

Attachment F-5:

SANTA MARGARITA RIVER WMA 2016-2017 Receiving Water Quality Assurance/Quality Control Reports

- **Quality Assurance Summary for Dry Weather Receiving Water Chemistry Results 2016-2017**
- **Quality Assurance Summary for Wet Weather Receiving Water Chemistry Results 2016-2017**
- **Quality Assurance Summary for Post-Storm Pyrethroid Chemistry Results 2016-2017**

**QUALITY ASSURANCE SUMMARY FOR DRY WEATHER RECEIVING
WATER CHEMISTRY RESULTS 2016-2017**

Quality Assurance / Quality Control Results for Dry Weather Receiving Water Chemistry Results

The process of quality assurance (QA) / quality control (QC) has the following two components:

Quality Assurance—The system used to verify that the entire process is operating within acceptable limits.

Quality Control—The mechanisms established to measure non-conforming method performance.

Generally, analytical results were within corresponding project and/or laboratory QA/QC acceptance ranges and limits. A summary of QA procedures and QC findings, qualifications, and exceptions for the water chemistry results for the contaminants of concern are presented categorically by analyte group in the following sections. The laboratory batch identifications (ID) that are associated with each laboratory report number is provided in Table 1. The summary of QC samples analyzed per batch ID and lab by QC type is presented in Table 2.

Holding Times

All samples were analyzed within method recommended holding times.

Blanks

Laboratory contamination associated with sample processing was assessed through the analysis of procedural or method blanks on a minimum frequency of one per batch or matrix type. Procedural blanks were processed and handled identically to a sample including the addition of the same reagents, contact with the same type of vessels, and processed with the same procedure. All of the detected method blank results were below the reporting limits.

Field contamination associated with sample collection was evaluated using field blank samples. All parameters measured in field blanks were below the reporting limits.

Method Detection Limits (MDLs) / Reporting Limits (RLs)

Laboratory MDLs/RLs for the target analytes measured in the samples were acceptable for the assessment of project benchmarks.

Accuracy

A QC summary of the accuracy of the surrogate results is presented in Table 3 and the accuracy and precision results of matrix spikes (MS) are presented in Table 4.

All surrogate results for project samples met acceptability limits.

The MS for project samples met the accuracy and precision acceptability requirements for all constituents with the following exceptions:

- The following project sample for the specified analytes were qualified with a BS-L which indicates that the recovery of this analyte in the blank sample/laboratory control sample (LCS) was below the control limit. The sample result is suspect.
 - SMR-MLS-2 (May 31, 2017): Naled and demeton-o
- The following project sample for the specified analytes were qualified with an MS-05 which indicates that the percent recovery and/or RPD were outside the acceptance limits for the MS and/or matrix spike duplicate (MSD) due to possible matrix interference. The LCS and/or laboratory control duplicate (LCSD) were within acceptance limits showing that the laboratory is in control and the data is acceptable.
 - SMR-MLS-2 (May 31, 2017): Azinphos methyl (guthion), diazinon, dimethoate, ethyl parathion, methyl parathion, and stirophos

Precision

A QC summary of the precision of the lab duplicate results is presented in Table 5 and summary of the field duplicate results is presented in Table 6.

All the laboratory duplicate results for project samples met acceptability limits. The following sample and analytes were qualified with an R-03 indicating that the RPD is not applicable for these samples because the results were below the reporting limit (RL) (either as a non-detect or estimated concentration detected below the RL and above the method detection limit [MDL]):

- SMR-MLS-2-DUP (September 27, 2016): Dissolved antimony and dissolved chromium

The precision between the field duplicate pairs met the project criteria with the following exceptions:

- SLR-MLS-2 (September 26, 2016)
 - Enterococcus had an RPD of 91%
 - Total coliform had a RPD of 93%

Table 1. Summary of Batch Identifications and Associated Laboratory Report Numbers

Batch ID	Laboratory Report No.	Laboratory	Group	Method	Fraction
W6I1447	6I26029	Weck Laboratories, Inc	WET	SM 5210B	None
W6I1481	6I27082	Weck Laboratories, Inc	WET	SM 5540C	None
W6I1481	6I27084	Weck Laboratories, Inc	WET	SM 5540C	None
W6I1546	6I27082	Weck Laboratories, Inc	WET	EPA 353.2	None
W6I1546	6I27084	Weck Laboratories, Inc	WET	EPA 353.2	None
W6I1552	6I27082	Weck Laboratories, Inc	METALS	EPA 200.7	Total
W6I1552	6I27084	Weck Laboratories, Inc	METALS	EPA 200.7	Total
W6I1555	6I27082	Weck Laboratories, Inc	METALS	EPA 200.8	Total
W6I1555	6I27084	Weck Laboratories, Inc	METALS	EPA 200.8	Total
W6I1556	6I27082	Weck Laboratories, Inc	METALS	EPA 200.8	Dissolved
W6I1556	6I27084	Weck Laboratories, Inc	METALS	EPA 200.8	Dissolved
W6I1586	6I27082	Weck Laboratories, Inc	WET	SM 2540D	Total
W6I1586	6I27084	Weck Laboratories, Inc	WET	SM 2540D	Total
W6I1604	6I27082	Weck Laboratories, Inc	WET	SM 2540C	None
W6I1604	6I27084	Weck Laboratories, Inc	WET	SM 2540C	None
W6I1618	6I27082	Weck Laboratories, Inc	WET	EPA 351.2	Total
W6I1618	6I27084	Weck Laboratories, Inc	WET	EPA 351.2	Total

Table 1. Summary of Batch Identifications and Associated Laboratory Report Numbers

Batch ID	Laboratory Report No.	Laboratory	Group	Method	Fraction
W6I1641	6I27082	Weck Laboratories, Inc	WET	EPA 365.1	Dissolved
W6I1641	6I27084	Weck Laboratories, Inc	WET	EPA 365.1	Dissolved
W6I1642	6I27082	Weck Laboratories, Inc	WET	EPA 365.1	Total
W6I1642	6I27084	Weck Laboratories, Inc	WET	EPA 365.1	Total
W6I1674	6I27082	Weck Laboratories, Inc	OTHER	SM 5310C	None
W6I1674	6I27084	Weck Laboratories, Inc	OTHER	SM 5310C	None
W6I1690	6I27082	Weck Laboratories, Inc	WET	EPA 410.4	None
W6I1690	6I27084	Weck Laboratories, Inc	WET	EPA 410.4	None
W6J0004	6I27082	Weck Laboratories, Inc	SVOA	EPA 625M SI	None
W6J0004	6I27084	Weck Laboratories, Inc	SVOA	EPA 625M SI	None
W6J0013	6I27082	Weck Laboratories, Inc	OTHER	SM 5310C	None
W6J0013	6I27084	Weck Laboratories, Inc	OTHER	SM 5310C	None
W6J0028	6I26029	Weck Laboratories, Inc	OTHER	EPA 1664A	None
W6J0076	6I27082	Weck Laboratories, Inc	WET	EPA 350.1	Total
W6J0076	6I27084	Weck Laboratories, Inc	WET	EPA 350.1	Total
W7E1792	7E30098	Weck Laboratories, Inc	WET	SM 5210B	None
W7F0026	7F01006_SUPP1	Weck Laboratories, Inc	WET	EPA 353.2	None

Table 1. Summary of Batch Identifications and Associated Laboratory Report Numbers

Batch ID	Laboratory Report No.	Laboratory	Group	Method	Fraction
W7F0044	7F01006_SUPP1	Weck Laboratories, Inc	WET	SM 5540C	None
W7F0048	7E30098	Weck Laboratories, Inc	OTHER	EPA 1664B	None
W7F0050	7F01006_SUPP1	Weck Laboratories, Inc	METALS	EPA 200.7	Total
W7F0051	7F01006_SUPP1	Weck Laboratories, Inc	METALS	EPA 200.8	Total
W7F0052	7F01006_SUPP1	Weck Laboratories, Inc	METALS	EPA 200.8	Dissolved
W7F0064	7F01006_SUPP1	Weck Laboratories, Inc	WET	SM 2540C	None
W7F0113	7F01006_SUPP1	Weck Laboratories, Inc	SVOA	EPA 625M SI	None
W7F0120	7F01006_SUPP1	Weck Laboratories, Inc	WET	EPA 350.1	Total
W7F0181	7F01006_SUPP1	Weck Laboratories, Inc	WET	SM 2540D	Total
W7F0186	7F01006_SUPP1	Weck Laboratories, Inc	WET	EPA 351.2	Total
W7F0205	7F01006_SUPP1	Weck Laboratories, Inc	WET	EPA 410.4	None
W7F0284	7F01006_SUPP1	Weck Laboratories, Inc	WET	EPA 365.1	Dissolved
W7F0285	7F01006_SUPP1	Weck Laboratories, Inc	WET	EPA 365.1	Total
W7F0475	7F01006_SUPP1	Weck Laboratories, Inc	OTHER	SM 5310C	None
W7F0647	7F01006_SUPP1	Weck Laboratories, Inc	OTHER	SM 5310C	None

Table 2. Summary of Quality Control Samples Analyzed for 2016-2017 Dry Weather Receiving Water Chemistry Results

Batch ID	Laboratory	Group	Method	Fraction	Blank	Lab Duplicate	Lab Control Spike	Lab Control Spike Dup	Matrix Spike	Matrix Spike Dup
W6I1447	Weck Laboratories, Inc	WET	SM 5210B	None		1	1			
W6I1481	Weck Laboratories, Inc	WET	SM 5540C	None	1	1	1		1	1
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	None	1	1	1		2	2
W6I1552	Weck Laboratories, Inc	METALS	EPA 200.7	Total	1	1	1		1	1
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	Total	1	1	1		1	1
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	Dissolved	1	1	1		1	1
W6I1586	Weck Laboratories, Inc	WET	SM 2540D	Total	1	2	1			
W6I1604	Weck Laboratories, Inc	WET	SM 2540C	None	1	2	1			
W6I1618	Weck Laboratories, Inc	WET	EPA 351.2	Total	2	1	2		2	2
W6I1641	Weck Laboratories, Inc	WET	EPA 365.1	Dissolved	1	1	1		1	1
W6I1642	Weck Laboratories, Inc	WET	EPA 365.1	Total	1	1	1		1	1

Table 2. Summary of Quality Control Samples Analyzed for 2016-2017 Dry Weather Receiving Water Chemistry Results

Batch ID	Laboratory	Group	Method	Fraction	Blank	Lab Duplicate	Lab Control Spike	Lab Control Spike Dup	Matrix Spike	Matrix Spike Dup
W6I1674	Weck Laboratories, Inc	OTHER	SM 5310C	None	1	1	1		1	1
W6I1690	Weck Laboratories, Inc	WET	EPA 410.4	None	1	1	1		2	2
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	None	1		1		1	1
W6J0013	Weck Laboratories, Inc	OTHER	SM 5310C	None	1	1	1		1	1
W6J0028	Weck Laboratories, Inc	OTHER	EPA 1664A	None	1		2		1	1
W6J0076	Weck Laboratories, Inc	WET	EPA 350.1	Total	3	1	3		2	2
W7E1792	Weck Laboratories, Inc	WET	SM 5210B	None		1	1			
W7F0026	Weck Laboratories, Inc	WET	EPA 353.2	None	1	1	1		1	1
W7F0044	Weck Laboratories, Inc	WET	SM 5540C	None	1	1	1		1	1
W7F0048	Weck Laboratories, Inc	OTHER	EPA 1664B	None	1		2	1	1	1
W7F0050	Weck Laboratories, Inc	METALS	EPA 200.7	Total	1	1	1		1	1

Table 2. Summary of Quality Control Samples Analyzed for 2016-2017 Dry Weather Receiving Water Chemistry Results

Batch ID	Laboratory	Group	Method	Fraction	Blank	Lab Duplicate	Lab Control Spike	Lab Control Spike Dup	Matrix Spike	Matrix Spike Dup
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	Total	1	1	1		1	1
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	Dissolved	1	1	1		1	1
W7F0064	Weck Laboratories, Inc	WET	SM 2540C	None	1	2	1			
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	None	1		1		1	1
W7F0120	Weck Laboratories, Inc	WET	EPA 350.1	Total	2	1	2		2	2
W7F0181	Weck Laboratories, Inc	WET	SM 2540D	Total	1	2	1			
W7F0186	Weck Laboratories, Inc	WET	EPA 351.2	Total	1	1	1		1	1
W7F0205	Weck Laboratories, Inc	WET	EPA 410.4	None	1	1	1		1	1
W7F0284	Weck Laboratories, Inc	WET	EPA 365.1	Dissolved	1	1	1		1	1
W7F0285	Weck Laboratories, Inc	WET	EPA 365.1	Total	1	1	1		1	1
W7F0475	Weck Laboratories, Inc	OTHER	SM 5310C	None	1	1	1		1	1

Table 2. Summary of Quality Control Samples Analyzed for 2016-2017 Dry Weather Receiving Water Chemistry Results

Batch ID	Laboratory	Group	Method	Fraction	Blank	Lab Duplicate	Lab Control Spike	Lab Control Spike Dup	Matrix Spike	Matrix Spike Dup
W7F0647	Weck Laboratories, Inc	OTHER	SM 5310C	None	1	1	1		1	1

Table 3. Summary of Accuracy of Surrogates

Batch ID	Laboratory	Group	Method	Parameter	Fraction	Sample ID	Sample Date	Percent Recovery (%)	Surrogate Limits (%)	Accuracy Accept	Qualifier
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	1,3-Dimethyl-2-nitrobenzene	None	FB-092716	9/27/2016	92	50-150%	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	1,3-Dimethyl-2-nitrobenzene	None	SMR-MLS-2	9/27/2016	91	50-150%	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	1,3-Dimethyl-2-nitrobenzene	None	SMR-MLS-2-DUP	9/27/2016	93	50-150%	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	Triphenyl phosphate	None	FB-092716	9/27/2016	128	50-150%	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	Triphenyl phosphate	None	SMR-MLS-2	9/27/2016	121	50-150%	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	Triphenyl phosphate	None	SMR-MLS-2-DUP	9/27/2016	131	50-150%	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	1,3-Dimethyl-2-nitrobenzene	None	SMR-MLS-2	5/31/2017	106	50-150%	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	Triphenyl phosphate	None	SMR-MLS-2	5/31/2017	143	50-150%	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W6I1481	Weck Laboratories, Inc	WET	SM 5540C	SMR-MLS-2	9/27/2016	MBAS	None	101	100	74-123%	Pass	0.7	20	Pass	None
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	6I27092-02*		Nitrate as N	None	100	110	90-110%	Pass	3	20	Pass	None
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	6I27092-02*		Nitrite as N	None	89	92	90-110%	Fail	3	20	Pass	MS-01
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	SMR-MLS-2	9/27/2016	Nitrate as N	None	104	107	90-110%	Pass	2	20	Pass	None
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	SMR-MLS-2	9/27/2016	Nitrite as N	None	100	100	90-110%	Pass	0.5	20	Pass	None
W6I1552	Weck Laboratories, Inc	METALS	EPA 200.7	SMR-MLS-2	9/27/2016	Calcium, Total	Total	95	85	80-120%	Pass	3	25	Pass	None
W6I1552	Weck Laboratories, Inc	METALS	EPA 200.7	SMR-MLS-2	9/27/2016	Magnesium, Total	Total	102	96	80-120%	Pass	3	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Antimony, Total	Total	93	95	75-125%	Pass	2	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Arsenic, Total	Total	102	104	75-125%	Pass	2	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Cadmium, Total	Total	97	95	75-125%	Pass	2	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Chromium, Total	Total	99	100	75-125%	Pass	1	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Copper, Total	Total	96	97	75-125%	Pass	2	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Lead, Total	Total	95	98	75-125%	Pass	3	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Nickel, Total	Total	96	96	75-125%	Pass	0.5	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Selenium, Total	Total	96	94	75-125%	Pass	1	25	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Zinc, Total	Total	102	95	75-125%	Pass	7	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Antimony, Dissolved	Dissolved	96	94	75-125%	Pass	2	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Arsenic, Dissolved	Dissolved	98	98	75-125%	Pass	0.01	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Cadmium, Dissolved	Dissolved	88	89	75-125%	Pass	0.4	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Chromium, Dissolved	Dissolved	94	95	75-125%	Pass	0.5	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Copper, Dissolved	Dissolved	90	90	75-125%	Pass	0.1	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Lead, Dissolved	Dissolved	96	95	75-125%	Pass	0.2	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Nickel, Dissolved	Dissolved	90	90	75-125%	Pass	0.5	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Selenium, Dissolved	Dissolved	95	95	75-125%	Pass	0.6	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	9/27/2016	Zinc, Dissolved	Dissolved	90	90	75-125%	Pass	0.05	25	Pass	None
W6I1618	Weck Laboratories, Inc	WET	EPA 351.2	6I26061-05*		TKN	Total	102	101	90-110%	Pass	0.8	10	Pass	None
W6I1618	Weck Laboratories, Inc	WET	EPA 351.2	SMR-MLS-2	9/27/2016	TKN	Total	97	100	90-110%	Pass	3	10	Pass	None
W6I1641	Weck Laboratories, Inc	WET	EPA 365.1	SMR-MLS-2	9/27/2016	Phosphorus, Dissolved	Dissolved	108	107	90-110%	Pass	1	20	Pass	None
W6I1642	Weck Laboratories, Inc	WET	EPA 365.1	SMR-MLS-2	9/27/2016	Phosphorus as P, Total	Total	101	105	90-110%	Pass	3	20	Pass	None
W6I1674	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2	9/27/2016	Total Organic Carbon (TOC)	None	98	95	80-120%	Pass	2	25	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W6I1690	Weck Laboratories, Inc	WET	EPA 410.4	6I29053-02*		Chemical Oxygen Demand	None	103	106	90-110%	Pass	3	15	Pass	None
W6I1690	Weck Laboratories, Inc	WET	EPA 410.4	SMR-MLS-2	9/27/2016	Chemical Oxygen Demand	None	107	103	90-110%	Pass	3	15	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Azinphos methyl (Guthion)	None	82	78	50-150%	Pass	4	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Bolstar	None	117	104	50-150%	Pass	12	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Chlorpyrifos	None	135	130	50-150%	Pass	4	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Coumaphos	None	126	115	50-150%	Pass	9	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Demeton-o	None	106	92	50-150%	Pass	13	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Demeton-s	None	92	102	50-150%	Pass	10	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Diazinon	None	109	110	50-150%	Pass	0.7	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Dichlorvos	None	90	95	50-150%	Pass	5	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Dimethoate	None	94	112	50-150%	Pass	18	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Disulfoton	None	94	96	50-150%	Pass	3	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Ethoprop	None	116	118	50-150%	Pass	1	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Ethyl parathion	None	123	125	50-150%	Pass	1	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Fensulfothion	None	120	125	50-150%	Pass	3	25	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Fenthion	None	119	124	50-150%	Pass	4	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Malathion	None	134	135	50-150%	Pass	1	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Merphos	None	113	97	50-150%	Pass	15	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Methyl parathion	None	114	117	50-150%	Pass	3	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Mevinphos	None	92	105	50-150%	Pass	13	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Naled	None	52	54	50-150%	Pass	3	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Phorate	None	105	106	50-150%	Pass	1	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Ronnel	None	133	137	50-150%	Pass	2	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Stirophos	None	118	120	50-150%	Pass	2	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Tokuthion (Prothiofos)	None	93	80	50-150%	Pass	15	25	Pass	None
W6J0004	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	9/27/2016	Trichloronate	None	136	130	50-150%	Pass	5	25	Pass	None
W6J0013	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2	9/27/2016	Dissolved Organic Carbon	None	97	92	80-120%	Pass	3	25	Pass	None
W6J0028	Weck Laboratories, Inc	OTHER	EPA 1664A	SMR-MLS-2	9/26/2016	Oil & Grease (HEM)	None	89	92	80-120%	Pass	2	25	Pass	None
W6J0076	Weck Laboratories, Inc	WET	EPA 350.1	FB-092716	9/27/2016	Ammonia as N	Total	101	100	90-110%	Pass	2	15	Pass	None
W6J0076	Weck Laboratories, Inc	WET	EPA 350.1	SMR-MLS-2	9/27/2016	Ammonia as N	Total	102	100	90-110%	Pass	1	15	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W7F0026	Weck Laboratories, Inc	WET	EPA 353.2	SMR-MLS-2	5/31/2017	Nitrate as N	None	97	97	90-110%	Pass	0.05	20	Pass	None
W7F0026	Weck Laboratories, Inc	WET	EPA 353.2	SMR-MLS-2	5/31/2017	Nitrite as N	None	102	101	90-110%	Pass	0.6	20	Pass	None
W7F0044	Weck Laboratories, Inc	WET	SM 5540C	SMR-MLS-2	5/31/2017	MBAS	None	103	106	74-123%	Pass	2	20	Pass	None
W7F0048	Weck Laboratories, Inc	OTHER	EPA 1664B	SMR-MLS-2	5/30/2017	Oil & Grease (HEM)	None	83	86	80-120%	Pass	1	25	Pass	None
W7F0050	Weck Laboratories, Inc	METALS	EPA 200.7	SMR-MLS-2	5/31/2017	Calcium, Total	Total	100	101	80-120%	Pass	0.2	25	Pass	None
W7F0050	Weck Laboratories, Inc	METALS	EPA 200.7	SMR-MLS-2	5/31/2017	Magnesium, Total	Total	105	105	80-120%	Pass	0.4	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Antimony, Total	Total	99	105	75-125%	Pass	6	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Arsenic, Total	Total	101	96	75-125%	Pass	4	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Cadmium, Total	Total	97	92	75-125%	Pass	5	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Chromium, Total	Total	97	93	75-125%	Pass	5	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Copper, Total	Total	94	89	75-125%	Pass	5	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Lead, Total	Total	98	103	75-125%	Pass	5	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Nickel, Total	Total	93	88	75-125%	Pass	5	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Selenium, Total	Total	98	95	75-125%	Pass	3	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Zinc, Total	Total	94	88	75-125%	Pass	6	25	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Antimony, Dissolved	Dissolved	102	103	75-125%	Pass	0.2	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Arsenic, Dissolved	Dissolved	101	101	75-125%	Pass	0.02	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Cadmium, Dissolved	Dissolved	98	96	75-125%	Pass	1	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Chromium, Dissolved	Dissolved	98	100	75-125%	Pass	1	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Copper, Dissolved	Dissolved	95	94	75-125%	Pass	0.4	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Lead, Dissolved	Dissolved	102	102	75-125%	Pass	0.2	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Nickel, Dissolved	Dissolved	94	94	75-125%	Pass	0.6	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Selenium, Dissolved	Dissolved	98	98	75-125%	Pass	0.09	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2	5/31/2017	Zinc, Dissolved	Dissolved	92	94	75-125%	Pass	1	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Azinphos methyl (Guthion)	None	156	163	50-150%	Fail	4	25	Pass	MS-05
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Bolstar	None	93	111	50-150%	Pass	18	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Chlorpyrifos	None	126	132	50-150%	Pass	5	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Coumaphos	None	141	150	50-150%	Pass	6	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Demeton-o	None	85	37	50-150%	Fail	78	25	Fail	BS-L
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Demeton-s	None	111	113	50-150%	Pass	1	25	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Diazinon	None	103	78	50-150%	Pass	27	25	Fail	MS-05
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Dichlorvos	None	142	137	50-150%	Pass	4	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Dimethoate	None	137	153	50-150%	Fail	12	25	Pass	MS-05
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Disulfoton	None	86	84	50-150%	Pass	3	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Ethoprop	None	101	101	50-150%	Pass	0.1	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Ethyl parathion	None	157	159	50-150%	Fail	1	25	Pass	MS-05
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Fensulfothion	None	122	143	50-150%	Pass	16	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Fenthion	None	105	110	50-150%	Pass	5	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Malathion	None	130	130	50-150%	Pass	0.3	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Merphos	None	113	132	50-150%	Pass	16	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Methyl parathion	None	164	164	50-150%	Fail	0.2	25	Pass	MS-05
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Mevinphos	None	108	122	50-150%	Pass	12	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Naled	None	34	30	50-150%	Fail	12	25	Pass	BS-L
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Phorate	None	127	124	50-150%	Pass	2	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Ronnel	None	129	130	50-150%	Pass	1	25	Pass	None

Table 4. Summary of Accuracy and Precision of Matrix Spike and/or Matrix Spike Duplicate

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	MS (% Recovery)	MSD (% Recovery)	Accuracy Limit (%)	Accuracy Accept	RPD**	Precision Limit (%)	Precision Accept	Qualifier
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Stirophos	None	159	163	50-150%	Fail	2	25	Pass	MS-05
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Tokuthion (Prothiofos)	None	99	113	50-150%	Pass	13	25	Pass	None
W7F0113	Weck Laboratories, Inc	SVOA	EPA 625M SI	SMR-MLS-2	5/31/2017	Trichloronate	None	123	133	50-150%	Pass	8	25	Pass	None
W7F0120	Weck Laboratories, Inc	WET	EPA 350.1	7E31052-01*		Ammonia as N	Total	101	101	90-110%	Pass	0.01	15	Pass	None
W7F0120	Weck Laboratories, Inc	WET	EPA 350.1	SMR-MLS-2	5/31/2017	Ammonia as N	Total	102	101	90-110%	Pass	1	15	Pass	None
W7F0186	Weck Laboratories, Inc	WET	EPA 351.2	SMR-MLS-2	5/31/2017	TKN	Total	101	108	90-110%	Pass	5	10	Pass	None
W7F0205	Weck Laboratories, Inc	WET	EPA 410.4	SMR-MLS-2	5/31/2017	Chemical Oxygen Demand	None	103	99	90-110%	Pass	4	15	Pass	None
W7F0284	Weck Laboratories, Inc	WET	EPA 365.1	SMR-MLS-2	5/31/2017	Phosphorus, Dissolved	Dissolved	105	105	90-110%	Pass	0.4	20	Pass	None
W7F0285	Weck Laboratories, Inc	WET	EPA 365.1	SMR-MLS-2	5/31/2017	Phosphorus as P, Total	Total	101	100	90-110%	Pass	0.4	20	Pass	None
W7F0475	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2	5/31/2017	Total Organic Carbon (TOC)	None	103	103	80-120%	Pass	0.6	25	Pass	None
W7F0647	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2	5/31/2017	Dissolved Organic Carbon	None	102	106	80-120%	Pass	3	25	Pass	None

* Indicates the QC was assessed using a non project related sample.

** RPD - relative percent difference. Laboratory calculated value.

Glossary of Weck Laboratory Flags

BS-L - The recovery of this analyte in the BS/LCS was below the control limit. Sample result is suspect.

MS-01 - The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.

MS-05 - The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Table 5. Summary of Laboratory Duplicates

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	Original Result	Original Units	Lab Dup Result	Lab Dup Units	RPD**	Precision Limit (%)	Precision Accept	Lab Dup Qualifier
W6I1447	Weck Laboratories, Inc	WET	SM 5210B	SMR-MLS-2	9/26/2016	Biochemical Oxygen Demand	None	ND	mg/L	ND	mg/L	NR	25	Pass	None
W6I1481	Weck Laboratories, Inc	WET	SM 5540C	SMR-MLS-2-DUP	9/27/2016	MBAS	None	0.0234	mg/L	0.0237	mg/L	1	20	Pass	J
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	FB-092716	9/27/2016	Nitrate as N	None	ND	mg/L	ND	mg/L	NR	20	Pass	None
W6I1546	Weck Laboratories, Inc	WET	EPA 353.2	FB-092716	9/27/2016	Nitrite as N	None	0.016	mg/L	0.018	mg/L	12	20	Pass	J
W6I1552	Weck Laboratories, Inc	METALS	EPA 200.7	FB-092716	9/27/2016	Calcium, Total	Total	0.0481	mg/L	0.0573	mg/L	17	25	Pass	J
W6I1552	Weck Laboratories, Inc	METALS	EPA 200.7	FB-092716	9/27/2016	Magnesium, Total	Total	ND	mg/L	ND	mg/L	NR	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Antimony, Total	Total	0.000102	mg/L	0.000118	mg/L	14	25	Pass	J
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Arsenic, Total	Total	0.0013	mg/L	0.00117	mg/L	10	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Cadmium, Total	Total	ND	mg/L	ND	mg/L	NR	25	Pass	None
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Chromium, Total	Total	0.0000859	mg/L	0.0000719	mg/L	18	25	Pass	J
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Copper, Total	Total	0.000469	mg/L	0.000423	mg/L	10	25	Pass	J
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Lead, Total	Total	0.0000756	mg/L	0.0000844	mg/L	11	25	Pass	J
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Nickel, Total	Total	0.000616	mg/L	0.000575	mg/L	7	25	Pass	J
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Selenium, Total	Total	0.000297	mg/L	0.000291	mg/L	2	25	Pass	J
W6I1555	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Zinc, Total	Total	ND	mg/L	ND	mg/L	NR	25	Pass	None

Table 5. Summary of Laboratory Duplicates

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	Original Result	Original Units	Lab Dup Result	Lab Dup Units	RPD**	Precision Limit (%)	Precision Accept	Lab Dup Qualifier
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Antimony, Dissolved	Dissolved	0.0000912	mg/L	0.000129	mg/L	35	25	Fail	J, R-03
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Arsenic, Dissolved	Dissolved	0.00108	mg/L	0.00109	mg/L	0.6	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Cadmium, Dissolved	Dissolved	ND	mg/L	ND	mg/L	NR	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Chromium, Dissolved	Dissolved	0.000038	mg/L	0.0000602	mg/L	45	25	Fail	J, R-03
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Copper, Dissolved	Dissolved	0.000383	mg/L	0.000428	mg/L	11	25	Pass	J
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Lead, Dissolved	Dissolved	ND	mg/L	ND	mg/L	NR	25	Pass	None
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Nickel, Dissolved	Dissolved	0.00057	mg/L	0.000548	mg/L	4	25	Pass	J
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Selenium, Dissolved	Dissolved	0.000367	mg/L	0.000324	mg/L	12	25	Pass	J
W6I1556	Weck Laboratories, Inc	METALS	EPA 200.8	SMR-MLS-2-DUP	9/27/2016	Zinc, Dissolved	Dissolved	0.00143	mg/L	0.00113	mg/L	23	25	Pass	J
W6I1586	Weck Laboratories, Inc	WET	SM 2540D	FB-092716	9/27/2016	Total Suspended Solids	Total	ND	mg/L	ND	mg/L	NR	20	Pass	None
W6I1586	Weck Laboratories, Inc	WET	SM 2540D	SMR-MLS-2	9/27/2016	Total Suspended Solids	Total	1	mg/L	1	mg/L	0	20	Pass	None
W6I1604	Weck Laboratories, Inc	WET	SM 2540C	6I28008-01*		Total Dissolved Solids	None	3170	mg/L	3210	mg/L	1	10	Pass	None
W6I1604	Weck Laboratories, Inc	WET	SM 2540C	SMR-MLS-2	9/27/2016	Total Dissolved Solids	None	870	mg/L	894	mg/L	3	10	Pass	None
W6I1618	Weck Laboratories, Inc	WET	EPA 351.2	FB-092716	9/27/2016	TKN	Total	ND	mg/L	ND	mg/L	NR	10	Pass	None
W6I1641	Weck Laboratories, Inc	WET	EPA 365.1	FB-092716	9/27/2016	Phosphorus, Dissolved	Dissolved	ND	mg/L	ND	mg/L	NR	20	Pass	None

Table 5. Summary of Laboratory Duplicates

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	Original Result	Original Units	Lab Dup Result	Lab Dup Units	RPD**	Precision Limit (%)	Prescision Accept	Lab Dup Qualifier
W6I1642	Weck Laboratories, Inc	WET	EPA 365.1	FB-092716	9/27/2016	Phosphorus as P, Total	Total	ND	mg/L	ND	mg/L	NR	20	Pass	None
W6I1674	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2-DUP	9/27/2016	Total Organic Carbon (TOC)	None	3.01	mg/L	2.95	mg/L	2	25	Pass	None
W6I1690	Weck Laboratories, Inc	WET	EPA 410.4	FB-092716	9/27/2016	Chemical Oxygen Demand	None	3.95	mg/L	4.03	mg/L	2	15	Pass	J
W6J0013	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2-DUP	9/27/2016	Dissolved Organic Carbon	None	3.38	mg/L	3.14	mg/L	7	25	Pass	None
W6J0076	Weck Laboratories, Inc	WET	EPA 350.1	SMR-MLS-2-DUP	9/27/2016	Ammonia as N	Total	ND	mg/L	ND	mg/L	NR	15	Pass	None
W7E1792	Weck Laboratories, Inc	WET	SM 5210B	SMR-MLS-2	5/30/2017	Biochemical Oxygen Demand	None	ND	mg/L	ND	mg/L	NR	25	Pass	None
W7F0026	Weck Laboratories, Inc	WET	EPA 353.2	SMR-MLS-2	5/31/2017	Nitrate as N	None	1.73	mg/L	1.77	mg/L	2	20	Pass	None
W7F0026	Weck Laboratories, Inc	WET	EPA 353.2	SMR-MLS-2	5/31/2017	Nitrite as N	None	0.027	mg/L	0.027	mg/L	0	20	Pass	J
W7F0044	Weck Laboratories, Inc	WET	SM 5540C	SMR-MLS-2	5/31/2017	MBAS	None	0.0262	mg/L	0.0273	mg/L	4	20	Pass	J
W7F0050	Weck Laboratories, Inc	METALS	EPA 200.7	SMR-MLS-2	5/31/2017	Calcium, Total	Total	100	mg/L	101	mg/L	0.6	25	Pass	None
W7F0050	Weck Laboratories, Inc	METALS	EPA 200.7	SMR-MLS-2	5/31/2017	Magnesium, Total	Total	46.2	mg/L	46.6	mg/L	0.8	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Antimony, Total	Total	0.000119	mg/L	0.000121	mg/L	0.9	25	Pass	J
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Arsenic, Total	Total	0.00182	mg/L	0.00174	mg/L	4	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Cadmium, Total	Total	ND	mg/L	ND	mg/L	NR	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Chromium, Total	Total	0.000273	mg/L	0.000251	mg/L	8	25	Pass	None

Table 5. Summary of Laboratory Duplicates

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	Original Result	Original Units	Lab Dup Result	Lab Dup Units	RPD**	Precision Limit (%)	Precision Accept	Lab Dup Qualifier
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Copper, Total	Total	0.00119	mg/L	0.00118	mg/L	1	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Lead, Total	Total	0.0000879	mg/L	0.0000814	mg/L	8	25	Pass	J
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Nickel, Total	Total	0.00151	mg/L	0.00159	mg/L	5	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Selenium, Total	Total	0.000633	mg/L	0.000614	mg/L	3	25	Pass	None
W7F0051	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Zinc, Total	Total	0.00124	mg/L	0.00136	mg/L	9	25	Pass	J
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Antimony, Dissolved	Dissolved	0.00014	mg/L	0.000126	mg/L	11	25	Pass	J
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Arsenic, Dissolved	Dissolved	0.00149	mg/L	0.00163	mg/L	9	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Cadmium, Dissolved	Dissolved	ND	mg/L	ND	mg/L	NR	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Chromium, Dissolved	Dissolved	0.0000914	mg/L	0.0000807	mg/L	12	25	Pass	J
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Copper, Dissolved	Dissolved	0.00091	mg/L	0.000955	mg/L	5	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Lead, Dissolved	Dissolved	ND	mg/L	ND	mg/L	NR	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Nickel, Dissolved	Dissolved	0.00148	mg/L	0.00141	mg/L	5	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Selenium, Dissolved	Dissolved	0.000517	mg/L	0.000602	mg/L	15	25	Pass	None
W7F0052	Weck Laboratories, Inc	METALS	EPA 200.8	7F01005-01*		Zinc, Dissolved	Dissolved	0.00132	mg/L	0.00139	mg/L	6	25	Pass	J
W7F0064	Weck Laboratories, Inc	WET	SM 2540C	7F01044-01*		Total Dissolved Solids	None	1900	mg/L	1900	mg/L	0.3	10	Pass	None

Table 5. Summary of Laboratory Duplicates

Batch ID	Laboratory	Group	Method	Sample ID	Sample Date	Parameter	Fraction	Original Result	Original Units	Lab Dup Result	Lab Dup Units	RPD**	Precision Limit (%)	Precision Accept	Lab Dup Qualifier
W7F0064	Weck Laboratories, Inc	WET	SM 2540C	SMR-MLS-2	5/31/2017	Total Dissolved Solids	None	862	mg/L	821	mg/L	5	10	Pass	None
W7F0120	Weck Laboratories, Inc	WET	EPA 350.1	7F01005-01*		Ammonia as N	Total	ND	mg/L	ND	mg/L	NR	15	Pass	None
W7F0181	Weck Laboratories, Inc	WET	SM 2540D	7E31038-02*		Total Suspended Solids	Total	1	mg/L	1	mg/L	0	20	Pass	None
W7F0181	Weck Laboratories, Inc	WET	SM 2540D	SMR-MLS-2	5/31/2017	Total Suspended Solids	Total	6	mg/L	6	mg/L	0	20	Pass	None
W7F0186	Weck Laboratories, Inc	WET	EPA 351.2	7F01005-01*		TKN	Total	0.641	mg/L	0.673	mg/L	5	10	Pass	None
W7F0205	Weck Laboratories, Inc	WET	EPA 410.4	7F02074-01*		Chemical Oxygen Demand	None	941	mg/L	893	mg/L	5	15	Pass	None
W7F0284	Weck Laboratories, Inc	WET	EPA 365.1	SMR-MLS-2	5/31/2017	Phosphorus, Dissolved	Dissolved	0.0189	mg/L	0.0187	mg/L	1	20	Pass	None
W7F0285	Weck Laboratories, Inc	WET	EPA 365.1	SMR-MLS-2	5/31/2017	Phosphorus as P, Total	Total	0.024	mg/L	0.0228	mg/L	5	20	Pass	None
W7F0475	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2	5/31/2017	Total Organic Carbon (TOC)	None	4.13	mg/L	4.19	mg/L	1	25	Pass	None
W7F0647	Weck Laboratories, Inc	OTHER	SM 5310C	SMR-MLS-2	5/31/2017	Dissolved Organic Carbon	None	4.33	mg/L	4.32	mg/L	0.1	25	Pass	None

* Indicates the QC was assessed using a non project related sample.

** RPD - relative percent difference. Laboratory calculated value.

ND - Not detected

NR - Not reported

Glossary of Weck Laboratory Flags

J - Estimated concentration. Detected below the reporting limit and above the method detection limit.

R-03-The RPD is not applicable for result below the reporting limit (either ND or J value).

Table 6. Summary of Field Duplicates

Laboratory	Group	Method	Parameter	Fraction	Sample ID	Sample Date	Original Result	Original Units	Field Dup Sample ID	Field Dup Results	Field Dup Units	RPD *	Precision Limit (%)	Precision Accept
Weck Laboratories, Inc	WET	SM 5210B	Biochemical Oxygen Demand	None	SMR-MLS-2	9/26/2016	ND	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass
Weck Laboratories, Inc	WET	SM 5540C	MBAS	None	SMR-MLS-2	9/27/2016	0.024J	mg/L	SMR-MLS-2-DUP	0.023J	mg/L	NC	25	Pass
Weck Laboratories, Inc	WET	EPA 353.2	Nitrate as N	None	SMR-MLS-2	9/27/2016	ND	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass
Weck Laboratories, Inc	WET	EPA 353.2	Nitrite as N	None	SMR-MLS-2	9/27/2016	0.016J	mg/L	SMR-MLS-2-DUP	0.015J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.7	Calcium, Total	Total	SMR-MLS-2	9/27/2016	95.9	mg/L	SMR-MLS-2-DUP	96.1	mg/L	0.21	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.7	Magnesium, Total	Total	SMR-MLS-2	9/27/2016	44.4	mg/L	SMR-MLS-2-DUP	44.5	mg/L	0.22	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Antimony, Total	Total	SMR-MLS-2	9/27/2016	0.00011J	mg/L	SMR-MLS-2-DUP	0.00010J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Arsenic, Total	Total	SMR-MLS-2	9/27/2016	0.0012	mg/L	SMR-MLS-2-DUP	0.0013	mg/L	8	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Cadmium, Total	Total	SMR-MLS-2	9/27/2016	ND	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Chromium, Total	Total	SMR-MLS-2	9/27/2016	0.000073J	mg/L	SMR-MLS-2-DUP	0.000086J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Copper, Total	Total	SMR-MLS-2	9/27/2016	0.00044J	mg/L	SMR-MLS-2-DUP	0.00047J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Lead, Total	Total	SMR-MLS-2	9/27/2016	0.000088J	mg/L	SMR-MLS-2-DUP	0.000076J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Nickel, Total	Total	SMR-MLS-2	9/27/2016	0.00057J	mg/L	SMR-MLS-2-DUP	0.00062J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Selenium, Total	Total	SMR-MLS-2	9/27/2016	0.00034J	mg/L	SMR-MLS-2-DUP	0.00030J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Zinc, Total	Total	SMR-MLS-2	9/27/2016	0.0010J	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass

Table 6. Summary of Field Duplicates

Laboratory	Group	Method	Parameter	Fraction	Sample ID	Sample Date	Original Result	Original Units	Field Dup Sample ID	Field Dup Results	Field Dup Units	RPD *	Precision Limit (%)	Precision Accept
Weck Laboratories, Inc	METALS	EPA 200.8	Antimony, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.000087J	mg/L	SMR-MLS-2-DUP	0.000091J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Arsenic, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.0011	mg/L	SMR-MLS-2-DUP	0.0011	mg/L	0	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Cadmium, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	ND	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Chromium, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.000050J	mg/L	SMR-MLS-2-DUP	0.000038J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Copper, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.00041J	mg/L	SMR-MLS-2-DUP	0.00038J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Lead, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.000033J	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Nickel, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.00057J	mg/L	SMR-MLS-2-DUP	0.00057J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Selenium, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.00029J	mg/L	SMR-MLS-2-DUP	0.00037J	mg/L	NC	25	Pass
Weck Laboratories, Inc	METALS	EPA 200.8	Zinc, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.0014J	mg/L	SMR-MLS-2-DUP	0.0014J	mg/L	NC	25	Pass
Weck Laboratories, Inc	WET	SM 2540D	Total Suspended Solids	Total	SMR-MLS-2	9/27/2016	1	mg/L	SMR-MLS-2-DUP	1	mg/L	0	25	Pass
Weck Laboratories, Inc	WET	SM 2540C	Total Dissolved Solids	None	SMR-MLS-2	9/27/2016	870	mg/L	SMR-MLS-2-DUP	870	mg/L	0	25	Pass
Weck Laboratories, Inc	WET	EPA 351.2	TKN	Total	SMR-MLS-2	9/27/2016	0.2	mg/L	SMR-MLS-2-DUP	0.18	mg/L	10.53	25	Pass
Weck Laboratories, Inc	WET	EPA 365.1	Phosphorus, Dissolved	Dissolved	SMR-MLS-2	9/27/2016	0.014	mg/L	SMR-MLS-2-DUP	0.014	mg/L	0	25	Pass
Weck Laboratories, Inc	WET	EPA 365.1	Phosphorus as P, Total	Total	SMR-MLS-2	9/27/2016	0.024	mg/L	SMR-MLS-2-DUP	0.021	mg/L	13.33	25	Pass
Weck Laboratories, Inc	OTHER	SM 5310C	Total Organic Carbon (TOC)	None	SMR-MLS-2	9/27/2016	2.9	mg/L	SMR-MLS-2-DUP	3	mg/L	3.39	25	Pass

Table 6. Summary of Field Duplicates

Laboratory	Group	Method	Parameter	Fraction	Sample ID	Sample Date	Original Result	Original Units	Field Dup Sample ID	Field Dup Results	Field Dup Units	RPD *	Precision Limit (%)	Precision Accept
Weck Laboratories, Inc	WET	EPA 410.4	Chemical Oxygen Demand	None	SMR-MLS-2	9/27/2016	17	mg/L	SMR-MLS-2-DUP	15	mg/L	12.5	25	Pass
Weck Laboratories, Inc	Microbiology	SM 9221B/E	Fecal Coliform	None	SMR-MLS-2	9/26/2016	ND	MPN/100ml	SMR-MLS-2-DUP	40	MPN/100ml	NC	25	Pass
Weck Laboratories, Inc	Microbiology	SM 9221B/E	Total Coliform	None	SMR-MLS-2	9/26/2016	300	MPN/100ml	SMR-MLS-2-DUP	800	MPN/100ml	90.91	25	Fail
Weck Laboratories, Inc	Microbiology	SM 9230B	Enterococcus	None	SMR-MLS-2	9/26/2016	40	MPN/100ml	SMR-MLS-2-DUP	110	MPN/100ml	93.33	25	Fail
Weck Laboratories, Inc	SVOA	EPA 625M SI	Azinphos methyl (Guthion)	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Bolstar	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Chlorpyrifos	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Coumaphos	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Demeton-o	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Demeton-s	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Diazinon	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Dichlorvos	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Dimethoate	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Disulfoton	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Ethoprop	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass

Table 6. Summary of Field Duplicates

Laboratory	Group	Method	Parameter	Fraction	Sample ID	Sample Date	Original Result	Original Units	Field Dup Sample ID	Field Dup Results	Field Dup Units	RPD *	Precision Limit (%)	Precision Accept
Weck Laboratories, Inc	SVOA	EPA 625M SI	Ethyl parathion	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Fensulfothion	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Fenthion	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Malathion	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Merphos	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Methyl parathion	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Mevinphos	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Naled	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Phorate	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Ronnel	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Stirophos	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Tokuthion (Prothiofos)	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	SVOA	EPA 625M SI	Trichloronate	None	SMR-MLS-2	9/27/2016	ND	ug/L	SMR-MLS-2-DUP	ND	ug/L	NC	25	Pass
Weck Laboratories, Inc	OTHER	SM 5310C	Dissolved Organic Carbon	None	SMR-MLS-2	9/27/2016	3	mg/L	SMR-MLS-2-DUP	3.4	mg/L	12.5	25	Pass
Weck Laboratories, Inc	OTHER	EPA 1664A	Oil & Grease (HEM)	None	SMR-MLS-2	9/26/2016	ND	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass

Table 6. Summary of Field Duplicates

Laboratory	Group	Method	Parameter	Fraction	Sample ID	Sample Date	Original Result	Original Units	Field Dup Sample ID	Field Dup Results	Field Dup Units	RPD *	Precision Limit (%)	Precision Accept
Weck Laboratories, Inc	WET	EPA 350.1	Ammonia as N	Total	SMR-MLS-2	9/27/2016	ND	mg/L	SMR-MLS-2-DUP	ND	mg/L	NC	25	Pass
Weck Laboratories, Inc	[CALC]	SM 2340B	Hardness as CaCO3, Total	Total	SMR-MLS-2	9/27/2016	422	mg/L	SMR-MLS-2-DUP	423	mg/L	0.24	25	Pass

* RPD calculated using the original result and field result reported from the laboratory
 NC - Not calculated.
 ND - Not detected.

Glossary of Weck Laboratory Flags

J - Estimated concentration. Detected below the reporting limit and above the method detection limit.