

Hit Summary Sheet
SW-846

SDG No.: Q2150

Order ID: Q2150

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-44								
Q2150-01	TP-44	SOIL	Aluminum	4350		1.01	6.04	mg/Kg
Q2150-01	TP-44	SOIL	Arsenic	4.63		0.23	1.21	mg/Kg
Q2150-01	TP-44	SOIL	Barium	32.2		0.88	6.04	mg/Kg
Q2150-01	TP-44	SOIL	Beryllium	0.53		0.030	0.36	mg/Kg
Q2150-01	TP-44	SOIL	Calcium	1480		13.4	121	mg/Kg
Q2150-01	TP-44	SOIL	Chromium	11.2		0.057	0.60	mg/Kg
Q2150-01	TP-44	SOIL	Cobalt	3.58		0.12	1.81	mg/Kg
Q2150-01	TP-44	SOIL	Copper	24.8		0.27	1.21	mg/Kg
Q2150-01	TP-44	SOIL	Iron	28600		4.82	6.04	mg/Kg
Q2150-01	TP-44	SOIL	Lead	32.0		0.16	0.72	mg/Kg
Q2150-01	TP-44	SOIL	Magnesium	648		14.5	121	mg/Kg
Q2150-01	TP-44	SOIL	Manganese	126		0.17	1.21	mg/Kg
Q2150-01	TP-44	SOIL	Mercury	0.030		0.0090	0.015	mg/Kg
Q2150-01	TP-44	SOIL	Nickel	5.14		0.16	2.41	mg/Kg
Q2150-01	TP-44	SOIL	Potassium	348		33.4	121	mg/Kg
Q2150-01	TP-44	SOIL	Silver	0.31	J	0.14	0.60	mg/Kg
Q2150-01	TP-44	SOIL	Sodium	194		21.5	121	mg/Kg
Q2150-01	TP-44	SOIL	Vanadium	21.8		0.30	2.41	mg/Kg
Q2150-01	TP-44	SOIL	Zinc	30.6		0.28	2.41	mg/Kg
Client ID : TP-42								
Q2150-02	TP-42	SOIL	Aluminum	2540		0.89	5.32	mg/Kg
Q2150-02	TP-42	SOIL	Arsenic	5.25		0.20	1.06	mg/Kg
Q2150-02	TP-42	SOIL	Barium	21.4		0.78	5.32	mg/Kg
Q2150-02	TP-42	SOIL	Beryllium	0.43		0.027	0.32	mg/Kg
Q2150-02	TP-42	SOIL	Calcium	814		11.8	106	mg/Kg
Q2150-02	TP-42	SOIL	Chromium	9.31		0.050	0.53	mg/Kg
Q2150-02	TP-42	SOIL	Cobalt	1.61		0.11	1.60	mg/Kg
Q2150-02	TP-42	SOIL	Copper	28.9		0.23	1.06	mg/Kg
Q2150-02	TP-42	SOIL	Iron	18400		4.25	5.32	mg/Kg
Q2150-02	TP-42	SOIL	Lead	69.1		0.14	0.64	mg/Kg
Q2150-02	TP-42	SOIL	Magnesium	334		12.8	106	mg/Kg
Q2150-02	TP-42	SOIL	Manganese	90.0		0.15	1.06	mg/Kg
Q2150-02	TP-42	SOIL	Mercury	0.014		0.0080	0.014	mg/Kg
Q2150-02	TP-42	SOIL	Nickel	3.17		0.14	2.13	mg/Kg
Q2150-02	TP-42	SOIL	Potassium	302		29.5	106	mg/Kg
Q2150-02	TP-42	SOIL	Silver	0.31	J	0.13	0.53	mg/Kg
Q2150-02	TP-42	SOIL	Sodium	151		18.9	106	mg/Kg

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Q2150-02	TP-42	SOIL	Vanadium	17.9		0.27	2.13	mg/Kg
Q2150-02	TP-42	SOIL	Zinc	77.9		0.25	2.13	mg/Kg
Client ID : TP-39								
Q2150-03	TP-39	SOIL	Aluminum	3890		0.96	5.69	mg/Kg
Q2150-03	TP-39	SOIL	Arsenic	4.24		0.22	1.14	mg/Kg
Q2150-03	TP-39	SOIL	Barium	46.0		0.83	5.69	mg/Kg
Q2150-03	TP-39	SOIL	Beryllium	0.38		0.028	0.34	mg/Kg
Q2150-03	TP-39	SOIL	Calcium	1190		12.6	114	mg/Kg
Q2150-03	TP-39	SOIL	Chromium	8.62		0.053	0.57	mg/Kg
Q2150-03	TP-39	SOIL	Cobalt	1.97		0.11	1.71	mg/Kg
Q2150-03	TP-39	SOIL	Copper	9.95		0.25	1.14	mg/Kg
Q2150-03	TP-39	SOIL	Iron	13700		4.54	5.69	mg/Kg
Q2150-03	TP-39	SOIL	Lead	114		0.15	0.68	mg/Kg
Q2150-03	TP-39	SOIL	Magnesium	275		13.7	114	mg/Kg
Q2150-03	TP-39	SOIL	Manganese	83.1		0.16	1.14	mg/Kg
Q2150-03	TP-39	SOIL	Mercury	0.046		0.0080	0.015	mg/Kg
Q2150-03	TP-39	SOIL	Nickel	3.62		0.15	2.28	mg/Kg
Q2150-03	TP-39	SOIL	Potassium	568		31.5	114	mg/Kg
Q2150-03	TP-39	SOIL	Silver	0.26	J	0.14	0.57	mg/Kg
Q2150-03	TP-39	SOIL	Sodium	391		20.3	114	mg/Kg
Q2150-03	TP-39	SOIL	Vanadium	17.1		0.28	2.28	mg/Kg
Q2150-03	TP-39	SOIL	Zinc	19.0		0.26	2.28	mg/Kg
Client ID : TP-48								
Q2150-04	TP-48	SOIL	Aluminum	1500		0.99	5.87	mg/Kg
Q2150-04	TP-48	SOIL	Arsenic	1.97		0.22	1.17	mg/Kg
Q2150-04	TP-48	SOIL	Barium	6.76		0.86	5.87	mg/Kg
Q2150-04	TP-48	SOIL	Beryllium	0.31	J	0.029	0.35	mg/Kg
Q2150-04	TP-48	SOIL	Calcium	331		13.0	117	mg/Kg
Q2150-04	TP-48	SOIL	Chromium	10.5		0.055	0.59	mg/Kg
Q2150-04	TP-48	SOIL	Cobalt	1.70	J	0.12	1.76	mg/Kg
Q2150-04	TP-48	SOIL	Copper	13.0		0.26	1.17	mg/Kg
Q2150-04	TP-48	SOIL	Iron	16500		4.69	5.87	mg/Kg
Q2150-04	TP-48	SOIL	Lead	5.52		0.15	0.71	mg/Kg
Q2150-04	TP-48	SOIL	Magnesium	159		14.1	117	mg/Kg
Q2150-04	TP-48	SOIL	Manganese	20.2		0.16	1.17	mg/Kg
Q2150-04	TP-48	SOIL	Nickel	1.67	J	0.15	2.35	mg/Kg
Q2150-04	TP-48	SOIL	Potassium	220		32.5	117	mg/Kg
Q2150-04	TP-48	SOIL	Sodium	236		20.9	117	mg/Kg
Q2150-04	TP-48	SOIL	Vanadium	11.4		0.29	2.35	mg/Kg

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Q2150-04	TP-48	SOIL	Zinc	8.09		0.27	2.35	mg/Kg
Client ID : TP-47								
Q2150-05	TP-47	SOIL	Aluminum	2460		0.95	5.66	mg/Kg
Q2150-05	TP-47	SOIL	Arsenic	7.01		0.22	1.13	mg/Kg
Q2150-05	TP-47	SOIL	Barium	8.49		0.83	5.66	mg/Kg
Q2150-05	TP-47	SOIL	Beryllium	0.64		0.028	0.34	mg/Kg
Q2150-05	TP-47	SOIL	Cadmium	0.22	J	0.027	0.34	mg/Kg
Q2150-05	TP-47	SOIL	Calcium	930		12.6	113	mg/Kg
Q2150-05	TP-47	SOIL	Chromium	14.4		0.053	0.57	mg/Kg
Q2150-05	TP-47	SOIL	Cobalt	2.59		0.11	1.70	mg/Kg
Q2150-05	TP-47	SOIL	Copper	12.3		0.25	1.13	mg/Kg
Q2150-05	TP-47	SOIL	Iron	33000		4.52	5.66	mg/Kg
Q2150-05	TP-47	SOIL	Lead	11.6		0.15	0.68	mg/Kg
Q2150-05	TP-47	SOIL	Magnesium	415		13.6	113	mg/Kg
Q2150-05	TP-47	SOIL	Manganese	69.1		0.16	1.13	mg/Kg
Q2150-05	TP-47	SOIL	Nickel	2.80		0.15	2.27	mg/Kg
Q2150-05	TP-47	SOIL	Potassium	247		31.4	113	mg/Kg
Q2150-05	TP-47	SOIL	Sodium	121		20.2	113	mg/Kg
Q2150-05	TP-47	SOIL	Vanadium	25.0		0.28	2.27	mg/Kg
Q2150-05	TP-47	SOIL	Zinc	23.7		0.26	2.27	mg/Kg
Client ID : TP-50								
Q2150-06	TP-50	SOIL	Aluminum	6500		0.80	4.77	mg/Kg
Q2150-06	TP-50	SOIL	Arsenic	4.62		0.18	0.95	mg/Kg
Q2150-06	TP-50	SOIL	Barium	38.3		0.70	4.77	mg/Kg
Q2150-06	TP-50	SOIL	Beryllium	0.41		0.024	0.29	mg/Kg
Q2150-06	TP-50	SOIL	Cadmium	0.52		0.023	0.29	mg/Kg
Q2150-06	TP-50	SOIL	Calcium	21100		10.6	95.3	mg/Kg
Q2150-06	TP-50	SOIL	Chromium	17.6		0.045	0.48	mg/Kg
Q2150-06	TP-50	SOIL	Cobalt	7.76		0.095	1.43	mg/Kg
Q2150-06	TP-50	SOIL	Copper	38.8		0.21	0.95	mg/Kg
Q2150-06	TP-50	SOIL	Iron	15200		3.80	4.77	mg/Kg
Q2150-06	TP-50	SOIL	Lead	54.8		0.12	0.57	mg/Kg
Q2150-06	TP-50	SOIL	Magnesium	4510		11.4	95.3	mg/Kg
Q2150-06	TP-50	SOIL	Manganese	209		0.13	0.95	mg/Kg
Q2150-06	TP-50	SOIL	Mercury	0.045		0.0080	0.015	mg/Kg
Q2150-06	TP-50	SOIL	Nickel	18.5		0.12	1.91	mg/Kg
Q2150-06	TP-50	SOIL	Potassium	696		26.4	95.3	mg/Kg
Q2150-06	TP-50	SOIL	Silver	0.54		0.11	0.48	mg/Kg
Q2150-06	TP-50	SOIL	Sodium	887		17.0	95.3	mg/Kg

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Q2150-06	TP-50	SOIL	Vanadium	33.8		0.24	1.91	mg/Kg
Q2150-06	TP-50	SOIL	Zinc	62.3		0.22	1.91	mg/Kg
Client ID : TP-51								
Q2150-07	TP-51	SOIL	Aluminum	3580		0.92	5.46	mg/Kg
Q2150-07	TP-51	SOIL	Arsenic	3.77		0.21	1.09	mg/Kg
Q2150-07	TP-51	SOIL	Barium	18.7		0.80	5.46	mg/Kg
Q2150-07	TP-51	SOIL	Beryllium	0.54		0.027	0.33	mg/Kg
Q2150-07	TP-51	SOIL	Cadmium	0.096	J	0.026	0.33	mg/Kg
Q2150-07	TP-51	SOIL	Calcium	648		12.1	109	mg/Kg
Q2150-07	TP-51	SOIL	Chromium	10.1		0.051	0.55	mg/Kg
Q2150-07	TP-51	SOIL	Cobalt	2.23		0.11	1.64	mg/Kg
Q2150-07	TP-51	SOIL	Copper	7.28		0.24	1.09	mg/Kg
Q2150-07	TP-51	SOIL	Iron	15200		4.35	5.46	mg/Kg
Q2150-07	TP-51	SOIL	Lead	15.3		0.14	0.66	mg/Kg
Q2150-07	TP-51	SOIL	Magnesium	151		13.1	109	mg/Kg
Q2150-07	TP-51	SOIL	Manganese	30.1		0.15	1.09	mg/Kg
Q2150-07	TP-51	SOIL	Mercury	0.031		0.0090	0.017	mg/Kg
Q2150-07	TP-51	SOIL	Nickel	3.05		0.14	2.18	mg/Kg
Q2150-07	TP-51	SOIL	Potassium	314		30.2	109	mg/Kg
Q2150-07	TP-51	SOIL	Sodium	328		19.4	109	mg/Kg
Q2150-07	TP-51	SOIL	Vanadium	22.4		0.27	2.18	mg/Kg
Q2150-07	TP-51	SOIL	Zinc	10.1		0.25	2.18	mg/Kg
Client ID : TP-52								
Q2150-08	TP-52	SOIL	Aluminum	4650		0.87	5.19	mg/Kg
Q2150-08	TP-52	SOIL	Arsenic	4.63		0.20	1.04	mg/Kg
Q2150-08	TP-52	SOIL	Barium	36.7		0.76	5.19	mg/Kg
Q2150-08	TP-52	SOIL	Beryllium	0.55		0.026	0.31	mg/Kg
Q2150-08	TP-52	SOIL	Cadmium	0.22	J	0.025	0.31	mg/Kg
Q2150-08	TP-52	SOIL	Calcium	1150		11.5	104	mg/Kg
Q2150-08	TP-52	SOIL	Chromium	8.57		0.049	0.52	mg/Kg
Q2150-08	TP-52	SOIL	Cobalt	4.55		0.10	1.56	mg/Kg
Q2150-08	TP-52	SOIL	Copper	18.6		0.23	1.04	mg/Kg
Q2150-08	TP-52	SOIL	Iron	19100		4.14	5.19	mg/Kg
Q2150-08	TP-52	SOIL	Lead	29.9		0.14	0.62	mg/Kg
Q2150-08	TP-52	SOIL	Magnesium	598		12.4	104	mg/Kg
Q2150-08	TP-52	SOIL	Manganese	80.2		0.14	1.04	mg/Kg
Q2150-08	TP-52	SOIL	Mercury	0.044		0.0080	0.014	mg/Kg
Q2150-08	TP-52	SOIL	Nickel	7.26		0.14	2.07	mg/Kg
Q2150-08	TP-52	SOIL	Potassium	334		28.7	104	mg/Kg

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2150-08	TP-52	SOIL	Sodium	179		18.5	104	mg/Kg
Q2150-08	TP-52	SOIL	Vanadium	22.7		0.26	2.07	mg/Kg
Q2150-08	TP-52	SOIL	Zinc	23.6		0.24	2.07	mg/Kg
Client ID : TP-54								
Q2150-09	TP-54	SOIL	Aluminum	4450		0.97	5.75	mg/Kg
Q2150-09	TP-54	SOIL	Arsenic	0.86	J	0.22	1.15	mg/Kg
Q2150-09	TP-54	SOIL	Barium	20.1		0.84	5.75	mg/Kg
Q2150-09	TP-54	SOIL	Beryllium	0.21	J	0.029	0.35	mg/Kg
Q2150-09	TP-54	SOIL	Calcium	558		12.8	115	mg/Kg
Q2150-09	TP-54	SOIL	Chromium	10.1		0.054	0.57	mg/Kg
Q2150-09	TP-54	SOIL	Cobalt	0.76	J	0.12	1.73	mg/Kg
Q2150-09	TP-54	SOIL	Copper	5.25		0.25	1.15	mg/Kg
Q2150-09	TP-54	SOIL	Iron	3090		4.59	5.75	mg/Kg
Q2150-09	TP-54	SOIL	Lead	5.07		0.15	0.69	mg/Kg
Q2150-09	TP-54	SOIL	Magnesium	574		13.8	115	mg/Kg
Q2150-09	TP-54	SOIL	Manganese	13.5		0.16	1.15	mg/Kg
Q2150-09	TP-54	SOIL	Nickel	2.40		0.15	2.30	mg/Kg
Q2150-09	TP-54	SOIL	Potassium	489		31.9	115	mg/Kg
Q2150-09	TP-54	SOIL	Sodium	285		20.5	115	mg/Kg
Q2150-09	TP-54	SOIL	Vanadium	13.5		0.29	2.30	mg/Kg
Q2150-09	TP-54	SOIL	Zinc	5.42		0.27	2.30	mg/Kg
Client ID : TP-53								
Q2150-10	TP-53	SOIL	Aluminum	3290		0.93	5.53	mg/Kg
Q2150-10	TP-53	SOIL	Arsenic	3.50		0.21	1.11	mg/Kg
Q2150-10	TP-53	SOIL	Barium	9.87		0.81	5.53	mg/Kg
Q2150-10	TP-53	SOIL	Beryllium	0.38		0.028	0.33	mg/Kg
Q2150-10	TP-53	SOIL	Calcium	481		12.3	111	mg/Kg
Q2150-10	TP-53	SOIL	Chromium	7.74		0.052	0.55	mg/Kg
Q2150-10	TP-53	SOIL	Cobalt	1.09	J	0.11	1.66	mg/Kg
Q2150-10	TP-53	SOIL	Copper	3.46		0.24	1.11	mg/Kg
Q2150-10	TP-53	SOIL	Iron	15000		4.41	5.53	mg/Kg
Q2150-10	TP-53	SOIL	Lead	6.90		0.14	0.66	mg/Kg
Q2150-10	TP-53	SOIL	Magnesium	206		13.3	111	mg/Kg
Q2150-10	TP-53	SOIL	Manganese	22.9		0.16	1.11	mg/Kg
Q2150-10	TP-53	SOIL	Mercury	0.016		0.0090	0.016	mg/Kg
Q2150-10	TP-53	SOIL	Nickel	1.96	J	0.14	2.21	mg/Kg
Q2150-10	TP-53	SOIL	Potassium	186		30.6	111	mg/Kg
Q2150-10	TP-53	SOIL	Sodium	239		19.7	111	mg/Kg
Q2150-10	TP-53	SOIL	Vanadium	19.8		0.28	2.21	mg/Kg

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Q2150-10	TP-53	SOIL	Zinc	5.58		0.25	2.21	mg/Kg