



2105365

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C. The samples were also analyzed for Gasoline Range Organics (GRO).

All acceptance criteria were met.

DRO:

The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All surrogate recoveries were within acceptance criteria with the following exception:

Surrogate	Sample	Direction
O-terphenyl	-1	Low

No target compounds were detected in the sample. No further action was taken.

All remaining acceptance criteria were met.

Dissolved Gasses:

The samples were prepared and analyzed according to method RSK-175 procedures and the current revision of SOP 449.

All acceptance criteria were met.

BART:

The Biological Activity Reaction Test was completed with the Iron-Related Bacteria, Sulfate-Reducing Bacteria, and Slime-Forming Bacteria kit manufactured by Hach Company. The analysis was performed following the manufacturer provided instructions. If the target analyte is not detected (absent), then the sample will be reported with "ND" in the result field and a "U" flag. If the target analyte is detected (present), then the sample will be reported with a "1" for a result without a flag.

All acceptance criteria were met.



Metals:

The samples were analyzed following Methods for the Determination of Metals in Environmental Samples – Supplement 1 procedures. Analysis by ICPMS followed method 200.8 and the current revision of SOP 827.

The samples were to be analyzed for dissolved metals. The samples were filtered through a 0.45 micron filter and preserved with nitric acid to a pH less than two prior to analysis.

All acceptance criteria were met.

Inorganics:

The samples were analyzed following EMSL and Standard Method procedures for the current revisions of the following SOPs and methods:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
Alkalinity	SM2320B	1106
Bicarbonate	SM2320B	1106
Carbonate	SM2320B	1106
pH	SM4500-H ⁺ B	1126
Specific conductance	SM2510B	1128
Total phosphorus	SM4500-P	1119
TDS	SM2540C	1101
Bromide	300.0 Revision 2.1	1113
Chloride	300.0 Revision 2.1	1113
Fluoride	300.0 Revision 2.1	1113
Nitrate as N	300.0 Revision 2.1	1113
Nitrite as N	300.0 Revision 2.1	1113
Total Nitrates	300.0 Revision 2.1	1113
Sulfate	300.0 Revision 2.1	1113

A matrix spike (MS) was prepared and analyzed with the anion batch. All guidance criteria for precision and accuracy were met with the following exception:

<u>Analyte</u>	<u>Sample ID</u>
Bromide	2106365-1MS

The native sample result is flagged for bromide. The laboratory control samples indicate that the procedure was in control.

All remaining acceptance criteria were met.

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
 Project: Yater, Watson Ranch B, Watson Ranch
 Sample ID: GVHS 264602
 Legal Location:
 Collection Date: 5/17/2021 10:40

Date: 14-Jun-21
 Work Order: 2105365
 Lab ID: 2105365-1
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
ALKALINITY AS CALCIUM CARBONATE			SM2320B				
BICARBONATE AS CaCO3	300		20	MG/L	1		5/28/2021
CARBONATE AS CaCO3	ND		20	MG/L	1		5/28/2021
TOTAL ALKALINITY AS CaCO3	300		20	MG/L	1		5/28/2021
BIOLOGICAL ACTIVITY REACTION TEST			BART				
IRON RELATED BACTERIA	35000		1	cfu/ml	1		6/2/2021
SLIME FORMING BACTERIA	13000		1	cfu/ml	1		6/2/2021
SULFATE REDUCING BACTERIA	75		1	cfu/ml	1		6/2/2021
DIESEL RANGE ORGANICS			SW8015M				
Diesel Range Organics	ND		1	MG/L	1	0.52	5/21/2021 01:18
Surr: O-TERPHENYL	63	*	69-120	%REC	1		5/21/2021 01:18
DISSOLVED GASSES			RSK175				
METHANE	ND		1	UG/L	1	1	5/28/2021 16:38
ETHANE	ND		2	UG/L	1	2	5/28/2021 16:38
PROPANE	ND		1	UG/L	1	1	5/28/2021 16:38
GC/MS VOLATILES			SW8260_25				
BENZENE	ND		1	UG/L	1	0.3	5/31/2021 01:10
TOLUENE	ND		1	UG/L	1	0.34	5/31/2021 01:10
ETHYLBENZENE	ND		1	UG/L	1	0.33	5/31/2021 01:10
M+P-XYLENE	ND		1	UG/L	1	0.55	5/31/2021 01:10
O-XYLENE	ND		1	UG/L	1	0.34	5/31/2021 01:10
TOTAL XYLENES	ND		1	UG/L	1		5/31/2021 01:10
Surr: 4-BROMOFLUOROBENZENE	115		80-120	%REC	1		5/31/2021 01:10
Surr: DIBROMOFLUOROMETHANE	97		80-120	%REC	1		5/31/2021 01:10
Surr: TOLUENE-D8	98		80-120	%REC	1		5/31/2021 01:10
GASOLINE RANGE ORGANICS	ND		100	UG/L	1	51	5/31/2021 01:10
ION CHROMATOGRAPHY			EPA300.0				
BROMIDE	0.065	JN	0.2	MG/L	1	0.064	5/19/2021 08:57
CHLORIDE	3		0.2	MG/L	1	0.076	5/19/2021 08:57
FLUORIDE	0.3		0.1	MG/L	1	0.039	5/19/2021 08:57
NITRATE/NITRITE AS N	0.5		0.15	MG/L	1		5/19/2021 08:57
NITRATE AS N	0.5		0.2	MG/L	1	0.092	5/19/2021 08:57
NITRITE AS N	ND		0.15	MG/L	1	0.069	5/19/2021 08:57
SULFATE	81		1	MG/L	1	0.53	5/19/2021 08:57
DISSOLVED METALS BY 200.8			EPA200.8				
BARIUM	0.034		0.001	MG/L	10	0.00049	5/26/2021 18:32
BORON	0.12		0.05	MG/L	10	0.026	5/26/2021 18:32
CALCIUM	33		1	MG/L	10	0.18	5/26/2021 18:32
IRON	ND		0.15	MG/L	10	0.071	5/26/2021 18:32
MAGNESIUM	27		0.1	MG/L	10	0.023	5/26/2021 18:32
MANGANESE	ND		0.004	MG/L	10	0.0021	5/26/2021 18:32

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SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
Project: Yater, Watson Ranch B, Watson Ranch
Sample ID: GVHS 264602
Legal Location:
Collection Date: 5/17/2021 10:40

Date: 14-Jun-21
Work Order: 2105365
Lab ID: 2105365-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
POTASSIUM	4.3		1	MG/L	10	0.2	5/26/2021 18:32
SELENIUM	0.0015	J	0.0015	MG/L	10	0.00067	5/26/2021 18:32
SODIUM	92		1	MG/L	10	0.13	5/26/2021 18:32
STRONTIUM	0.52		0.001	MG/L	10	0.00024	5/26/2021 18:32
PH			SM4500-H		Prep Date: 5/31/2021		PrepBy: BMK
PH	8.06		0.1	pH	1		5/31/2021
SPECIFIC CONDUCTANCE IN WATER			SM2510B		Prep Date: 5/21/2021		PrepBy: BMK
SPECIFIC CONDUCTIVITY	718		1	umhos/cm	1		5/21/2021
TOTAL DISSOLVED SOLIDS			SM2540C		Prep Date: 5/20/2021		PrepBy: BMK
TOTAL DISSOLVED SOLIDS	440		20	MG/L	1		5/20/2021
TOTAL PHOSPHORUS AS P			SM4500-P		Prep Date: 5/20/2021		PrepBy: LMC
TOTAL PHOSPHORUS	ND		0.05	MG/L	1	0.016	5/20/2021

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SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
 Project: Yater, Watson Ranch B, Watson Ranch
 Sample ID: Anderson SWSE S17 75 95W
 Legal Location:
 Collection Date: 5/17/2021 13:35

Date: 14-Jun-21
 Work Order: 2105365
 Lab ID: 2105365-2
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
ALKALINITY AS CALCIUM CARBONATE			SM2320B		Prep Date: 5/28/2021		PrepBy: BMK
BICARBONATE AS CaCO3	370		20	MG/L	1		5/28/2021
CARBONATE AS CaCO3	ND		20	MG/L	1		5/28/2021
TOTAL ALKALINITY AS CaCO3	370		20	MG/L	1		5/28/2021
BIOLOGICAL ACTIVITY REACTION TEST			BART		Prep Date: 5/24/2021		PrepBy: ZRH
IRON RELATED BACTERIA	140000		1	cfu/ml	1		6/2/2021
SLIME FORMING BACTERIA	13000		1	cfu/ml	1		6/2/2021
SULFATE REDUCING BACTERIA	27000		1	cfu/ml	1		6/2/2021
DIESEL RANGE ORGANICS			SW8015M		Prep Date: 5/18/2021		PrepBy: JRS
Diesel Range Organics	ND		1.5	MG/L	1	0.73	5/21/2021 01:40
Surr: O-TERPHENYL	94		69-120	%REC	1		5/21/2021 01:40
DISSOLVED GASSES			RSK175		Prep Date: 5/28/2021		PrepBy: JRS
METHANE	ND		1	UG/L	1	1	5/28/2021 16:42
ETHANE	ND		2	UG/L	1	2	5/28/2021 16:42
PROPANE	ND		1	UG/L	1	1	5/28/2021 16:42
GC/MS VOLATILES			SW8260_25		Prep Date: 5/30/2021		PrepBy: AEW
BENZENE	ND		1	UG/L	1	0.3	5/31/2021 01:34
TOLUENE	ND		1	UG/L	1	0.34	5/31/2021 01:34
ETHYLBENZENE	ND		1	UG/L	1	0.33	5/31/2021 01:34
M+P-XYLENE	ND		1	UG/L	1	0.55	5/31/2021 01:34
O-XYLENE	ND		1	UG/L	1	0.34	5/31/2021 01:34
TOTAL XYLENES	ND		1	UG/L	1		5/31/2021 01:34
Surr: 4-BROMOFLUOROBENZENE	114		80-120	%REC	1		5/31/2021 01:34
Surr: DIBROMOFLUOROMETHANE	98		80-120	%REC	1		5/31/2021 01:34
Surr: TOLUENE-D8	99		80-120	%REC	1		5/31/2021 01:34
GASOLINE RANGE ORGANICS	ND		100	UG/L	1	51	5/31/2021 01:34
ION CHROMATOGRAPHY			EPA300.0		Prep Date: 5/19/2021		PrepBy: LMC
BROMIDE	0.11	J	0.2	MG/L	1	0.064	5/19/2021 09:37
CHLORIDE	26		2	MG/L	10	0.76	5/19/2021 09:50
FLUORIDE	0.4		0.1	MG/L	1	0.039	5/19/2021 09:37
NITRATE/NITRITE AS N	4.6		0.15	MG/L	1		5/19/2021 09:37
NITRATE AS N	4.6		0.2	MG/L	1	0.092	5/19/2021 09:37
NITRITE AS N	ND		0.15	MG/L	1	0.069	5/19/2021 09:37
SULFATE	530		10	MG/L	10	5.3	5/19/2021 09:50
DISSOLVED METALS BY 200.8			EPA200.8		Prep Date: 5/26/2021		PrepBy: JML
BARIUM	0.016		0.001	MG/L	10	0.00049	5/26/2021 18:35
BORON	0.11		0.05	MG/L	10	0.026	5/26/2021 18:35
CALCIUM	92		1	MG/L	10	0.18	5/26/2021 18:35
IRON	ND		0.15	MG/L	10	0.071	5/26/2021 18:35
MAGNESIUM	93		0.1	MG/L	10	0.023	5/26/2021 18:35
MANGANESE	ND		0.004	MG/L	10	0.0021	5/26/2021 18:35

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SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
Project: Yater, Watson Ranch B, Watson Ranch
Sample ID: Anderson SWSE S17 75 95W
Legal Location:
Collection Date: 5/17/2021 13:35

Date: 14-Jun-21
Work Order: 2105365
Lab ID: 2105365-2
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
POTASSIUM	4.1		1	MG/L	10	0.2	5/26/2021 18:35
SELENIUM	0.014		0.0015	MG/L	10	0.00067	5/26/2021 18:35
SODIUM	170		1	MG/L	10	0.13	5/26/2021 18:35
STRONTIUM	1.5		0.001	MG/L	10	0.00024	5/26/2021 18:35
PH			SM4500-H		Prep Date: 5/31/2021		PrepBy: BMK
PH	7.74		0.1	pH	1		5/31/2021
SPECIFIC CONDUCTANCE IN WATER			SM2510B		Prep Date: 5/21/2021		PrepBy: BMK
SPECIFIC CONDUCTIVITY	1694		1	umhos/cm	1		5/21/2021
TOTAL DISSOLVED SOLIDS			SM2540C		Prep Date: 5/20/2021		PrepBy: BMK
TOTAL DISSOLVED SOLIDS	1200		40	MG/L	1		5/20/2021
TOTAL PHOSPHORUS AS P			SM4500-P		Prep Date: 5/20/2021		PrepBy: LMC
TOTAL PHOSPHORUS	ND		0.05	MG/L	1	0.016	5/20/2021

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SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
 Project: Yater, Watson Ranch B, Watson Ranch
 Sample ID: 264602
 Legal Location:
 Collection Date: 5/17/2021

Date: 14-Jun-21
 Work Order: 2105365
 Lab ID: 2105365-3
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
ALKALINITY AS CALCIUM CARBONATE			SM2320B		Prep Date: 5/28/2021		PrepBy: BMK
BICARBONATE AS CaCO3	300		20	MG/L	1		5/28/2021
CARBONATE AS CaCO3	ND		20	MG/L	1		5/28/2021
TOTAL ALKALINITY AS CaCO3	300		20	MG/L	1		5/28/2021
BIOLOGICAL ACTIVITY REACTION TEST			BART		Prep Date: 5/24/2021		PrepBy: ZRH
IRON RELATED BACTERIA	35000		1	cfu/ml	1		6/2/2021
SLIME FORMING BACTERIA	13000		1	cfu/ml	1		6/2/2021
SULFATE REDUCING BACTERIA	27000		1	cfu/ml	1		6/2/2021
DIESEL RANGE ORGANICS			SW8015M		Prep Date: 5/18/2021		PrepBy: JRS
Diesel Range Organics	ND		1.1	MG/L	1	0.54	5/21/2021 02:01
Surr: O-TERPHENYL	82		69-120	%REC	1		5/21/2021 02:01
DISSOLVED GASSES			RSK175		Prep Date: 5/28/2021		PrepBy: JRS
METHANE	ND		1	UG/L	1	1	5/28/2021 16:50
ETHANE	ND		2	UG/L	1	2	5/28/2021 16:50
PROPANE	ND		1	UG/L	1	1	5/28/2021 16:50
GC/MS VOLATILES			SW8260_25		Prep Date: 5/30/2021		PrepBy: AEW
BENZENE	ND		1	UG/L	1	0.3	5/31/2021 01:57
TOLUENE	ND		1	UG/L	1	0.34	5/31/2021 01:57
ETHYLBENZENE	ND		1	UG/L	1	0.33	5/31/2021 01:57
M+P-XYLENE	ND		1	UG/L	1	0.55	5/31/2021 01:57
O-XYLENE	ND		1	UG/L	1	0.34	5/31/2021 01:57
TOTAL XYLENES	ND		1	UG/L	1		5/31/2021 01:57
Surr: 4-BROMOFLUOROBENZENE	117		80-120	%REC	1		5/31/2021 01:57
Surr: DIBROMOFLUOROMETHANE	97		80-120	%REC	1		5/31/2021 01:57
Surr: TOLUENE-D8	99		80-120	%REC	1		5/31/2021 01:57
GASOLINE RANGE ORGANICS	ND		100	UG/L	1	51	5/31/2021 01:57
ION CHROMATOGRAPHY			EPA300.0		Prep Date: 5/19/2021		PrepBy: LMC
BROMIDE	ND		0.2	MG/L	1	0.064	5/19/2021 09:23
CHLORIDE	3		0.2	MG/L	1	0.076	5/19/2021 09:23
FLUORIDE	0.3		0.1	MG/L	1	0.039	5/19/2021 09:23
NITRATE/NITRITE AS N	0.5		0.15	MG/L	1		5/19/2021 09:23
NITRATE AS N	0.5		0.2	MG/L	1	0.092	5/19/2021 09:23
NITRITE AS N	ND		0.15	MG/L	1	0.069	5/19/2021 09:23
SULFATE	83		1	MG/L	1	0.53	5/19/2021 09:23
DISSOLVED METALS BY 200.8			EPA200.8		Prep Date: 5/26/2021		PrepBy: JML
BARIUM	0.036		0.001	MG/L	10	0.00049	5/26/2021 18:38
BORON	0.13		0.05	MG/L	10	0.026	5/26/2021 18:38
CALCIUM	33		1	MG/L	10	0.18	5/26/2021 18:38
IRON	ND		0.15	MG/L	10	0.071	5/26/2021 18:38
MAGNESIUM	29		0.1	MG/L	10	0.023	5/26/2021 18:38
MANGANESE	ND		0.004	MG/L	10	0.0021	5/26/2021 18:38

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SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
Project: Yater, Watson Ranch B, Watson Ranch
Sample ID: 264602
Legal Location:
Collection Date: 5/17/2021

Date: 14-Jun-21
Work Order: 2105365
Lab ID: 2105365-3
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
POTASSIUM	4.5		1	MG/L	10	0.2	5/26/2021 18:38
SELENIUM	0.0019		0.0015	MG/L	10	0.00067	5/26/2021 18:38
SODIUM	97		1	MG/L	10	0.13	5/26/2021 18:38
STRONTIUM	0.53		0.001	MG/L	10	0.00024	5/26/2021 18:38
PH			SM4500-H		Prep Date: 5/31/2021		PrepBy: BMK
PH	8.04		0.1	pH	1		5/31/2021
SPECIFIC CONDUCTANCE IN WATER			SM2510B		Prep Date: 5/21/2021		PrepBy: BMK
SPECIFIC CONDUCTIVITY	733		1	umhos/cm	1		5/21/2021
TOTAL DISSOLVED SOLIDS			SM2540C		Prep Date: 5/20/2021		PrepBy: BMK
TOTAL DISSOLVED SOLIDS	440		20	MG/L	1		5/20/2021
TOTAL PHOSPHORUS AS P			SM4500-P		Prep Date: 5/20/2021		PrepBy: LMC
TOTAL PHOSPHORUS	ND		0.05	MG/L	1	0.016	5/20/2021

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SAMPLE SUMMARY REPORT

Client: Western Water and Land, Inc.
Project: Yater, Watson Ranch B, Watson Ranch
Sample ID: Trip Blank
Legal Location:
Collection Date: 5/17/2021

Date: 14-Jun-21
Work Order: 2105365
Lab ID: 2105365-4
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
GC/MS VOLATILES			SW8260_25		Prep Date: 5/31/2021		PrepBy: AEW
BENZENE	ND		1	UG/L	1	0.3	5/31/2021 16:58
TOLUENE	ND		1	UG/L	1	0.34	5/31/2021 16:58
ETHYLBENZENE	ND		1	UG/L	1	0.33	5/31/2021 16:58
M+P-XYLENE	ND		1	UG/L	1	0.55	5/31/2021 16:58
O-XYLENE	ND		1	UG/L	1	0.34	5/31/2021 16:58
TOTAL XYLENES	ND		1	UG/L	1		5/31/2021 16:58
Surr: 4-BROMOFLUOROBENZENE	112		80-120	%REC	1		5/31/2021 16:58
Surr: DIBROMOFLUOROMETHANE	97		80-120	%REC	1		5/31/2021 16:58
Surr: TOLUENE-D8	99		80-120	%REC	1		5/31/2021 16:58
GASOLINE RANGE ORGANICS	ND		100	UG/L	1	51	5/31/2021 16:58

Client: Western Water and Land, Inc.
Project: Yater, Watson Ranch B, Watson Ranch
Sample ID: Trip Blank
Legal Location:
Collection Date: 5/17/2021

Date: 14-Jun-21
Work Order: 2105365
Lab ID: 2105365-4
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
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Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
- U or ND - Result is less than the sample specific MDC.
- Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
- Y2 - Chemical Yield outside default limits.
- W - DER is greater than Warning Limit of 1.42
- * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
- # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
- G - Sample density differs by more than 15% of LCS density.
- D - DER is greater than Control Limit
- M - Requested MDC not met.
- M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
- L - LCS Recovery below lower control limit.
- H - LCS Recovery above upper control limit.
- P - LCS, Matrix Spike Recovery within control limits.
- N - Matrix Spike Recovery outside control limits
- NC - Not Calculated for duplicate results less than 5 times MDC
- B - Analyte concentration greater than MDC.
- B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

- B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
- U or ND - Indicates that the compound was analyzed for but not detected.
- E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
- M - Duplicate injection precision was not met.
- N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
- Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
- * - Duplicate analysis (relative percent difference) not within control limits.
- S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

- U or ND - Indicates that the compound was analyzed for but not detected.
- B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E - Analyte concentration exceeds the upper level of the calibration range.
- J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A - A tentatively identified compound is a suspected aldol-condensation product.
- X - The analyte was diluted below an accurate quantitation level.
- * - The spike recovery is equal to or outside the control criteria used.
- + - The relative percent difference (RPD) equals or exceeds the control criteria.
- G - A pattern resembling gasoline was detected in this sample.
- D - A pattern resembling diesel was detected in this sample.
- M - A pattern resembling motor oil was detected in this sample.
- C - A pattern resembling crude oil was detected in this sample.
- 4 - A pattern resembling JP-4 was detected in this sample.
- 5 - A pattern resembling JP-5 was detected in this sample.
- H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

ALS -- Fort Collins

Date: 6/14/2021 1:52:

Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **HC210518-81-1** Instrument ID **FUELS-1** Method: **SW8015M**

LCS Sample ID: **HC210518-81** Units: **MG/L** Analysis Date: **5/20/2021 18:30**
 Client ID: Run ID: **HC210520-81A** Prep Date: **5/18/2021** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	6.07	1.07	8.33		73	53-120				20	
Surr: O-TERPHENYL	1.26		1.67		76	69-120					

LCSD Sample ID: **HC210518-81** Units: **MG/L** Analysis Date: **5/20/2021 18:51**
 Client ID: Run ID: **HC210520-81A** Prep Date: **5/18/2021** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	6.03	1.07	8.33		72	53-120		6.07	1	20	
Surr: O-TERPHENYL	1.29		1.67		77	69-120			2		

MB Sample ID: **HC210518-81** Units: **MG/L** Analysis Date: **5/20/2021 18:08**
 Client ID: Run ID: **HC210520-81A** Prep Date: **5/18/2021** DF: **1**

Analyte	Result	ReportLimit	MDL								
Diesel Range Organics	ND	1.1	0.54								
Surr: O-TERPHENYL	1.24			75	69-120						

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **HC210528-91-1** Instrument ID **MEE-1** Method: **RSK175**

DUP Sample ID: **2105365-3** Units: **UG/L** Analysis Date: **5/28/2021 16:54**
 Client ID: **264602** Run ID: **HC210528-91A** Prep Date: **5/28/2021** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
METHANE	ND	1						1		25	
ETHANE	ND	2						2		25	
PROPANE	ND	1						1		25	

LCS Sample ID: **HC210528-91** Units: **UG/L** Analysis Date: **5/28/2021 15:32**
 Client ID: Run ID: **HC210528-91A** Prep Date: **5/28/2021** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
METHANE	152	1	142		107	76-125				25	
ETHANE	291	2	267		109	70-120				25	
PROPANE	429	1	391		110	72-120				25	

LCSD Sample ID: **HC210528-91** Units: **UG/L** Analysis Date: **5/28/2021 17:15**
 Client ID: Run ID: **HC210528-91A** Prep Date: **5/28/2021** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
METHANE	152	1	142		107	76-125		152	1	25	
ETHANE	297	2	267		111	70-120		291	2	25	
PROPANE	441	1	391		113	72-120		429	3	25	

MB Sample ID: **HC210528-91** Units: **UG/L** Analysis Date: **5/28/2021 15:45**
 Client ID: Run ID: **HC210528-91A** Prep Date: **5/28/2021** DF: **1**

Analyte	Result	ReportLimit	MDL	Qual
METHANE	ND	1	1	
ETHANE	ND	2	2	
PROPANE	ND	1	1	

The following samples were analyzed in this batch: 2105365-1 2105365-2 2105365-3

Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **IP210526-4-4** Instrument ID **ICPMS2** Method: **EPA200.8**

LCS		Sample ID: IM210526-4			Units: MG/L		Analysis Date: 5/26/2021 17:38				
Client ID:		Run ID: IM210526-10A4			Prep Date: 5/26/2021		DF: 10				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BARIUM	0.0961	0.001	0.1		96	85-115				20	
BORON	1.03	0.05	1		103	85-115				20	
CALCIUM	10.4	1	10		104	85-115				20	
IRON	5.03	0.15	5		101	85-115				20	
MAGNESIUM	9.33	0.1	10		93	85-115				20	
MANGANESE	0.0916	0.004	0.1		92	85-115				20	
POTASSIUM	4.64	1	5		93	85-115				20	
SELENIUM	0.0962	0.0015	0.1		96	85-115				20	
SODIUM	10.3	1	10		103	85-115				20	
STRONTIUM	0.0942	0.001	0.1		94	85-115				20	

LCSD		Sample ID: IM210526-4			Units: MG/L		Analysis Date: 5/26/2021 17:44				
Client ID:		Run ID: IM210526-10A4			Prep Date: 5/26/2021		DF: 10				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BARIUM	0.102	0.001	0.1		102	85-115		0.0961	5	20	
BORON	1.04	0.05	1		104	85-115		1.03	1	20	
CALCIUM	9.76	1	10		98	85-115		10.4	6	20	
IRON	5.04	0.15	5		101	85-115		5.03	0	20	
MAGNESIUM	9.74	0.1	10		97	85-115		9.33	4	20	
MANGANESE	0.0936	0.004	0.1		94	85-115		0.0916	2	20	
POTASSIUM	4.92	1	5		98	85-115		4.64	6	20	
SELENIUM	0.0988	0.0015	0.1		99	85-115		0.0962	3	20	
SODIUM	10.3	1	10		103	85-115		10.3	0	20	
STRONTIUM	0.0934	0.001	0.1		93	85-115		0.0942	1	20	

Client: Western Water and Land, Inc.
Work Order: 2105365
Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **IP210526-4-4** Instrument ID **ICPMS2** Method: **EPA200.8**

MB Sample ID: **FP210521-4** Units: **MG/L** Analysis Date: **5/26/2021 17:32**
Client ID: Run ID: **IM210526-10A4** Prep Date: **5/26/2021** DF: **10**

Analyte	Result	ReportLimit	MDL	Qual
BARIUM	ND	0.001	0.00049	
BORON	ND	0.05	0.026	
CALCIUM	ND	1	0.18	
IRON	ND	0.15	0.071	
MAGNESIUM	ND	0.1	0.023	
MANGANESE	ND	0.004	0.0021	
POTASSIUM	ND	1	0.2	
SELENIUM	ND	0.0015	0.00067	
SODIUM	ND	1	0.13	
STRONTIUM	ND	0.001	0.00024	

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: VL210530-3-2 Instrument ID: HPV1 Method: SW8260_25

LCS		Sample ID: VL210530-3			Units: %REC		Analysis Date: 5/30/2021 20:51				
Client ID:		Run ID: VL210530-3A			Prep Date: 5/30/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Surr: 4-BROMOFLUOROBENZENE	28.8		25		115	80-120					
Surr: DIBROMOFLUOROMETHANE	23.5		25		94	80-120					
Surr: TOLUENE-D8	25.1		25		101	80-120					
BENZENE	9.63	1	10		96	80-120				20	
TOLUENE	9.17	1	10		92	80-120				20	
ETHYLBENZENE	9.21	1	10		92	80-120				20	
M+P-XYLENE	18	1	20		90	80-120				20	
O-XYLENE	9.05	1	10		91	80-120				20	

LCSD		Sample ID: VL210530-3			Units: %REC		Analysis Date: 5/30/2021 22:04				
Client ID:		Run ID: VL210530-3A			Prep Date: 5/30/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Surr: 4-BROMOFLUOROBENZENE	28.7		25		115	80-120			0		
Surr: DIBROMOFLUOROMETHANE	24.1		25		96	80-120			3		
Surr: TOLUENE-D8	24.9		25		100	80-120			1		
BENZENE	9.42	1	10		94	80-120		9.63	2	20	
TOLUENE	9.08	1	10		91	80-120		9.17	1	20	
ETHYLBENZENE	9.2	1	10		92	80-120		9.21	0	20	
M+P-XYLENE	18.1	1	20		90	80-120		18	1	20	
O-XYLENE	9.01	1	10		90	80-120		9.05	0	20	

MB		Sample ID: VL210530-3			Units: %REC		Analysis Date: 5/30/2021 21:40				
Client ID:		Run ID: VL210530-3A			Prep Date: 5/30/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								Qual
Surr: 4-BROMOFLUOROBENZENE	28.4				114	80-120					
Surr: DIBROMOFLUOROMETHANE	24.3				97	80-120					
Surr: TOLUENE-D8	24.9				100	80-120					
BENZENE	ND	1	0.3								
TOLUENE	ND	1	0.34								
ETHYLBENZENE	ND	1	0.33								
M+P-XYLENE	ND	1	0.55								
O-XYLENE	ND	1	0.34								
TOTAL XYLENES	ND	1									

The following samples were analyzed in this batch: 2105365-1 2105365-2 2105365-3

Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: VL210530-3-3 Instrument ID HPV1 Method: SW8260_25

LCS		Sample ID: VL210530-33			Units: UG/L		Analysis Date: 5/30/2021 22:27				
Client ID:		Run ID: VL210530-3A			Prep Date: 5/30/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	1130	100	1000		113	75-121				20	

LCSD		Sample ID: VL210530-33			Units: UG/L		Analysis Date: 5/30/2021 22:50				
Client ID:		Run ID: VL210530-3A			Prep Date: 5/30/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	1090	100	1000		109	75-121		1130	4	20	

MB		Sample ID: VL210530-3			Units: UG/L		Analysis Date: 5/30/2021 21:40				
Client ID:		Run ID: VL210530-3A			Prep Date: 5/30/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								
GASOLINE RANGE ORGANICS	ND	100	51								

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: VL210531-3A-1 Instrument ID: HPV1 Method: SW8260_25

LCS		Sample ID: VL210531-3A			Units: %REC		Analysis Date: 5/31/2021 13:57				
Client ID:		Run ID: VL210531-3AA			Prep Date: 5/31/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Surr: 4-BROMOFLUOROBENZENE	28.2		25		113	80-120					
Surr: DIBROMOFLUOROMETHANE	24		25		96	80-120					
Surr: TOLUENE-D8	24.7		25		99	80-120					
BENZENE	9.27	1	10		93	80-120				20	
TOLUENE	8.77	1	10		88	80-120				20	
ETHYLBENZENE	8.81	1	10		88	80-120				20	
M+P-XYLENE	17.3	1	20		86	80-120				20	
O-XYLENE	8.66	1	10		87	80-120				20	

LCSD		Sample ID: VL210531-3A			Units: %REC		Analysis Date: 5/31/2021 15:10				
Client ID:		Run ID: VL210531-3AA			Prep Date: 5/31/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Surr: 4-BROMOFLUOROBENZENE	28.3		25		113	80-120			0		
Surr: DIBROMOFLUOROMETHANE	24.7		25		99	80-120			3		
Surr: TOLUENE-D8	24.5		25		98	80-120			1		
BENZENE	8.87	1	10		89	80-120		9.27	4	20	
TOLUENE	8.33	1	10		83	80-120		8.77	5	20	
ETHYLBENZENE	8.49	1	10		85	80-120		8.81	4	20	
M+P-XYLENE	16.7	1	20		84	80-120		17.3	3	20	
O-XYLENE	8.29	1	10		83	80-120		8.66	4	20	

MB		Sample ID: VL210531-3A			Units: %REC		Analysis Date: 5/31/2021 14:46				
Client ID:		Run ID: VL210531-3AA			Prep Date: 5/31/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								Qual
Surr: 4-BROMOFLUOROBENZENE	28.3				113	80-120					
Surr: DIBROMOFLUOROMETHANE	24.5				98	80-120					
Surr: TOLUENE-D8	24.6				98	80-120					
BENZENE	ND	1	0.3								
TOLUENE	ND	1	0.34								
ETHYLBENZENE	ND	1	0.33								
M+P-XYLENE	ND	1	0.55								
O-XYLENE	ND	1	0.34								
TOTAL XYLENES	ND	1									

The following samples were analyzed in this batch:

Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: VL210531-3A-2 Instrument ID HPV1 Method: SW8260_25

LCS		Sample ID: VL210531-33A			Units: UG/L		Analysis Date: 5/31/2021 15:57				
Client ID:		Run ID: VL210531-3AA			Prep Date: 5/31/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	1070	100	1000		107	75-121				20	

LCSD		Sample ID: VL210531-33A			Units: UG/L		Analysis Date: 5/31/2021 16:35				
Client ID:		Run ID: VL210531-3AA			Prep Date: 5/31/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	1050	100	1000		105	75-121		1070	1	20	

MB		Sample ID: VL210531-3A			Units: UG/L		Analysis Date: 5/31/2021 14:46				
Client ID:		Run ID: VL210531-3AA			Prep Date: 5/31/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								
GASOLINE RANGE ORGANICS	ND	100	51								

The following samples were analyzed in this batch:

Client: Western Water and Land, Inc.
Work Order: 2105365
Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **AK210528-1-1** Instrument ID **NONE** Method: **SM2320B**

LCS Sample ID: **AK210528-1** Units: **MG/L** Analysis Date: **5/28/2021**
 Client ID: Run ID: **AK210528-1A1** Prep Date: **5/28/2021** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL ALKALINITY AS CaCO3	103	5	100		102	85-115				15	

MB Sample ID: **AK210528-1** Units: **MG/L** Analysis Date: **5/28/2021**
 Client ID: Run ID: **AK210528-1A1** Prep Date: **5/28/2021** DF: **1**

Analyte	Result	ReportLimit	MDL	Qual
BICARBONATE AS CaCO3	ND	5		
CARBONATE AS CaCO3	ND	5		
TOTAL ALKALINITY AS CaCO3	ND	5		

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **IC210519-1-2** Instrument ID **IC3** Method: **EPA300.0**

LCS		Sample ID: IC210519-1			Units: MG/L		Analysis Date: 5/19/2021 08:30				
Client ID:		Run ID: IC210519-1A2			Prep Date: 5/19/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BROMIDE	10	0.2	10		100	90-110				15	
CHLORIDE	10.2	0.2	10		102	90-110				15	
FLUORIDE	5.03	0.1	5		101	90-110				15	
NITRATE AS N	10.2	0.2	10		102	90-110				15	
NITRITE AS N	4.9	0.15	4.98		98	90-110				15	
SULFATE	49.7	1	50		99	90-110				15	

LCSD		Sample ID: IC210519-1			Units: MG/L		Analysis Date: 5/19/2021 11:09				
Client ID:		Run ID: IC210519-1A2			Prep Date: 5/19/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BROMIDE	9.27	0.2	10		93	90-110		10	8	15	
CHLORIDE	10.1	0.2	10		101	90-110		10.2	1	15	
FLUORIDE	5.1	0.1	5		102	90-110		5.03	1	15	
NITRATE AS N	10.2	0.2	10		102	90-110		10.2	0	15	
NITRITE AS N	4.89	0.15	4.98		98	90-110		4.9	0	15	
SULFATE	49.7	1	50		99	90-110		49.7	0	15	

MB		Sample ID: IC210519-1			Units: MG/L		Analysis Date: 5/19/2021 08:44				
Client ID:		Run ID: IC210519-1A2			Prep Date: 5/19/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								
BROMIDE	ND	0.2	0.064								
CHLORIDE	ND	0.2	0.076								
FLUORIDE	ND	0.1	0.039								
NITRATE AS N	ND	0.2	0.092								
NITRITE AS N	ND	0.15	0.069								
SULFATE	ND	1	0.53								

MS		Sample ID: 2105365-1			Units: MG/L		Analysis Date: 5/19/2021 09:10				
Client ID: GVHS 264602		Run ID: IC210519-1A2			Prep Date: 5/19/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BROMIDE	3.33	0.2	5	0.065	65	85-115				15	N
CHLORIDE	7.86	0.2	5	3	98	85-115				15	
FLUORIDE	2.2	0.1	2	0.3	95	85-115				15	
NITRATE AS N	5.28	0.2	5	0.5	96	85-115				15	
NITRITE AS N	2.04	0.15	1.99	0.15	102	85-115				15	
SULFATE	98.4	1	20	81	88	85-115				15	

Client: Western Water and Land, Inc.
Work Order: 2105365
Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **IC210519-1-2**

Instrument ID **IC3**

Method: **EPA300.0**

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
Work Order: 2105365
Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **pH210531-1-1** Instrument ID **pH-2** Method: **SM4500-H**

CCV	Sample ID: CCV1						Units: pH	Analysis Date: 5/31/2021				
Client ID:		Run ID: pH210531-1A1			Prep Date: 5/31/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
PH	7.01	0.1	7			6.9-7.1						

ICV	Sample ID: ICV						Units: pH	Analysis Date: 5/31/2021				
Client ID:		Run ID: pH210531-1A1			Prep Date: 5/31/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
PH	7.02	0.1	7			6.9-7.1						

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **SC210521-1-1** Instrument ID **pH-2** Method: **SM2510B**

CCV	Sample ID: CCV1					Units: umhos/cm	Analysis Date: 5/21/2021				
Client ID:		Run ID: SC210521-1A1					Prep Date: 5/21/2021		DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
SPECIFIC CONDUCTIVITY	1410	1	1410		100	90-110					

CCV	Sample ID: CCV2					Units: umhos/cm	Analysis Date: 5/21/2021				
Client ID:		Run ID: SC210521-1A1					Prep Date: 5/21/2021		DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
SPECIFIC CONDUCTIVITY	1410	1	1410		100	90-110					

ICV	Sample ID: ICV					Units: umhos/cm	Analysis Date: 5/21/2021				
Client ID:		Run ID: SC210521-1A1					Prep Date: 5/21/2021		DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
SPECIFIC CONDUCTIVITY	763	1	718		106	90-110					

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: **TD210520-1-1** Instrument ID **Balance** Method: **SM2540C**

LCS		Sample ID: TD210520-1			Units: MG/L		Analysis Date: 5/20/2021				
Client ID:		Run ID: TD210520-1A1			Prep Date: 5/20/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	401	20	400		100	85-115				14	

LCSD		Sample ID: TD210520-1			Units: MG/L		Analysis Date: 5/20/2021				
Client ID:		Run ID: TD210520-1A1			Prep Date: 5/20/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	374	20	400		93	85-115		401	7	14	

MB		Sample ID: TD210520-1			Units: MG/L		Analysis Date: 5/20/2021				
Client ID:		Run ID: TD210520-1A1			Prep Date: 5/20/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								
TOTAL DISSOLVED SOLIDS	ND	20									

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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Client: Western Water and Land, Inc.
 Work Order: 2105365
 Project: Yater, Watson Ranch B, Watson Ranch

QC BATCH REPORT

Batch ID: TP210520-1-1 Instrument ID Spec Method: SM4500-P

LCS		Sample ID: TP210520-1			Units: MG/L		Analysis Date: 5/20/2021				
Client ID:		Run ID: TP210520-1A2			Prep Date: 5/20/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL PHOSPHORUS	0.492	0.05	0.5		98	80-120				20	

LCSD		Sample ID: TP210520-1			Units: MG/L		Analysis Date: 5/20/2021				
Client ID:		Run ID: TP210520-1A2			Prep Date: 5/20/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL PHOSPHORUS	0.503	0.05	0.5		101	80-120		0.492	2	20	

MB		Sample ID: TP210520-1			Units: MG/L		Analysis Date: 5/20/2021				
Client ID:		Run ID: TP210520-1A2			Prep Date: 5/20/2021		DF: 1				
Analyte	Result	ReportLimit	MDL								
TOTAL PHOSPHORUS	ND	0.05	0.016								

The following samples were analyzed in this batch:

2105365-1	2105365-2	2105365-3
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