

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Wednesday June 13, 2012

Report Number: L579427

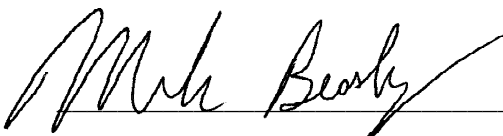
Samples Received: 06/08/12

Client Project:

Description: Hawkins 10-9 BC

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:



Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-1-2.5-BG

Collected By :
Collection Date : 06/07/12 09:46

ESC Sample # : L579427-01

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	8.0		su	9045D	06/11/12	1
Specific Conductance	220		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 06/13/12 14:08 Printed: 06/13/12 14:09
L579427-01 (PH) - 8.0 @ 20.3c



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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-1-2.5-BG

Collected By :
Collection Date : 06/07/12 09:46

ESC Sample # : L579427-02

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	5.6	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-1-2.5-BG

Collected By :
Collection Date : 06/07/12 09:46

ESC Sample # : L579427-03

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	5.3	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-1-2.5-BG

Collected By :
Collection Date : 06/07/12 09:46

ESC Sample # : L579427-04

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.8	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-1-2.5-BG

Collected By :
Collection Date : 06/07/12 09:46

ESC Sample # : L579427-05

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	6.0	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-2-5.0-BG

Collected By :
Collection Date : 06/07/12 09:57

ESC Sample # : L579427-06

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	8.3		su	9045D	06/11/12	1
Specific Conductance	210		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L579427-06 (PH) - 8.3 @ 20.2c



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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-2-5.0-BG

Collected By :
Collection Date : 06/07/12 09:57

ESC Sample # : L579427-07

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	5.7	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-2-5.0-BG

Collected By :
Collection Date : 06/07/12 09:57

ESC Sample # : L579427-08

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	6.2	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-2-5.0-BG

Collected By :
Collection Date : 06/07/12 09:57

ESC Sample # : L579427-09

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	5.8	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S1-2-5.0-BG

Collected By :
Collection Date : 06/07/12 09:57

ESC Sample # : L579427-10

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	6.0	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-1-2.5-BG

Collected By :
Collection Date : 06/07/12 10:47

ESC Sample # : L579427-11

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	7.7		su	9045D	06/11/12	1
Specific Conductance	180		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L579427-11 (PH) - 7.7 @ 20.2c



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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-1-2.5-BG

Collected By :
Collection Date : 06/07/12 10:47

ESC Sample # : L579427-12

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	1.7	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-1-2.5-BG

Collected By :
Collection Date : 06/07/12 10:47

ESC Sample # : L579427-13

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	1.3	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-1-2.5-BG

Collected By :
Collection Date : 06/07/12 10:47

ESC Sample # : L579427-14

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.0	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-1-2.5-BG

Collected By :
Collection Date : 06/07/12 10:47

ESC Sample # : L579427-15

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.5	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-2-5.0-BG

Collected By :
Collection Date : 06/07/12 10:58

ESC Sample # : L579427-16

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	7.8		su	9045D	06/11/12	1
Specific Conductance	77.		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 06/13/12 14:08 Printed: 06/13/12 14:09
L579427-16 (PH) - 7.8 @ 19.7c



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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-2-5.0-BG

Collected By :
Collection Date : 06/07/12 10:58

ESC Sample # : L579427-17

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.7	0.32	1.0	mg/kg		6010B	06/13/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-2-5.0-BG

Collected By :
Collection Date : 06/07/12 10:58

ESC Sample # : L579427-18

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	1.0	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-2-5.0-BG

Collected By :
Collection Date : 06/07/12 10:58

ESC Sample # : L579427-19

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	1.2	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S2-2-5.0-BG

Collected By :
Collection Date : 06/07/12 10:58

ESC Sample # : L579427-20

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	1.1	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

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Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-1-2.5-BG

Collected By :
Collection Date : 06/07/12 11:35

ESC Sample # : L579427-21

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	6.7		su	9045D	06/11/12	1
Specific Conductance	47.		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L579427-21 (PH) - 6.7 @ 20.0c



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Est. 1970

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-1-2.5-BG

Collected By :
Collection Date : 06/07/12 11:35

ESC Sample # : L579427-22

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.4	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-1-2.5-BG

Collected By :
Collection Date : 06/07/12 11:35

ESC Sample # : L579427-23

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.2	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-1-2.5-BG

Collected By :
Collection Date : 06/07/12 11:35

ESC Sample # : L579427-24

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.9	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-1-2.5-BG

Collected By :
Collection Date : 06/07/12 11:35

ESC Sample # : L579427-25

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.2	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-2-4.0-BG

Collected By :
Collection Date : 06/07/12 12:00

ESC Sample # : L579427-26

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	6.7		su	9045D	06/11/12	1
Specific Conductance	61.		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L579427-26 (PH) - 6.7 @ 20.0c



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Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-2-4.0-BG

Collected By :
Collection Date : 06/07/12 12:00

ESC Sample # : L579427-27

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	3.1	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-2-4.0-BG

Collected By :
Collection Date : 06/07/12 12:00

ESC Sample # : L579427-28

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.8	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-2-4.0-BG

Collected By :
Collection Date : 06/07/12 12:00

ESC Sample # : L579427-29

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	3.5	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S3-2-4.0-BG

Collected By :
Collection Date : 06/07/12 12:00

ESC Sample # : L579427-30

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	3.0	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-1-2.5-BG

Collected By :
Collection Date : 06/07/12 12:32

ESC Sample # : L579427-31

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	7.5		su	9045D	06/11/12	1
Specific Conductance	130		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L579427-31 (PH) - 7.5 @ 19.7c



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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-1-2.5-BG

Collected By :
Collection Date : 06/07/12 12:32

ESC Sample # : L579427-32

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.4	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-1-2.5-BG

Collected By :
Collection Date : 06/07/12 12:32

ESC Sample # : L579427-33

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	5.1	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-1-2.5-BG

Collected By :
Collection Date : 06/07/12 12:32

ESC Sample # : L579427-34

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	3.0	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-1-2.5-BG

Collected By :
Collection Date : 06/07/12 12:32

ESC Sample # : L579427-35

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	U	1.6	5.0	mg/kg	O	6010B	06/12/12	5

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-2-5.0-BG

Collected By :
Collection Date : 06/07/12 12:56

ESC Sample # : L579427-36

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	7.4		su	9045D	06/11/12	1
Specific Conductance	130		umhos/cm	9050AMod	06/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L579427-36 (PH) - 7.4 @ 19.9c



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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-2-5.0-BG

Collected By :
Collection Date : 06/07/12 12:56

ESC Sample # : L579427-37

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.7	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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REPORT OF ANALYSIS

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OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-2-5.0-BG

Collected By :
Collection Date : 06/07/12 12:56

ESC Sample # : L579427-38

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.6	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-2-5.0-BG

Collected By :
Collection Date : 06/07/12 12:56

ESC Sample # : L579427-39

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	U	0.32	1.0	mg/kg		6010B	06/12/12	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 13, 2012

Date Received : June 08, 2012
Description : Hawkins 10-9 BC

Sample ID : S4-2-5.0-BG

Collected By :
Collection Date : 06/07/12 12:56

ESC Sample # : L579427-40

Site ID : HAWKINS 10-9BG

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	U	1.6	5.0	mg/kg	O	6010B	06/12/12	5

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L579427-01	WG597091	SAMP	pH	R2205573	T8
L579427-06	WG597091	SAMP	pH	R2205573	T8
L579427-11	WG597091	SAMP	pH	R2205573	T8
L579427-16	WG597091	SAMP	pH	R2205573	T8
L579427-21	WG597091	SAMP	pH	R2205573	T8
L579427-26	WG597091	SAMP	pH	R2205573	T8
L579427-31	WG597091	SAMP	pH	R2205573	T8
L579427-35	WG597235	SAMP	Arsenic	R2206257	O
L579427-36	WG597091	SAMP	pH	R2205573	T8
L579427-40	WG597235	SAMP	Arsenic	R2206257	O

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

[illegible]