT 84114 TEL: (801) 538-6329

|  | RE: Deer Creek Res. Turkey Truck  |  |
|--|---|--|
| 463 West 3600 South  | Dear Jim Harris:  | Lab Set ID: 1404528  |
| Salt Lake City, UT 84115   | American West Analytical Laboratories receive<br>analyses presented in the following report.  | ed 4 sample(s) on 4/24/2014 for the  |
| Phone: (801) 263-8686<br>Toll Free: (888) 263-8686               | American West Analytical Laboratories (AWA<br>Environmental Laboratory Accreditation Progr  | am (NELAP) in Utah and Texas; and is   |
| Fax: (801) 263-8687  | state accredited in Colorado, Idaho, New Mexi   | co, and Missouri.  |
| e-mail: awal@awal-labs.com                                       | All analyses were performed in accordance to to otherwise. Accreditation scope documents are  | 1  |
| web: www.awal-labs.com   | questions or concerns regarding this report plea  | ase feel free to call.   |
| Kyle F. Gross<br>Laboratory Director<br>Jose Rocha<br>QA Officer | The abbreviation "Surr" found in organic report<br>intentionally added by the laboratory to determ<br>purging efficiency. The "Reporting Limit" fou<br>practical quantitation limit (PQL). This is the<br>reported by the method referenced and the sam<br>confused with any regulatory limit. Analytical<br>figures for quality control and calculation purp | ine sample injection, extraction, and/or<br>nd on the report is equivalent to the<br>minimum concentration that can be<br>ple matrix. The reporting limit must not be<br>results are reported to three significant |

Thank You,

Approved by:

Laboratory Director or designee



| Client:                  | Utah Divisi | on of Water | r Quality | Contact:       | Jim Harris                |
|--------------------------|-------------|-------------|-----------|----------------|---------------------------|
| Project:                 | Deer Creek  | Res. Turke  | y Truck   |                |                           |
| Lab Sample ID:           | 1404528-00  | )1B         |           |                |                           |
| <b>Client Sample ID:</b> | Midd Chan   | nel         |           |                |                           |
| <b>Collection Date:</b>  | 4/24/2014   | 1255h       |           |                |                           |
| <b>Received Date:</b>    | 4/24/2014   | 1453h       |           |                | Test Code: 8015-W-TPH(1L) |
| Analytical Results       | 5           |             | TPH-DRO   | (C10-C28) by C | GC/FID Method 8015D/3510C |

| Analytical Results ITTI DRO (CTO C20) by GCT ID Method of |                     |                |                    |                      |      |  |
|---|---------------------|----------------|--------------------|----------------------|------|--|
| <b>Analyzed:</b> 4/25/2014 121h                           | Extracted:          | 4/24/2014 1625 | h                  |                      |      |  |
| Units: mg/L   | <b>Dilution Fac</b> | <b>:tor:</b> 1 | Metho              | d: SW8015D           |      |  |
| Compound  |                     | CAS<br>Numbe   | Reporting<br>Limit | Analytical<br>Result | Qual |  |
| Diesel Range Organics (DRO) (C10-C28)                     |                     | 68476-34       | -6 0.500           | < 0.500              |      |  |
| Surrogate   | CAS                 | Result Amo     | int Spiked % RE    | C Limits             | Qual |  |
| Surr: 4-Bromofluorobenzene                                | 460-00-4            | 0.181          | .4000 45.4         | 10-190               |      |  |

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

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the rule



| Client:                 | Utah Divisi | on of Water | Quality       | Contact:   | Jim Harris                |
|-------------------------|-------------|-------------|---------------|------------|---------------------------|
| Project:                | Deer Creek  | Res. Turkey | y Truck       |            |                           |
| Lab Sample ID:          | 1404528-00  | )2B         |               |            |                           |
| Client Sample ID:       | Below Boo   | m SW        |               |            |                           |
| <b>Collection Date:</b> | 4/24/2014   | 1245h       |               |            |                           |
| <b>Received Date:</b>   | 4/24/2014   | 1453h       |               |            | Test Code: 8015-W-TPH(1L) |
| Analytical Results      | 5           |             | TPH-DRO (C10- | -C28) by ( | GC/FID Method 8015D/3510C |

463 West 3600 South Salt Lake City, UT 84115

| <b>Analyzed:</b> 4/25/2014 220h<br><b>Units:</b> mg/L | Extracted:<br>Dilution Fac | 4/24/2014<br>tor: 1 | 4 1625h      | Method:            | SW8015D              |      |
|---|----------------------------|---------------------|--------------|--------------------|----------------------|------|
| Compound  |                            |                     | CAS<br>umber | Reporting<br>Limit | Analytical<br>Result | Qual |
| Diesel Range Organics (DRO) (C1                       | 0-C28)                     | 684                 | 76-34-6      | 0.500              | < 0.500              |      |
| Surrogate   | CAS                        | Result              | Amount Sp    | oiked % REC        | Limits               | Qual |
| Surr: 4-Bromofluorobenzene                            | 460-00-4                   | 0.180               | 0.4000       | 45.0               | 10-190               |      |

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



| Client:                 | Utah Divisi | on of Wate | r Quality  | <b>Contact:</b> | Jim Harris                |
|-------------------------|-------------|------------|------------|-----------------|---------------------------|
| Project:                | Deer Creek  | Res. Turke | ey Truck   |                 |                           |
| Lab Sample ID:          | 1404528-00  | )3B        |            |                 |                           |
| Client Sample ID:       | Above Boo   | m NE       |            |                 |                           |
| <b>Collection Date:</b> | 4/24/2014   | 1255h      |            |                 |                           |
| <b>Received Date:</b>   | 4/24/2014   | 1453h      |            |                 | Test Code: 8015-W-TPH(1L) |
| Analytical Results      | 5           |            | TPH-DRO (C | C10-C28) by C   | GC/FID Method 8015D/3510C |

463 West 3600 South Salt Lake City, UT 84115

| <b>Analyzed:</b> 4/25/2014 240h<br><b>Units:</b> mg/L | Extracted:<br>Dilution Fac | 4/24/2014<br>tor: 1 | 4 1625h      | Method:            | SW8015D              |      |
|---|----------------------------|---------------------|--------------|--------------------|----------------------|------|
| Compound  |                            |                     | CAS<br>umber | Reporting<br>Limit | Analytical<br>Result | Qual |
| Diesel Range Organics (DRO) (C1                       | 0-C28)                     | 684                 | 76-34-6      | 0.500              | 1.34                 |      |
| Surrogate   | CAS                        | Result              | Amount Sp    | oiked % REC        | Limits               | Qual |
| Surr: 4-Bromofluorobenzene                            | 460-00-4                   | 0.176               | 0.4000       | 44.1               | 10-190               |      |

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



**Analytical Results** 

# **ORGANIC ANALYTICAL REPORT**

Client:Utah Division of Water QualityContact:Jim HarrisProject:Deer Creek Res. Turkey TruckLab Sample ID:1404528-004BClient Sample ID:Inside BoomCollection Date:4/24/20144/24/20141305hReceived Date:4/24/20141404528Test of

Test Code: 8015-W-TPH(1L)

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

| <b>Analyzed:</b> 4/25/2014 259h<br><b>Units:</b> mg/L | Extracted:<br>Dilution Fac | 4/24/201<br>tor: 1 | 4 1625h       | Method:            | SW8015D              |      |
|---|----------------------------|--------------------|---------------|--------------------|----------------------|------|
| Compound  |                            |                    | CAS<br>Jumber | Reporting<br>Limit | Analytical<br>Result | Qual |
| Diesel Range Organics (DRO) (C10-C28)                 |                            | 68476-34-6         |               | 0.500              | 3.52                 |      |
| Surrogate   | CAS                        | Result             | Amount Spil   | ked % REC          | Limits               | Qual |
| Surr: 4-Bromofluorobenzene                            | 460-00-4                   | 0.166              | 0.4000        | 41.5               | 10-190               |      |

Salt Lake City, UT 84115

463 West 3600 South

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

> > Report Date: 4/25/2014 Page 5 of 22

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the rule



**Client:** Utah Division of Water Quality **Project:** Deer Creek Res. Turkey Truck 1404528-001A Lab Sample ID: Client Sample ID: Midd Channel **Collection Date:** 4/24/2014 1255h **Received Date:** 4/24/2014 1453h

**Analytical Results** 

Units: µg/L

Analyzed: 4/24/2014 2033h

Contact: Jim Harris

Test Code: 8260-W

SW8260C

VOAs AWAL List by GC/MS Method 8260C/5030C

Method:

| 462 West 2600 South                            | Units. µg/L Dilution ra               |               | wiethou.           | 51182000                  |  |
|--|---------------------------------------|---------------|--------------------|---------------------------|--|
| 463 West 3600 South<br>alt Lake City, UT 84115 | Compound                              | CAS<br>Number | Reporting<br>Limit | Analytical<br>Result Qual |  |
|  | 1,1,1-Trichloroethane                 | 71-55-6       | 2.00               | < 2.00                    |  |
|  | 1,1,2,2-Tetrachloroethane             | 79-34-5       | 2.00               | < 2.00                    |  |
| Phone: (801) 263-8686                          | 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1       | 2.00               | < 2.00                    |  |
| Toll Free: (888) 263-8686                      | 1,1,2-Trichloroethane                 | 79-00-5       | 2.00               | < 2.00                    |  |
| Fax: (801) 263-8687                            | 1,1-Dichloroethane                    | 75-34-3       | 2.00               | < 2.00                    |  |
| mail: awal@awal-labs.com                       | 1,1-Dichloroethene                    | 75-35-4       | 2.00               | < 2.00                    |  |
| .11.1.1  | 1,2,4-Trichlorobenzene                | 120-82-1      | 2.00               | < 2.00                    |  |
| eb: www.awal-labs.com                          | 1,2-Dibromo-3-chloropropane           | 96-12-8       | 5.00               | < 5.00                    |  |
|  | 1,2-Dibromoethane                     | 106-93-4      | 2.00               | < 2.00                    |  |
| Kyle F. Gross                                  | 1,2-Dichlorobenzene                   | 95-50-1       | 2.00               | < 2.00                    |  |
| Laboratory Director                            | 1,2-Dichloroethane                    | 107-06-2      | 2.00               | < 2.00                    |  |
| Laboratory Director                            | 1,2-Dichloropropane                   | 78-87-5       | 2.00               | < 2.00                    |  |
| Jose Rocha                                     | 1,3-Dichlorobenzene                   | 541-73-1      | 2.00               | < 2.00                    |  |
| QA Officer                                     | 1,4-Dichlorobenzene                   | 106-46-7      | 2.00               | < 2.00                    |  |
|  | 2-Butanone                            | 78-93-3       | 10.0               | < 10.0                    |  |
|  | 2-Hexanone                            | 591-78-6      | 5.00               | < 5.00                    |  |
|  | 4-Methyl-2-pentanone                  | 108-10-1      | 5.00               | < 5.00                    |  |
|  | Acetone                               | 67-64-1       | 10.0               | < 10.0                    |  |
|  | Benzene                               | 71-43-2       | 2.00               | < 2.00                    |  |
|  | Bromodichloromethane                  | 75-27-4       | 2.00               | < 2.00                    |  |
|  | Bromoform                             | 75-25-2       | 2.00               | < 2.00                    |  |
|  | Bromomethane                          | 74-83-9       | 5.00               | < 5.00                    |  |
|  | Carbon disulfide                      | 75-15-0       | 2.00               | < 2.00                    |  |
|  | Carbon tetrachloride                  | 56-23-5       | 2.00               | < 2.00                    |  |
|  | Chlorobenzene                         | 108-90-7      | 2.00               | < 2.00                    |  |
|  | Chloroethane                          | 75-00-3       | 2.00               | < 2.00                    |  |
|  | Chloroform                            | 67-66-3       | 2.00               | < 2.00                    |  |
|  | Chloromethane                         | 74-87-3       | 3.00               | < 3.00                    |  |
|  | cis-1,2-Dichloroethene                | 156-59-2      | 2.00               | < 2.00                    |  |
|  | cis-1,3-Dichloropropene               | 10061-01-5    | 2.00               | < 2.00                    |  |

**Dilution Factor:** 1



### Lab Sample ID: 1404528-001A

Client Sample ID: Midd Channel Analyzed: 4/24/2014 2033h

|                         | <b>Units:</b> μg/L          | <b>Dilution Fact</b> | or: 1  |               | Method:           | SW8260C              |      |
|-------------------------|-----------------------------|----------------------|--------|---------------|-------------------|----------------------|------|
| American West           | Compound                    |                      |        | CAS Roumber   | eporting<br>Limit | Analytical<br>Result | Qual |
|                         | Cyclohexane                 |                      | 11     | 0-82-7        | 2.00              | < 2.00               |      |
|                         | Dibromochloromethane        |                      | 12     | 24-48-1       | 2.00              | < 2.00               |      |
|                         | Dichlorodifluoromethane     |                      | 7      | 5-71-8        | 2.00              | < 2.00               |      |
|                         | Ethylbenzene                |                      | 10     | 00-41-4       | 2.00              | < 2.00               |      |
| 463 West 3600 South     | Isopropylbenzene            |                      | 9      | 8-82-8        | 2.00              | < 2.00               |      |
| lt Lake City, UT 84115  | Methyl Acetate              |                      | 7      | 9-20-9        | 5.00              | < 5.00               |      |
|                         | Methyl tert-butyl ether     |                      | 16     | 34-04-4       | 2.00              | < 2.00               |      |
|                         | Methylcyclohexane           |                      | 10     | )8-87-2       | 2.00              | < 2.00               |      |
| Phone: (801) 263-8686   | Methylene chloride          |                      | 7      | 5-09-2        | 2.00              | < 2.00               |      |
| ll Free: (888) 263-8686 | Naphthalene                 |                      | 9      | 1-20-3        | 2.00              | < 2.00               |      |
| Fax: (801) 263-8687     | Styrene                     |                      | 10     | 00-42-5       | 2.00              | < 2.00               |      |
| ail: awal@awal-labs.com | Tetrachloroethene           |                      | 12     | 27-18-4       | 2.00              | < 2.00               |      |
| an. awar@awar-tabs.com  | Toluene                     |                      | 10     | )8-88-3       | 2.00              | < 2.00               |      |
| b: www.awal-labs.com    | TPH C6-C10 (GRO)            |                      |        |               | 20.0              | < 20.0               |      |
|                         | trans-1,2-Dichloroethene    |                      | 15     | 56-60-5       | 2.00              | < 2.00               |      |
|                         | trans-1,3-Dichloropropene   |                      | 100    | )61-02-6      | 2.00              | < 2.00               |      |
| Kyle F. Gross           | Trichloroethene             |                      | 7      | 9-01-6        | 2.00              | < 2.00               |      |
| Laboratory Director     | Trichlorofluoromethane      |                      | 7      | 5-69-4        | 2.00              | < 2.00               |      |
|                         | Vinyl chloride              |                      | 7      | 5-01-4        | 1.00              | < 1.00               |      |
| Jose Rocha              | Xylenes, Total              |                      |        | 30-20-7       | 2.00              | < 2.00               |      |
| QA Officer              | Surrogate                   | CAS                  | Result | Amount Spiked | % REC             | Limits               | Qual |
|                         | Surr: 1,2-Dichloroethane-d4 | 17060-07-0           | 52.4   | 50.00         | 105               | 72-151               |      |
|                         | Surr: 4-Bromofluorobenzene  | 460-00-4             | 53.2   | 50.00         | 106               | 80-128               |      |
|                         | Surr: Dibromofluoromethane  | 1868-53-7            | 49.2   | 50.00         | 98.4              | 80-124               |      |
|                         | Surr: Toluene-d8            | 2037-26-5            | 50.0   | 50.00         | 100               | 77-129               |      |



**Client:** Utah Division of Water Quality **Project:** Deer Creek Res. Turkey Truck 1404528-002A Lab Sample ID: Client Sample ID: Below Boom SW **Collection Date:** 4/24/2014 1245h **Received Date:** 4/24/2014 1453h

**Analytical Results** 

Units: µg/L

Analyzed: 4/24/2014 2051h

Contact: Jim Harris

Test Code: 8260-W

SW8260C

VOAs AWAL List by GC/MS Method 8260C/5030C

Method:

| 463 West 3600 South      |                                       |               | Wiethou.           | 51182000                  |  |
|--------------------------|---------------------------------------|---------------|--------------------|---------------------------|--|
| alt Lake City, UT 84115  | Compound                              | CAS<br>Number | Reporting<br>Limit | Analytical<br>Result Qual |  |
|                          | 1,1,1-Trichloroethane                 | 71-55-6       | 2.00               | < 2.00                    |  |
|                          | 1,1,2,2-Tetrachloroethane             | 79-34-5       | 2.00               | < 2.00                    |  |
| Phone: (801) 263-8686    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1       | 2.00               | < 2.00                    |  |
| oll Free: (888) 263-8686 | 1,1,2-Trichloroethane                 | 79-00-5       | 2.00               | < 2.00                    |  |
| Fax: (801) 263-8687      | 1,1-Dichloroethane                    | 75-34-3       | 2.00               | < 2.00                    |  |
| nail: awal@awal-labs.com | 1,1-Dichloroethene                    | 75-35-4       | 2.00               | < 2.00                    |  |
|                          | 1,2,4-Trichlorobenzene                | 120-82-1      | 2.00               | < 2.00                    |  |
| eb: www.awal-labs.com    | 1,2-Dibromo-3-chloropropane           | 96-12-8       | 5.00               | < 5.00                    |  |
|                          | 1,2-Dibromoethane                     | 106-93-4      | 2.00               | < 2.00                    |  |
| Kyle F. Gross            | 1,2-Dichlorobenzene                   | 95-50-1       | 2.00               | < 2.00                    |  |
| Laboratory Director      | 1,2-Dichloroethane                    | 107-06-2      | 2.00               | < 2.00                    |  |
| Laboratory Director      | 1,2-Dichloropropane                   | 78-87-5       | 2.00               | < 2.00                    |  |
| Jose Rocha               | 1,3-Dichlorobenzene                   | 541-73-1      | 2.00               | < 2.00                    |  |
| QA Officer               | 1,4-Dichlorobenzene                   | 106-46-7      | 2.00               | < 2.00                    |  |
|                          | 2-Butanone                            | 78-93-3       | 10.0               | < 10.0                    |  |
|                          | 2-Hexanone                            | 591-78-6      | 5.00               | < 5.00                    |  |
|                          | 4-Methyl-2-pentanone                  | 108-10-1      | 5.00               | < 5.00                    |  |
|                          | Acetone                               | 67-64-1       | 10.0               | < 10.0                    |  |
|                          | Benzene                               | 71-43-2       | 2.00               | < 2.00                    |  |
|                          | Bromodichloromethane                  | 75-27-4       | 2.00               | < 2.00                    |  |
|                          | Bromoform                             | 75-25-2       | 2.00               | < 2.00                    |  |
|                          | Bromomethane                          | 74-83-9       | 5.00               | < 5.00                    |  |
|                          | Carbon disulfide                      | 75-15-0       | 2.00               | < 2.00                    |  |
|                          | Carbon tetrachloride                  | 56-23-5       | 2.00               | < 2.00                    |  |
|                          | Chlorobenzene                         | 108-90-7      | 2.00               | < 2.00                    |  |
|                          | Chloroethane                          | 75-00-3       | 2.00               | < 2.00                    |  |
|                          | Chloroform                            | 67-66-3       | 2.00               | < 2.00                    |  |
|                          | Chloromethane                         | 74-87-3       | 3.00               | < 3.00                    |  |
|                          | cis-1,2-Dichloroethene                | 156-59-2      | 2.00               | < 2.00                    |  |
|                          | cis-1,3-Dichloropropene               | 10061-01-5    | 2.00               | < 2.00                    |  |

**Dilution Factor:** 1



### Lab Sample ID: 1404528-002A

**Analyzed:** 4/24/2014 2051h

### Client Sample ID: Below Boom SW

|                          | Units: µg/L                 | <b>Dilution Fact</b>   | or: 1  |                | Method:           | SW8260C              |      |
|--------------------------|-----------------------------|------------------------|--------|----------------|-------------------|----------------------|------|
| American West            | Compound                    |                        |        | CAS R<br>umber | eporting<br>Limit | Analytical<br>Result | Qual |
|                          | Cyclohexane                 |                        | 11     | 0-82-7         | 2.00              | < 2.00               |      |
|                          | Dibromochloromethane        |                        | 12     | 24-48-1        | 2.00              | < 2.00               |      |
|                          | Dichlorodifluoromethane     |                        | 7      | 5-71-8         | 2.00              | < 2.00               |      |
|                          | Ethylbenzene                |                        | 10     | 00-41-4        | 2.00              | < 2.00               |      |
| 463 West 3600 South      | Isopropylbenzene            |                        | 9      | 8-82-8         | 2.00              | < 2.00               |      |
| alt Lake City, UT 84115  | Methyl Acetate              |                        | 7      | 9-20-9         | 5.00              | < 5.00               |      |
|                          | Methyl tert-butyl ether     |                        | 16     | 34-04-4        | 2.00              | < 2.00               |      |
|                          | Methylcyclohexane           |                        | 10     | )8-87-2        | 2.00              | < 2.00               |      |
| Phone: (801) 263-8686    | Methylene chloride          |                        | 7      | 5-09-2         | 2.00              | < 2.00               |      |
| oll Free: (888) 263-8686 | Naphthalene                 |                        | 9      | 1-20-3         | 2.00              | < 2.00               |      |
| Fax: (801) 263-8687      | Styrene                     |                        | 10     | 00-42-5        | 2.00              | < 2.00               |      |
| mail: awal@awal-labs.com | Tetrachloroethene           |                        | 12     | 27-18-4        | 2.00              | < 2.00               |      |
| nan. aware awar nos.com  | Toluene                     |                        | 10     | )8-88-3        | 2.00              | < 2.00               |      |
| eb: www.awal-labs.com    | TPH C6-C10 (GRO)            |                        |        |                | 20.0              | < 20.0               |      |
|                          | trans-1,2-Dichloroethene    |                        | 15     | 56-60-5        | 2.00              | < 2.00               |      |
|                          | trans-1,3-Dichloropropene   |                        | 100    | )61-02-6       | 2.00              | < 2.00               |      |
| Kyle F. Gross            | Trichloroethene             |                        | 7      | 9-01-6         | 2.00              | < 2.00               |      |
| Laboratory Director      | Trichlorofluoromethane      |                        | 7      | 5-69-4         | 2.00              | < 2.00               |      |
|                          | Vinyl chloride              |                        | 7      | 5-01-4         | 1.00              | < 1.00               |      |
| Jose Rocha               | Xylenes, Total              |                        | 13     | 30-20-7        | 2.00              | < 2.00               |      |
| QA Officer               | Surrogate                   | CAS                    | Result | Amount Spiked  | % REC             | Limits               | Qual |
|                          | Surr: 1,2-Dichloroethane-d4 | 17060-07-0             | 51.9   | 50.00          | 104               | 72-151               |      |
|                          | Surr: 4-Bromofluorobenzene  | 460-00-4               | 51.8   | 50.00          | 104               | 80-128               |      |
|                          | Surr: Dibromofluoromethane  | 1868-53-7<br>2037-26-5 | 48.5   | 50.00<br>50.00 | 96.9<br>98 1      | 80-124<br>77_129     |      |
|                          | Surr: Toluene-d8            | 2037-26-5              | 49.0   | 50.00          | 98.1              | 77-129               |      |

#### Report Date: 4/25/2014 Page 9 of 22



**Client:** Utah Division of Water Quality **Project:** Deer Creek Res. Turkey Truck 1404528-003A Lab Sample ID: Client Sample ID: Above Boom NE **Collection Date:** 4/24/2014 1255h **Received Date:** 4/24/2014 1453h

**Analytical Results** 

Units: µg/L

Analyzed: 4/24/2014 2110h

Contact: Jim Harris

Test Code: 8260-W

SW8260C

VOAs AWAL List by GC/MS Method 8260C/5030C

Method:

| 463 West 3600 South      |                                       |               |                    |                           |
|--------------------------|---------------------------------------|---------------|--------------------|---------------------------|
| t Lake City, UT 84115    | Compound                              | CAS<br>Number | Reporting<br>Limit | Analytical<br>Result Qual |
|                          | 1,1,1-Trichloroethane                 | 71-55-6       | 2.00               | < 2.00                    |
|                          | 1,1,2,2-Tetrachloroethane             | 79-34-5       | 2.00               | < 2.00                    |
| Phone: (801) 263-8686    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1       | 2.00               | < 2.00                    |
| ll Free: (888) 263-8686  | 1,1,2-Trichloroethane                 | 79-00-5       | 2.00               | < 2.00                    |
| Fax: (801) 263-8687      | 1,1-Dichloroethane                    | 75-34-3       | 2.00               | < 2.00                    |
| nail: awal@awal-labs.com | 1,1-Dichloroethene                    | 75-35-4       | 2.00               | < 2.00                    |
|                          | 1,2,4-Trichlorobenzene                | 120-82-1      | 2.00               | < 2.00                    |
| b: www.awal-labs.com     | 1,2-Dibromo-3-chloropropane           | 96-12-8       | 5.00               | < 5.00                    |
|                          | 1,2-Dibromoethane                     | 106-93-4      | 2.00               | < 2.00                    |
| Kyle F. Gross            | 1,2-Dichlorobenzene                   | 95-50-1       | 2.00               | < 2.00                    |
| Laboratory Director      | 1,2-Dichloroethane                    | 107-06-2      | 2.00               | < 2.00                    |
| Laboratory Director      | 1,2-Dichloropropane                   | 78-87-5       | 2.00               | < 2.00                    |
| Jose Rocha               | 1,3-Dichlorobenzene                   | 541-73-1      | 2.00               | < 2.00                    |
| QA Officer               | 1,4-Dichlorobenzene                   | 106-46-7      | 2.00               | < 2.00                    |
|                          | 2-Butanone                            | 78-93-3       | 10.0               | < 10.0                    |
|                          | 2-Hexanone                            | 591-78-6      | 5.00               | < 5.00                    |
|                          | 4-Methyl-2-pentanone                  | 108-10-1      | 5.00               | < 5.00                    |
|                          | Acetone                               | 67-64-1       | 10.0               | < 10.0                    |
|                          | Benzene                               | 71-43-2       | 2.00               | < 2.00                    |
|                          | Bromodichloromethane                  | 75-27-4       | 2.00               | < 2.00                    |
|                          | Bromoform                             | 75-25-2       | 2.00               | < 2.00                    |
|                          | Bromomethane                          | 74-83-9       | 5.00               | < 5.00                    |
|                          | Carbon disulfide                      | 75-15-0       | 2.00               | < 2.00                    |
|                          | Carbon tetrachloride                  | 56-23-5       | 2.00               | < 2.00                    |
|                          | Chlorobenzene                         | 108-90-7      | 2.00               | < 2.00                    |
|                          | Chloroethane                          | 75-00-3       | 2.00               | < 2.00                    |
|                          | Chloroform                            | 67-66-3       | 2.00               | < 2.00                    |
|                          | Chloromethane                         | 74-87-3       | 3.00               | < 3.00                    |
|                          | cis-1,2-Dichloroethene                | 156-59-2      | 2.00               | < 2.00                    |
|                          | cis-1,3-Dichloropropene               | 10061-01-5    | 2.00               | < 2.00                    |

**Dilution Factor:** 1



## Lab Sample ID: 1404528-003A

Client Sample ID: Above Boom NE

|                       | Analyzed: 4/24/2014 2110h                      |                        |              |                |                   |                      |      |  |  |  |  |  |  |
|-----------------------|--|------------------------|--------------|----------------|-------------------|----------------------|------|--|--|--|--|--|--|
|                       | Units: µg/L                                    | <b>Dilution Fact</b>   | or: 1        |                | Method:           | SW8260C              |      |  |  |  |  |  |  |
| merican West          | Compound                                       |                        | N            |                | eporting<br>Limit | Analytical<br>Result | Qual |  |  |  |  |  |  |
|                       | Cyclohexane                                    |                        | 1            | 10-82-7        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | Dibromochloromethane                           |                        | 12           | 24-48-1        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | Dichlorodifluoromethane                        |                        | 7            | 5-71-8         | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | Ethylbenzene                                   |                        | 10           | 00-41-4        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| 463 West 3600 South   | Isopropylbenzene                               |                        | 9            | 8-82-8         | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| Lake City, UT 84115   | Methyl Acetate                                 |                        | 7            | 9-20-9         | 5.00              | < 5.00               |      |  |  |  |  |  |  |
|                       | Methyl tert-butyl ether                        |                        | 16           | 34-04-4        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | Methylcyclohexane                              |                        | 10           | )8-87-2        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| none: (801) 263-8686  | Methylene chloride                             |                        | 7            | 5-09-2         | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| Free: (888) 263-8686  | Naphthalene                                    |                        | 9            | 1-20-3         | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| Fax: (801) 263-8687   | Styrene  |                        | 10           | 00-42-5        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| l: awal@awal-labs.com | Tetrachloroethene                              |                        | 12           | 27-18-4        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | Toluene  |                        | 10           | )8-88-3        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| www.awal-labs.com     | TPH C6-C10 (GRO)                               |                        |              |                | 20.0              | < 20.0               |      |  |  |  |  |  |  |
|                       | trans-1,2-Dichloroethene                       |                        | 1:           | 56-60-5        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | trans-1,3-Dichloropropene                      |                        | 100          | )61-02-6       | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| Kyle F. Gross         | Trichloroethene                                |                        | 7            | 9-01-6         | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| Laboratory Director   | Trichlorofluoromethane                         |                        | 7            | 5-69-4         | 2.00              | < 2.00               |      |  |  |  |  |  |  |
|                       | Vinyl chloride                                 |                        |              | 5-01-4         | 1.00              | < 1.00               |      |  |  |  |  |  |  |
| Jose Rocha            | Xylenes, Total                                 |                        |              | 30-20-7        | 2.00              | < 2.00               |      |  |  |  |  |  |  |
| QA Officer            | Surrogate                                      | CAS                    | Result       | Amount Spiked  | % REC             | Limits               | Qual |  |  |  |  |  |  |
|                       | Surr: 1,2-Dichloroethane-d4                    | 17060-07-0             | 52.2         | 50.00          | 104               | 72-151               |      |  |  |  |  |  |  |
|                       | Surr: 4-Bromofluorobenzene                     | 460-00-4               | 51.0         | 50.00          | 102               | 80-128               |      |  |  |  |  |  |  |
|                       | Surr: Dibromofluoromethane<br>Surr: Toluene-d8 | 1868-53-7<br>2037-26-5 | 48.7<br>49.3 | 50.00<br>50.00 | 97.5<br>98.6      | 80-124<br>77-129     |      |  |  |  |  |  |  |

#### Report Date: 4/25/2014 Page 11 of 22



**Client:** Utah Division of Water Quality **Project:** Deer Creek Res. Turkey Truck 1404528-004A Lab Sample ID: Client Sample ID: Inside Boom **Collection Date:** 4/24/2014 1305h **Received Date:** 4/24/2014 1453h

**Analytical Results** 

Units: µg/L

Analyzed: 4/24/2014 2129h

Contact: Jim Harris

Test Code: 8260-W

SW8260C

VOAs AWAL List by GC/MS Method 8260C/5030C

Method:

| 163 Wast 2600 Couth                           |                                       |               |                    |                           |
|---|---------------------------------------|---------------|--------------------|---------------------------|
| 463 West 3600 South<br>It Lake City, UT 84115 | Compound                              | CAS<br>Number | Reporting<br>Limit | Analytical<br>Result Qual |
|   | 1,1,1-Trichloroethane                 | 71-55-6       | 20.0               | < 20.0                    |
|   | 1,1,2,2-Tetrachloroethane             | 79-34-5       | 20.0               | < 20.0                    |
| Phone: (801) 263-8686                         | 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1       | 20.0               | < 20.0                    |
| oll Free: (888) 263-8686                      | 1,1,2-Trichloroethane                 | 79-00-5       | 20.0               | < 20.0                    |
| Fax: (801) 263-8687                           | 1,1-Dichloroethane                    | 75-34-3       | 20.0               | < 20.0                    |
| nail: awal@awal-labs.com                      | 1,1-Dichloroethene                    | 75-35-4       | 20.0               | < 20.0                    |
| eb: www.awal-labs.com                         | 1,2,4-Trichlorobenzene                | 120-82-1      | 20.0               | < 20.0                    |
| D: www.awai-fabs.com                          | 1,2-Dibromo-3-chloropropane           | 96-12-8       | 50.0               | < 50.0                    |
|   | 1,2-Dibromoethane                     | 106-93-4      | 20.0               | < 20.0                    |
| Kyle F. Gross                                 | 1,2-Dichlorobenzene                   | 95-50-1       | 20.0               | < 20.0                    |
| Laboratory Director                           | 1,2-Dichloroethane                    | 107-06-2      | 20.0               | < 20.0                    |
| Lucoratory Director                           | 1,2-Dichloropropane                   | 78-87-5       | 20.0               | < 20.0                    |
| Jose Rocha                                    | 1,3-Dichlorobenzene                   | 541-73-1      | 20.0               | < 20.0                    |
| QA Officer                                    | 1,4-Dichlorobenzene                   | 106-46-7      | 20.0               | < 20.0                    |
| -   | 2-Butanone                            | 78-93-3       | 100                | < 100                     |
|   | 2-Hexanone                            | 591-78-6      | 50.0               | < 50.0                    |
|   | 4-Methyl-2-pentanone                  | 108-10-1      | 50.0               | < 50.0                    |
|   | Acetone                               | 67-64-1       | 100                | < 100                     |
|   | Benzene                               | 71-43-2       | 20.0               | < 20.0                    |
|   | Bromodichloromethane                  | 75-27-4       | 20.0               | < 20.0                    |
|   | Bromoform                             | 75-25-2       | 20.0               | < 20.0                    |
|   | Bromomethane                          | 74-83-9       | 50.0               | < 50.0                    |
|   | Carbon disulfide                      | 75-15-0       | 20.0               | < 20.0                    |
|   | Carbon tetrachloride                  | 56-23-5       | 20.0               | < 20.0                    |
|   | Chlorobenzene                         | 108-90-7      | 20.0               | < 20.0                    |
|   | Chloroethane                          | 75-00-3       | 20.0               | < 20.0                    |
|   | Chloroform                            | 67-66-3       | 20.0               | < 20.0                    |
|   | Chloromethane                         | 74-87-3       | 30.0               | < 30.0                    |
|   | cis-1,2-Dichloroethene                | 156-59-2      | 20.0               | < 20.0                    |
|   | cis-1,3-Dichloropropene               | 10061-01-5    | 20.0               | < 20.0                    |

**Dilution Factor:** 10



### Lab Sample ID: 1404528-004A

Client Sample ID: Inside Boom

|          | <b>Units:</b> µg/L                             | <b>Dilution Factor</b> | <b>:</b> 10 |                | Method:           | SW8260C              |      |
|----------|--|------------------------|-------------|----------------|-------------------|----------------------|------|
| n West   | Compound                                       |                        |             | CAS Roumber    | eporting<br>Limit | Analytical<br>Result | Qual |
|          | Cyclohexane                                    |                        | 11          | 10-82-7        | 20.0              | < 20.0               |      |
|          | Dibromochloromethane                           |                        | 12          | 24-48-1        | 20.0              | < 20.0               |      |
|          | Dichlorodifluoromethane                        |                        | 7           | 5-71-8         | 20.0              | < 20.0               |      |
|          | Ethylbenzene                                   |                        | 10          | 00-41-4        | 20.0              | < 20.0               |      |
| 00 South | Isopropylbenzene                               |                        | 9           | 8-82-8         | 20.0              | < 20.0               |      |
| 84115    | Methyl Acetate                                 |                        | 7           | 9-20-9         | 50.0              | < 50.0               |      |
|          | Methyl tert-butyl ether                        |                        | 16          | 34-04-4        | 20.0              | < 20.0               |      |
|          | Methylcyclohexane                              |                        | 10          | )8-87-2        | 20.0              | < 20.0               |      |
| 3-8686   | Methylene chloride                             |                        | 7:          | 5-09-2         | 20.0              | < 20.0               |      |
| 63-8686  | Naphthalene                                    |                        | 9           | 1-20-3         | 20.0              | < 20.0               |      |
| 8687     | Styrene  |                        | 10          | 00-42-5        | 20.0              | < 20.0               |      |
| labs.com | Tetrachloroethene                              |                        | 12          | 27-18-4        | 20.0              | < 20.0               |      |
| aconcom  | Toluene  |                        | 10          | )8-88-3        | 20.0              | < 20.0               |      |
| s.com    | TPH C6-C10 (GRO)                               |                        |             |                | 200               | < 200                |      |
|          | trans-1,2-Dichloroethene                       |                        | 15          | 56-60-5        | 20.0              | < 20.0               |      |
|          | trans-1,3-Dichloropropene                      |                        | 100         | )61-02-6       | 20.0              | < 20.0               |      |
| . Gross  | Trichloroethene                                |                        | 7           | 9-01-6         | 20.0              | < 20.0               |      |
| Director | Trichlorofluoromethane                         |                        | 7:          | 5-69-4         | 20.0              | < 20.0               |      |
|          | Vinyl chloride                                 |                        | 7:          | 5-01-4         | 10.0              | < 10.0               |      |
| e Rocha  | Xylenes, Total                                 |                        | 13          | 30-20-7        | 20.0              | < 20.0               |      |
| Officer  | Surrogate                                      | CAS                    | Result      | Amount Spiked  | % REC             | Limits               | Qual |
|          | Surr: 1,2-Dichloroethane-d4                    | 17060-07-0             | 526         | 500.0          | 105               | 72-151               |      |
|          | Surr: 4-Bromofluorobenzene                     | 460-00-4               | 516         | 500.0          | 103               | 80-128               |      |
|          | Surr: Dibromofluoromethane<br>Surr: Toluene-d8 | 1868-53-7<br>2037-26-5 | 493<br>499  | 500.0<br>500.0 | 98.5<br>99.9      | 80-124<br>77-129     |      |

The reporting limits were raised due to sample matrix interferences. Sample contained oil.

#### Report Date: 4/25/2014 Page 13 of 22



Surr: 4-Bromofluorobenzene

0.199

mg/L

#### 463 West 3600 South

Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

e-mail: awal@awal-labs.com, web: www.awal-labs.com

### Jose Rocha QA Officer

## **QC SUMMARY REPORT**

| Lab Set ID: 1                | Jtah Division of Water (<br>404528<br>Deer Creek Res. Turkey | - •                              |                      |         |       |                    | Contact:Jim HarrisDept:GCQC Type:LCS |                      |      |          |                 |       |              |      |
|------------------------------|--|----------------------------------|----------------------|---------|-------|--------------------|--------------------------------------|----------------------|------|----------|-----------------|-------|--------------|------|
| Analyte                      |  | Result                           | Units                | Method  | MDL   | Reporting<br>Limit | Amount<br>Spiked                     | Spike Ref.<br>Amount | %REC | Limits   | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
| Lab Sample ID:<br>Test Code: | LCS-31905<br>8015-W-TPH(1L)                                  | Date Analyzed:<br>Date Prepared: | 04/25/20<br>04/24/20 |         |       |                    |                                      |                      |      |          |                 |       |              |      |
| Diesel Range Or              | ganics (DRO) (C10-C28)                                       | 1.52                             | mg/L                 | SW8015D | 0.198 | 0.500              | 2.000                                | 0                    | 75.8 | 48 - 118 |                 |       |              |      |

0.4000

49.8

18 - 95

SW8015D

Report Date: 4/25/2014 Page 14 of 22



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

e-mail: awal@awal-labs.com, web: www.awal-labs.com

### Jose Rocha QA Officer

#### **QC SUMMARY REPORT** Utah Division of Water Quality Jim Harris **Client: Contact:** Lab Set ID: 1404528 Dept: GC QC Type: MBLK Deer Creek Res. Turkey Truck **Project:** Reporting Spike Ref. **RPD Ref.** RPD Amount Result Units Method MDL %REC % RPD Limit Qual Analyte Limit Spiked Limits Amount Amt Lab Sample ID: MB-31905 04/25/2014 042h Date Analyzed: Test Code: 8015-W-TPH(1L) Date Prepared: 04/24/2014 1625h Diesel Range Organics (DRO) (C10-C28) SW8015D 0.198 0.500 < 0.500mg/L SW8015D Surr: 4-Bromofluorobenzene 0.215 mg/L 0.4000 53.7 18 - 95

Report Date: 4/25/2014 Page 15 of 22



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

e-mail: awal@awal-labs.com, web: www.awal-labs.com

### Jose Rocha QA Officer

**QC SUMMARY REPORT** 

| Client:       | Utah Division of Water                     | Quality                          |       |        |     |                    | Contact          | : Jim Harri          | S    |        |                 |       |              |      |
|---------------|--|----------------------------------|-------|--------|-----|--------------------|------------------|----------------------|------|--------|-----------------|-------|--------------|------|
| Lab Set ID:   | 1404528                                    |                                  |       |        |     |                    | Dept:            | GC                   |      |        |                 |       |              |      |
| Project:      | Deer Creek Res. Turkey                     | Truck                            |       |        |     |                    | QC Тур           | e: MS                |      |        |                 |       |              |      |
| Analyte       |  | Result                           | Units | Method | MDL | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount | %REC | Limits | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
| Lab Sample II | <b>D: 1404528-001BMS</b><br>8015-W-TPH(1L) | Date Analyzed:<br>Date Prepared: |       |        |     |                    |                  |                      |      |        |                 |       |              |      |

| Tes | Code:        | 8013-W-IPH(IL)          | Date Prepared: | 04/24/20 | 4/24/2014 10250 |       |       |        |   |      |          |  |  |  |  |
|-----|--------------|-------------------------|----------------|----------|-----------------|-------|-------|--------|---|------|----------|--|--|--|--|
| Die | esel Range O | rganics (DRO) (C10-C28) | 1.51           | mg/L     | SW8015D         | 0.198 | 0.500 | 2.000  | 0 | 75.3 | 60 - 161 |  |  |  |  |
|     | Surr: 4-Brom | ofluorobenzene          | 0.158          | mg/L     | SW8015D         |       |       | 0.4000 |   | 39.6 | 10 - 190 |  |  |  |  |

Report Date: 4/25/2014 Page 16 of 22



Surr: 4-Bromofluorobenzene

0.172

mg/L

463 West 3600 South

Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

e-mail: awal@awal-labs.com, web: www.awal-labs.com

### Jose Rocha QA Officer

10 - 190

43.0

## **QC SUMMARY REPORT**

| Lab Set ID: 1                | Deer Creek Res. Turkey Truck             |                                  |                      |         |       |                    |                  | Contact:Jim HarrisDept:GCQC Type:MSD |      |          |                 |       |              |      |  |
|------------------------------|--|----------------------------------|----------------------|---------|-------|--------------------|------------------|--------------------------------------|------|----------|-----------------|-------|--------------|------|--|
| Analyte                      |  | Result                           | Units                | Method  | MDL   | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount                 | %REC | Limits   | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |  |
| Lab Sample ID:<br>Test Code: | <b>1404528-001BMSD</b><br>8015-W-TPH(1L) | Date Analyzed:<br>Date Prepared: | 04/25/20<br>04/24/20 |         |       |                    |                  |                                      |      |          |                 |       |              |      |  |
| Diesel Range O               | rganics (DRO) (C10-C28)                  | 1.50                             | mg/L                 | SW8015D | 0.198 | 0.500              | 2.000            | 0                                    | 74.9 | 60 - 161 | 1.51            | 0.567 | 25           |      |  |

0.4000

SW8015D

Report Date: 4/25/2014 Page 17 of 22



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

Jose Rocha QA Officer

e-mail: awal@awal-labs.com, web: www.awal-labs.com

## **QC SUMMARY REPORT**

| ANALITICAL LA | BORATORIES                     |                 |            |
|---------------|--------------------------------|-----------------|------------|
| Client:       | Utah Division of Water Quality | Contact:        | Jim Harris |
| Lab Set ID:   | 1404528                        | Dept:           | MSVOA      |
| Project:      | Deer Creek Res. Turkey Truck   | <b>QC Тур</b> е | : LCS      |

| Analyte                          | Result         | Units    | Method   | MDL   | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount | %REC | Limits   | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
|----------------------------------|----------------|----------|----------|-------|--------------------|------------------|----------------------|------|----------|-----------------|-------|--------------|------|
| Lab Sample ID: LCS VOC-C 042414B | Date Analyzed: | 04/24/20 | 14 1804h |       |                    |                  |                      |      |          |                 |       |              |      |
| Test Code: 8260-W                |                |          |          |       |                    |                  |                      |      |          |                 |       |              |      |
| 1,1,1-Trichloroethane            | 19.4           | μg/L     | SW8260C  | 1.01  | 2.00               | 20.00            | 0                    | 96.8 | 59 - 156 |                 |       |              |      |
| 1,1-Dichloroethene               | 21.7           | μg/L     | SW8260C  | 0.294 | 2.00               | 20.00            | 0                    | 109  | 46 - 171 |                 |       |              |      |
| 1,2-Dichlorobenzene              | 20.4           | μg/L     | SW8260C  | 1.44  | 2.00               | 20.00            | 0                    | 102  | 67 - 135 |                 |       |              |      |
| 1,2-Dichloroethane               | 19.4           | μg/L     | SW8260C  | 1.40  | 2.00               | 20.00            | 0                    | 97.2 | 60 - 137 |                 |       |              |      |
| 1,2-Dichloropropane              | 19.4           | μg/L     | SW8260C  | 1.30  | 2.00               | 20.00            | 0                    | 96.8 | 59 - 135 |                 |       |              |      |
| Benzene                          | 19.8           | μg/L     | SW8260C  | 0.847 | 2.00               | 20.00            | 0                    | 98.8 | 62 - 127 |                 |       |              |      |
| Chlorobenzene                    | 20.2           | μg/L     | SW8260C  | 1.36  | 2.00               | 20.00            | 0                    | 101  | 63 - 140 |                 |       |              |      |
| Chloroform                       | 20.2           | μg/L     | SW8260C  | 1.28  | 2.00               | 20.00            | 0                    | 101  | 67 - 132 |                 |       |              |      |
| Ethylbenzene                     | 20.7           | μg/L     | SW8260C  | 0.306 | 2.00               | 20.00            | 0                    | 103  | 55 - 133 |                 |       |              |      |
| Isopropylbenzene                 | 20.5           | μg/L     | SW8260C  | 1.31  | 2.00               | 20.00            | 0                    | 102  | 60 - 162 |                 |       |              |      |
| Methyl tert-butyl ether          | 18.6           | μg/L     | SW8260C  | 0.211 | 2.00               | 20.00            | 0                    | 92.8 | 37 - 189 |                 |       |              |      |
| Methylene chloride               | 18.6           | μg/L     | SW8260C  | 1.76  | 2.00               | 20.00            | 0                    | 93.0 | 32 - 185 |                 |       |              |      |
| Naphthalene                      | 18.7           | μg/L     | SW8260C  | 0.671 | 2.00               | 20.00            | 0                    | 93.7 | 28 - 136 |                 |       |              |      |
| Toluene                          | 19.7           | μg/L     | SW8260C  | 1.41  | 2.00               | 20.00            | 0                    | 98.6 | 64 - 129 |                 |       |              |      |
| Trichloroethene                  | 20.4           | μg/L     | SW8260C  | 0.376 | 2.00               | 20.00            | 0                    | 102  | 54 - 152 |                 |       |              |      |
| Xylenes, Total                   | 62.8           | μg/L     | SW8260C  | 1.05  | 2.00               | 60.00            | 0                    | 105  | 52 - 134 |                 |       |              |      |
| Surr: 1,2-Dichloroethane-d4      | 50.0           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 100  | 76 - 138 |                 |       |              |      |
| Surr: 4-Bromofluorobenzene       | 49.2           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 98.5 | 77 - 121 |                 |       |              |      |
| Surr: Dibromofluoromethane       | 49.3           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 98.6 | 67 - 128 |                 |       |              |      |
| Surr: Toluene-d8                 | 48.9           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 97.8 | 81 - 135 |                 |       |              |      |



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

e-mail: awal@awal-labs.com, web: www.awal-labs.com

## **QC SUMMARY REPORT**

**Contact:** 

Dept:

Jim Harris

**MSVOA** 

| Client:     | Utah Division of Water Quality |
|-------------|--------------------------------|
| Lab Set ID: | 1404528                        |
| Project:    | Deer Creek Res. Turkey Truck   |

Jose Rocha QA Officer

| Project: Deer Creek Res. Turkey                |                | QC Typ   | e: MBLK  |       |                    |                  |                      |      |        |                 |       |              |      |
|--|----------------|----------|----------|-------|--------------------|------------------|----------------------|------|--------|-----------------|-------|--------------|------|
| Analyte  | Result         | Units    | Method   | MDL   | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount | %REC | Limits | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
| Lab Sample ID:MB VOC-C 042414BTest Code:8260-W | Date Analyzed: | 04/24/20 | 14 1841h |       |                    |                  |                      |      |        |                 |       |              |      |
| 1,1,1-Trichloroethane                          | < 2.00         | μg/L     | SW8260C  | 1.01  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,1,2,2-Tetrachloroethane                      | < 2.00         | μg/L     | SW8260C  | 0.281 | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane          | < 2.00         | μg/L     | SW8260C  | 0.324 | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,1,2-Trichloroethane                          | < 2.00         | μg/L     | SW8260C  | 1.43  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,1-Dichloroethane                             | < 2.00         | μg/L     | SW8260C  | 1.35  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,1-Dichloroethene                             | < 2.00         | μg/L     | SW8260C  | 0.294 | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,2,4-Trichlorobenzene                         | < 2.00         | μg/L     | SW8260C  | 0.357 | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,2-Dibromo-3-chloropropane                    | < 5.00         | μg/L     | SW8260C  | 0.421 | 5.00               |                  |                      |      |        |                 |       |              |      |
| 1,2-Dibromoethane                              | < 2.00         | μg/L     | SW8260C  | 1.40  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,2-Dichlorobenzene                            | < 2.00         | μg/L     | SW8260C  | 1.44  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,2-Dichloroethane                             | < 2.00         | μg/L     | SW8260C  | 1.40  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,2-Dichloropropane                            | < 2.00         | μg/L     | SW8260C  | 1.30  | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,3-Dichlorobenzene                            | < 2.00         | μg/L     | SW8260C  | 0.366 | 2.00               |                  |                      |      |        |                 |       |              |      |
| 1,4-Dichlorobenzene                            | < 2.00         | μg/L     | SW8260C  | 0.309 | 2.00               |                  |                      |      |        |                 |       |              |      |
| 2-Butanone                                     | < 10.0         | μg/L     | SW8260C  | 0.806 | 10.0               |                  |                      |      |        |                 |       |              |      |
| 2-Hexanone                                     | < 5.00         | μg/L     | SW8260C  | 0.532 | 5.00               |                  |                      |      |        |                 |       |              |      |
| 4-Methyl-2-pentanone                           | < 5.00         | μg/L     | SW8260C  | 0.360 | 5.00               |                  |                      |      |        |                 |       |              |      |
| Acetone  | < 10.0         | μg/L     | SW8260C  | 3.62  | 10.0               |                  |                      |      |        |                 |       |              |      |
| Benzene  | < 2.00         | μg/L     | SW8260C  | 0.847 | 2.00               |                  |                      |      |        |                 |       |              |      |
| Bromodichloromethane                           | < 2.00         | μg/L     | SW8260C  | 0.209 | 2.00               |                  |                      |      |        |                 |       |              |      |
| Bromoform                                      | < 2.00         | μg/L     | SW8260C  | 0.396 | 2.00               |                  |                      |      |        |                 |       |              |      |
| Bromomethane                                   | < 5.00         | μg/L     | SW8260C  | 2.68  | 5.00               |                  |                      |      |        |                 |       |              |      |
| Carbon disulfide                               | < 2.00         | μg/L     | SW8260C  | 0.285 | 2.00               |                  |                      |      |        |                 |       |              |      |
| Carbon tetrachloride                           | < 2.00         | μg/L     | SW8260C  | 0.378 | 2.00               |                  |                      |      |        |                 |       |              |      |
| Chlorobenzene                                  | < 2.00         | μg/L     | SW8260C  | 1.36  | 2.00               |                  |                      |      |        |                 |       |              |      |
| Chloroethane                                   | < 2.00         | μg/L     | SW8260C  | 0.550 | 2.00               |                  |                      |      |        |                 |       |              |      |
| Chloroform                                     | < 2.00         | μg/L     | SW8260C  | 1.28  | 2.00               |                  |                      |      |        |                 |       |              |      |
| Chloromethane                                  | < 3.00         | μg/L     | SW8260C  | 1.26  | 3.00               |                  |                      |      |        |                 |       |              |      |
| cis-1,2-Dichloroethene                         | < 2.00         | μg/L     | SW8260C  | 0.271 | 2.00               |                  |                      |      |        |                 |       |              |      |

Report Date: 4/25/2014 Page 19 of 22



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

e-mail: awal@awal-labs.com, web: www.awal-labs.com

## **OC SUMMARY REPORT**

| Client:     | Utah Division of Water Quality |
|-------------|--------------------------------|
| Lab Set ID: | 1404528                        |
| Project.    | Deer Creek Res, Turkey Truck   |

Jose Rocha **QA** Officer

| Client:Utah Division of WaterLab Set ID:1404528Project:Deer Creek Res. Turkey | Contact:<br>Dept:<br>QC Type | MSVOA    |          |       |                    |                  |                      |      |          |                 |       |              |      |
|---|------------------------------|----------|----------|-------|--------------------|------------------|----------------------|------|----------|-----------------|-------|--------------|------|
| Analyte   | Result                       | Units    | Method   | MDL   | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount | %REC | Limits   | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
| Lab Sample ID:MB VOC-C 042414BTest Code:8260-W                                | Date Analyzed:               | 04/24/20 | 14 1841h |       |                    |                  |                      |      |          |                 |       |              |      |
| cis-1,3-Dichloropropene   | < 2.00                       | μg/L     | SW8260C  | 1.13  | 2.00               |                  |                      |      |          |                 |       |              |      |
| Cyclohexane   | < 2.00                       | μg/L     | SW8260C  | 0.405 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Dibromochloromethane  | < 2.00                       | μg/L     | SW8260C  | 0.996 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Dichlorodifluoromethane   | < 2.00                       | μg/L     | SW8260C  | 1.04  | 2.00               |                  |                      |      |          |                 |       |              |      |
| Ethylbenzene  | < 2.00                       | μg/L     | SW8260C  | 0.306 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Isopropylbenzene  | < 2.00                       | μg/L     | SW8260C  | 1.31  | 2.00               |                  |                      |      |          |                 |       |              |      |
| Methyl Acetate  | < 5.00                       | μg/L     | SW8260C  | 1.14  | 5.00               |                  |                      |      |          |                 |       |              |      |
| Methyl tert-butyl ether   | < 2.00                       | μg/L     | SW8260C  | 0.211 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Methylcyclohexane   | < 2.00                       | μg/L     | SW8260C  | 0.427 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Methylene chloride  | < 2.00                       | μg/L     | SW8260C  | 1.76  | 2.00               |                  |                      |      |          |                 |       |              |      |
| Naphthalene   | < 2.00                       | μg/L     | SW8260C  | 0.671 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Styrene   | < 2.00                       | μg/L     | SW8260C  | 0.238 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Tetrachloroethene   | < 2.00                       | μg/L     | SW8260C  | 0.396 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Toluene   | < 2.00                       | μg/L     | SW8260C  | 1.41  | 2.00               |                  |                      |      |          |                 |       |              |      |
| TPH C6-C10 (GRO)  | < 20.0                       | μg/L     | SW8260C  | 2.77  | 20.0               |                  |                      |      |          |                 |       |              |      |
| trans-1,2-Dichloroethene  | < 2.00                       | μg/L     | SW8260C  | 0.346 | 2.00               |                  |                      |      |          |                 |       |              |      |
| trans-1,3-Dichloropropene   | < 2.00                       | μg/L     | SW8260C  | 1.23  | 2.00               |                  |                      |      |          |                 |       |              |      |
| Trichloroethene   | < 2.00                       | μg/L     | SW8260C  | 0.376 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Trichlorofluoromethane  | < 2.00                       | μg/L     | SW8260C  | 0.363 | 2.00               |                  |                      |      |          |                 |       |              |      |
| Vinyl chloride  | < 1.00                       | μg/L     | SW8260C  | 0.466 | 1.00               |                  |                      |      |          |                 |       |              |      |
| Xylenes, Total  | < 2.00                       | μg/L     | SW8260C  | 1.05  | 2.00               |                  |                      |      |          |                 |       |              |      |
| Surr: 1,2-Dichloroethane-d4   | 51.1                         | μg/L     | SW8260C  |       |                    | 50.00            |                      | 102  | 76 - 138 |                 |       |              |      |
| Surr: 4-Bromofluorobenzene  | 51.6                         | µg/L     | SW8260C  |       |                    | 50.00            |                      | 103  | 77 - 121 |                 |       |              |      |
| Surr: Dibromofluoromethane  | 49.3                         | μg/L     | SW8260C  |       |                    | 50.00            |                      | 98.6 | 67 - 128 |                 |       |              |      |
| Surr: Toluene-d8  | 50.8                         | μg/L     | SW8260C  |       |                    | 50.00            |                      | 102  | 81 - 135 |                 |       |              |      |

Report Date: 4/25/2014 Page 20 of 22



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

Jose Rocha QA Officer

e-mail: awal@awal-labs.com, web: www.awal-labs.com

## **QC SUMMARY REPORT**

| ANALTITCAL  | BORATORIES                     |          |            |
|-------------|--------------------------------|----------|------------|
| Client:     | Utah Division of Water Quality | Contact: | Jim Harris |
| Lab Set ID: | 1404528                        | Dept:    | MSVOA      |
| Project:    | Deer Creek Res. Turkey Truck   | QC Type: | MS         |

| Analyte                       | Result         | Units     | Method   | MDL   | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount | %REC | Limits   | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
|-------------------------------|----------------|-----------|----------|-------|--------------------|------------------|----------------------|------|----------|-----------------|-------|--------------|------|
| Lab Sample ID: 1404517-006AMS | Date Analyzed: | 04/24/20  | 14 1919h |       |                    |                  |                      |      |          |                 |       |              |      |
| Test Code: 8260-W             |                |           |          |       |                    |                  |                      |      |          |                 |       |              |      |
| 1,1,1-Trichloroethane         | 20.3           | μg/L      | SW8260C  | 1.01  | 2.00               | 20.00            | 0                    | 102  | 67 - 147 |                 |       |              |      |
| 1,1-Dichloroethene            | 22.2           | μg/L      | SW8260C  | 0.294 | 2.00               | 20.00            | 0                    | 111  | 51 - 152 |                 |       |              |      |
| 1,2-Dichlorobenzene           | 20.0           | μg/L      | SW8260C  | 1.44  | 2.00               | 20.00            | 0                    | 100  | 70 - 130 |                 |       |              |      |
| 1,2-Dichloroethane            | 20.4           | μg/L      | SW8260C  | 1.40  | 2.00               | 20.00            | 0                    | 102  | 39 - 162 |                 |       |              |      |
| 1,2-Dichloropropane           | 19.8           | μg/L      | SW8260C  | 1.30  | 2.00               | 20.00            | 0                    | 99.0 | 59 - 135 |                 |       |              |      |
| Benzene                       | 20.6           | μg/L      | SW8260C  | 0.847 | 2.00               | 20.00            | 0                    | 103  | 66 - 145 |                 |       |              |      |
| Chlorobenzene                 | 20.4           | μg/L      | SW8260C  | 1.36  | 2.00               | 20.00            | 0                    | 102  | 63 - 140 |                 |       |              |      |
| Chloroform                    | 55.5           | μg/L      | SW8260C  | 1.28  | 2.00               | 20.00            | 34.1                 | 107  | 50 - 146 |                 |       |              |      |
| Ethylbenzene                  | 20.8           | μg/L      | SW8260C  | 0.306 | 2.00               | 20.00            | 0                    | 104  | 69 - 133 |                 |       |              |      |
| Isopropylbenzene              | 20.1           | μg/L      | SW8260C  | 1.31  | 2.00               | 20.00            | 0                    | 101  | 60 - 147 |                 |       |              |      |
| Methyl tert-butyl ether       | 19.8           | μg/L      | SW8260C  | 0.211 | 2.00               | 20.00            | 0                    | 99.2 | 37 - 189 |                 |       |              |      |
| Methylene chloride            | 19.0           | μg/L      | SW8260C  | 1.76  | 2.00               | 20.00            | 0                    | 95.2 | 30 - 192 |                 |       |              |      |
| Naphthalene                   | 18.2           | μg/L      | SW8260C  | 0.671 | 2.00               | 20.00            | 0                    | 91.1 | 41 - 131 |                 |       |              |      |
| Toluene                       | 20.8           | μg/L      | SW8260C  | 1.41  | 2.00               | 20.00            | 0                    | 104  | 18 - 192 |                 |       |              |      |
| Trichloroethene               | 20.6           | μg/L      | SW8260C  | 0.376 | 2.00               | 20.00            | 0                    | 103  | 61 - 153 |                 |       |              |      |
| Xylenes, Total                | 60.9           | μg/L      | SW8260C  | 1.05  | 2.00               | 60.00            | 0                    | 102  | 42 - 167 |                 |       |              |      |
| Surr: 1,2-Dichloroethane-d4   | 52.5           | μg/L      | SW8260C  |       |                    | 50.00            |                      | 105  | 72 - 151 |                 |       |              |      |
| Surr: 4-Bromofluorobenzene    | 50.4           | μg/L      | SW8260C  |       |                    | 50.00            |                      | 101  | 80 - 128 |                 |       |              |      |
| Surr: Dibromofluoromethane    | 50.6           | μg/L      | SW8260C  |       |                    | 50.00            |                      | 101  | 80 - 124 |                 |       |              |      |
| Surr: Toluene-d8              | 49.3           | $\mu g/L$ | SW8260C  |       |                    | 50.00            |                      | 98.7 | 77 - 129 |                 |       |              |      |



Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

Kyle F. Gross Laboratory Director

Jose Rocha QA Officer

e-mail: awal@awal-labs.com, web: www.awal-labs.com

## **QC SUMMARY REPORT**

| ANALTITCAL LA | I ONATONIES                    | •               |            |
|---------------|--------------------------------|-----------------|------------|
| Client:       | Utah Division of Water Quality | Contact:        | Jim Harris |
| Lab Set ID:   | 1404528                        | Dept:           | MSVOA      |
| Project:      | Deer Creek Res. Turkey Truck   | <b>QC Туре:</b> | MSD        |

| Analyte                        | Result         | Units    | Method   | MDL   | Reporting<br>Limit | Amount<br>Spiked | Spike Ref.<br>Amount | %REC | Limits   | RPD Ref.<br>Amt | % RPD | RPD<br>Limit | Qual |
|--------------------------------|----------------|----------|----------|-------|--------------------|------------------|----------------------|------|----------|-----------------|-------|--------------|------|
| Lab Sample ID: 1404517-006AMSD | Date Analyzed: | 04/24/20 | 14 1937h |       |                    |                  |                      |      |          |                 |       |              |      |
| Test Code: 8260-W              |                |          |          |       |                    |                  |                      |      |          |                 |       |              |      |
| 1,1,1-Trichloroethane          | 18.8           | μg/L     | SW8260C  | 1.01  | 2.00               | 20.00            | 0                    | 94.0 | 67 - 147 | 20.3            | 7.67  | 25           |      |
| 1,1-Dichloroethene             | 20.1           | μg/L     | SW8260C  | 0.294 | 2.00               | 20.00            | 0                    | 100  | 51 - 152 | 22.3            | 10.3  | 25           |      |
| 1,2-Dichlorobenzene            | 18.6           | μg/L     | SW8260C  | 1.44  | 2.00               | 20.00            | 0                    | 92.9 | 70 - 130 | 20              | 7.51  | 25           |      |
| 1,2-Dichloroethane             | 18.8           | μg/L     | SW8260C  | 1.40  | 2.00               | 20.00            | 0                    | 93.9 | 39 - 162 | 20.4            | 8.02  | 25           |      |
| 1,2-Dichloropropane            | 18.4           | μg/L     | SW8260C  | 1.30  | 2.00               | 20.00            | 0                    | 92.1 | 59 - 135 | 19.8            | 7.27  | 25           |      |
| Benzene                        | 19.1           | μg/L     | SW8260C  | 0.847 | 2.00               | 20.00            | 0                    | 95.3 | 66 - 145 | 20.6            | 7.57  | 25           |      |
| Chlorobenzene                  | 18.8           | μg/L     | SW8260C  | 1.36  | 2.00               | 20.00            | 0                    | 94.3 | 63 - 140 | 20.4            | 7.90  | 25           |      |
| Chloroform                     | 53.5           | μg/L     | SW8260C  | 1.28  | 2.00               | 20.00            | 34.1                 | 97.0 | 50 - 146 | 55.5            | 3.69  | 25           |      |
| Ethylbenzene                   | 19.3           | μg/L     | SW8260C  | 0.306 | 2.00               | 20.00            | 0                    | 96.3 | 69 - 133 | 20.8            | 7.59  | 25           |      |
| Isopropylbenzene               | 18.6           | μg/L     | SW8260C  | 1.31  | 2.00               | 20.00            | 0                    | 93.0 | 60 - 147 | 20.1            | 7.75  | 25           |      |
| Methyl tert-butyl ether        | 19.5           | μg/L     | SW8260C  | 0.211 | 2.00               | 20.00            | 0                    | 97.3 | 37 - 189 | 19.8            | 1.93  | 25           |      |
| Methylene chloride             | 17.6           | μg/L     | SW8260C  | 1.76  | 2.00               | 20.00            | 0                    | 87.8 | 30 - 192 | 19              | 8.14  | 25           |      |
| Naphthalene                    | 16.5           | μg/L     | SW8260C  | 0.671 | 2.00               | 20.00            | 0                    | 82.3 | 41 - 131 | 18.2            | 10.1  | 25           |      |
| Toluene                        | 19.1           | μg/L     | SW8260C  | 1.41  | 2.00               | 20.00            | 0                    | 95.7 | 18 - 192 | 20.8            | 8.36  | 25           |      |
| Trichloroethene                | 19.2           | μg/L     | SW8260C  | 0.376 | 2.00               | 20.00            | 0                    | 96.1 | 61 - 153 | 20.6            | 7.08  | 25           |      |
| Xylenes, Total                 | 56.9           | μg/L     | SW8260C  | 1.05  | 2.00               | 60.00            | 0                    | 94.9 | 42 - 167 | 60.9            | 6.79  | 25           |      |
| Surr: 1,2-Dichloroethane-d4    | 51.7           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 103  | 72 - 151 |                 |       |              |      |
| Surr: 4-Bromofluorobenzene     | 50.3           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 101  | 80 - 128 |                 |       |              |      |
| Surr: Dibromofluoromethane     | 50.2           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 100  | 80 - 124 |                 |       |              |      |
| Surr: Toluene-d8               | 48.3           | μg/L     | SW8260C  |       |                    | 50.00            |                      | 96.6 | 77 - 129 |                 |       |              |      |

Report Date: 4/25/2014 Page 22 of 22

American West Analytical Laboratories

**RUSH** 

| WORK O                | <b>RDER Summary</b>                                  |                 |  |                                     | Work (  | Order: <b>14</b>    | 04528         | Page 1 of 1 |
|-----------------------|--|-----------------|--|-------------------------------------|---|---------------------|---------------|-------------|
| Client:               | Utah Division of Water Quality                       |                 |  |                                     | Due   | Date: 4/25          | /2014         |             |
| Client ID:            | UTD200   |                 | Contact                                | Jim Harris                          |   |                     |               |             |
| Project:<br>Comments: | Deer Creek Res. Turkey Truck<br>Next Day Rush / QC2; |                 | QC Leve                                | el: II                              | WC  | ) Type: Sta         | ndard         | eh          |
| Sample ID             | Client Sample ID                                     | Collected Date  | Received Date                          | Test Code                           | Matrix  | Sel                 | Storage       |             |
| 1404528-001A          | Midd Channel   | 4/24/2014 1255h | 4/24/2014 1453h                        | <b>8260-W</b><br>Test Group: 8260-  | Aqueous<br>W-AWAL; # of Analytes: 50 / # of ,   | Surr: 4             | vOC           | 3           |
| 1404528-001B          |  |                 |  | 3510-TPH-PR                         |   |                     | Walkin-TPH (I | Liters) 4   |
|                       |  |                 |  | 8015-W-TPH(1L)<br>Test Group: 8015- | W-TPH1L; # of Analytes: 1 / # of S              | Surr: 1             | Walkin-TPH (I | Liters)     |
| 1404528-002A          | Below Boom SW  | 4/24/2014 1245h | 4/24/2014_1453h                        | 8260-W                              | Aqueous<br>W-AWAL; # of Analytes: 50 / # of A   | $\checkmark$        | vOC           | 3           |
| 1404528-002B          |  |                 |  | 3510-TPH-PR                         | , 11, 112, 1 0, 11, 11, 10, 0, 0, 0, 0, 1, 0, 1 |                     | Walkin-TPH (I | Liters) 2   |
|                       |  |                 |  | 8015-W-TPH(1L)<br>Test Group: 8015- | W-TPH1L; # of Analytes: 1 / # of S              | ✓<br>Surr: 1        | Walkin-TPH (l | Liters)     |
| 1404528-003A          | Above Boom NE  | 4/24/2014 1255h | 4/24/2014 1453h                        | <b>8260-W</b><br>Test Group: 8260-  | Aqueous<br>W-AWAL; # of Analytes: 50 / # of A   | Surr: 4             | vOC           | 3           |
| 1404528-003B          |  |                 |  | 3510-TPH-PR                         |   |                     | Walkin-TPH (J | Liters) 2   |
|                       |  |                 |  | 8015-W-TPH(1L)<br>Test Group: 8015- | W-TPH1L; # of Analytes: 1 / # of S              | ✓<br>Surr: 1        | Walkin-TPH (l | Liters)     |
| 1404528-004A          | Inside Boom  | 4/24/2014 1305h | 4/24/2014 1453h                        | 8260-W                              | Aqueous<br>W-AWAL; # of Analytes: 50 / # of A   | Surray A            | vOC           | 3           |
| 1404528-004B          |  |                 |  | 3510-TPH-PR                         | W-AWAL, # 0J Analyles: 50 / # 0J                |                     | Walkin-TPH () | Liters) 2   |
|                       | 1  |                 | ······································ | 8015-W-TPH(1L)                      | W-TPH1L; # of Analytes: 1 / # of S              | <b>✓</b><br>Surr: 1 | Walkin-TPH (I | ,           |

D

HOK\_\_\_\_

| ANALYTICAL LABO<br>463 W. 3600 S. SALT LAKE C  | AMERICAN WEST<br>ANALYTICAL LABORATORIES<br>463 W. 3600 S. SALT LAKE CITY, UT 84115 |                                       |           |             |           | CHAIN OF CUSTODY<br>ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED<br>USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED<br>OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION. |  |                         |             |  |  |  |  |  |
|--|---|---------------------------------------|-----------|-------------|-----------|--|--|-------------------------|-------------|--|--|--|--|--|
|  | e # (888) 263-8686<br>wal@awal-labs.com   |                                       |           | OTHE        |           | 1  |  | ODY AND/C               |             | HED DOCUMENTATION.<br>UNLESS OTHER ARRANGEMENTS HAVE   | Page of  |  |  |  |
| WWW.AWAL-LABS  |   | 1                                     | Ø         | 2+ 3        |           |  |  | 4 5                     |             | BEEN MADE, SIGNED REPORTS WILL BE<br>EMAILED BY <b>5:00 PM</b> on the<br>DAY THEY ARE DUE,   |  |  |  |  |
| CLIENT: State of Utah(Di<br>Address:<br>CONTACT: Jim Harviss                                   | V. WatrQue  | ality                                 |           |             |           |  |  |                         |             | REPORT DOWN TO THE MDL  INCLUDE EDD:  LAB FILTER FOR:  Field Filtered For:  For Compliance With:   | LABORATORY USE ONLY<br>SAMPLES WERE:<br>1 SHIPPED OR HAND DELIVERED<br>2 AMBIENT OR CHILLED                                  |  |  |  |
| PHONE # 801536-4300 CELL # 80<br>EMAIL:<br>PROJECT NAME: Deen CVECK Res<br>PROJECT #:<br>PO #: | )541-302<br>, Tarkayti  | Towners                               |           | H - du      | lhan - li |  |  |                         |             | For Compliance with:         NELAP         RCRA         CWA         SDWA         ELAP / A2LA         NLLAP         Non-Compliance         Other: | 3 TEMPERATURE C<br>4 RECEIVED BROKEN/LEAKING<br>(IMPROPERLY SEALED)<br>Y<br>5 PROPERLY PRESERVED<br>N<br>CHECKED<br>AT BENCH |  |  |  |
| SAMPLER NAME: Daniel that 8  |   | IME HO<br>IME HO<br>MPLED #           | SAMPLE TV | 201         | •         |  |  |                         |             | Known Hazards<br>&<br>Sample Comments  | 6 Received Within<br>Holding Times<br>Y N  |  |  |  |
| Below Boom S.W.<br>Below Boom S.W.<br>Above Boom B. E.<br>Thside Boom                          | 4/24/14/12/<br>4/24/14/12/<br>4/24/14/12<br>4/24/14/13                              | 55<br>46<br>55<br>6<br>305<br>6       | T (05)    |             |           |  |  |                         |             |  | COC TAPE WAS:<br>1 PRESENT ON OUTER BACKAGE<br>Y N NA<br>2 UNBROKEN ON OUTER PACKAGE<br>Y N NA                               |  |  |  |
| 3<br>7<br>3<br>9   |   |                                       |           |             |           |  |  |                         |             |  | 3 PRESENT ON SAMPLE<br>Y N NA<br>4 UNBROKEN ON SAMPLE<br>Y N NA<br>Discrepancies Between Sample                              |  |  |  |
|  |   |                                       |           |             |           |  |  |                         |             |  | LABELS AND COC RECORD?   |  |  |  |
| SIGNATURE  | PRINT I   | NAME: 5/                              | hn        | -Afa<br>-Ha | 1 de      | Ţ  |  | DATE:                   | 4/14<br>5 7 | Special Instructions:  |  |  |  |  |
| RELINQUISHED BY:<br>Signature<br>Print Name:<br>Relinquished by:                               | SIGNAT<br>TIME:<br>PRINT I<br>DATE: RECEIV  | Name:<br>ved by:                      |           |             |           |  |  | Date:<br>Time:<br>Date: |             |  |  |  |  |  |
| Signature Print Name: Relinquished by: Signature   | Signat<br>Time:<br>Print I<br>Date: Receiv<br>Signat                                | Name:<br>Ved by:                      |           |             |           |  |  | Time:<br>Date:          |             |  |  |  |  |  |
| Print Name:  | TIME:<br>PRINT I  | · · · · · · · · · · · · · · · · · · · |           |             |           |  |  | Тіме;                   |             |  |  |  |  |  |

. Э