

ANALYTICAL RESULTS SUMMARY

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : SOUTH RIVER WM REPLACEMENT

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q2176

ATTENTION : Marcie Ann Encinas



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: Q2176
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TP-26							
Q2176-04	TP-26	SOIL	Acetone	12.0	J	3.70	19.4	ug/Kg
Q2176-04	TP-26	SOIL	Methylene Chloride	2.70	J	2.70	7.70	ug/Kg
			Total Voc :			14.7		
Q2176-04	TP-26	SOIL	1,3,5-Trimethylbenzene	* 1.30	J	0.63	3.90	ug/Kg
Q2176-04	TP-26	SOIL	1,2,4-Trimethylbenzene	* 0.86	J	0.50	3.90	ug/Kg
			Total Tics :			2.16		
			Total Concentration:			16.9		
Client ID:	TP-31							
Q2176-07	TP-31	SOIL	Methylene Chloride	4.60	J	3.70	10.5	ug/Kg
			Total Voc :			4.60		
			Total Concentration:			4.60		

Hit Summary Sheet SW-846

SDG No.: Q2176
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-46								
Q2176-01	TP-46	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	280.000	AB	0	0	ug/Kg
Q2176-01	TP-46	SOIL	Benzophenone *	340.000	J	0	0	ug/Kg
Q2176-01	TP-46	SOIL	n-Hexadecanoic acid *	110.000	J	0	0	ug/Kg
Q2176-01	TP-46	SOIL	Octacosyl trifluoroacetate *	140.000	J	0	0	ug/Kg
Total Tics :				870.00				
Total Concentration:				870.00				
Client ID : TP-56								
Q2176-02	TP-56	SOIL	Fluoranthene	96.400	J	34.7	200	ug/Kg
Total Svoc :				96.40				
Q2176-02	TP-56	SOIL	1-Heneicosanol *	120.000	J	0	0	ug/Kg
Q2176-02	TP-56	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	240.000	AB	0	0	ug/Kg
Q2176-02	TP-56	SOIL	Benzophenone *	300.000	J	0	0	ug/Kg
Q2176-02	TP-56	SOIL	n-Hexadecanoic acid *	120.000	J	0	0	ug/Kg
Total Tics :				780.00				
Total Concentration:				876.40				
Client ID : TP-25								
Q2176-03	TP-25	SOIL	1-Nonadecene *	170.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	1-Octadecene *	150.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	230.000	AB	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Benzophenone *	380.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Cyclotetradecane *	190.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Heneicosane *	92.800	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	n-Hexadecanoic acid *	570.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Octadecanoic acid *	170.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Squalene *	170.000	J	0	0	ug/Kg
Total Tics :				2,122.80				
Total Concentration:				2,122.80				
Client ID : TP-26								
Q2176-04	TP-26	SOIL	Phenanthrene	800.000		49	400	ug/Kg
Q2176-04	TP-26	SOIL	Anthracene	200.000	J	78.1	400	ug/Kg
Q2176-04	TP-26	SOIL	Fluoranthene	1,500.000		70.4	400	ug/Kg
Q2176-04	TP-26	SOIL	Pyrene	1,300.000		84.5	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(a)anthracene	570.000		54	400	ug/Kg
Q2176-04	TP-26	SOIL	Chrysene	630.000		46.7	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(b)fluoranthene	670.000		44.6	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(k)fluoranthene	280.000	J	52.6	400	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2176
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-04	TP-26	SOIL	Benzo(a)pyrene	480.000		69.2	400	ug/Kg
Q2176-04	TP-26	SOIL	Indeno(1,2,3-cd)pyrene	260.000	J	68.3	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(g,h,i)perylene	320.000	J	60.3	400	ug/Kg
Total Svoc :				7,010.00				
Q2176-04	TP-26	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	240.000	AB	0	0	ug/Kg
Q2176-04	TP-26	SOIL	4H-Cyclopenta[def]phenanthrene *	280.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	Benzophenone *	470.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	n-Hexadecanoic acid *	390.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	Propylene Glycol *	5,100.000	J	0	0	ug/Kg
Total Tics :				6,480.00				
Total Concentration:				13,490.00				
Client ID : TP-28								
Q2176-05	TP-28	SOIL	Fluoranthene	120.000	J	33.1	190	ug/Kg
Q2176-05	TP-28	SOIL	Pyrene	87.400	J	39.7	190	ug/Kg
Total Svoc :				207.40				
Q2176-05	TP-28	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	220.000	AB	0	0	ug/Kg
Q2176-05	TP-28	SOIL	3-Eicosene, (E)- *	190.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	Benzophenone *	450.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	n-Hexadecanoic acid *	370.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	Octadecanoic acid *	96.000	J	0	0	ug/Kg
Total Tics :				1,326.00				
Total Concentration:				1,533.40				
Client ID : TP-27								
Q2176-06	TP-27	SOIL	Benzo(b)fluoranthene	110.000	J	22.8	200	ug/Kg
Q2176-06	TP-27	SOIL	Benzo(a)pyrene	98.600	J	35.4	200	ug/Kg
Q2176-06	TP-27	SOIL	Benzo(g,h,i)perylene	110.000	J	30.9	200	ug/Kg
Total Svoc :				318.60				
Q2176-06	TP-27	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	300.000	AB	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Benzophenone *	530.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	n-Hexadecanoic acid *	270.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Octadecanoic acid *	160.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Oxalic acid, isobutyl hexadecyl es *	120.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Tetratriacontyl heptafluorobutyrat *	82.400	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	unknown20.201 *	99.200	J	0	0	ug/Kg
Total Tics :				1,561.60				
Total Concentration:				1,880.20				
Client ID : TP-31								
Q2176-07	TP-31	SOIL	Phenanthrene	99.500	J	24	200	ug/Kg
Q2176-07	TP-31	SOIL	Fluoranthene	97.400	J	34.5	200	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2176
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Svoc :				196.90				
Q2176-07	TP-31	SOIL	Heptadecyl heptafluorobutyrate	*	210.000	J	0	ug/Kg
Q2176-07	TP-31	SOIL	n-Hexadecanoic acid	*	200.000	J	0	ug/Kg
Q2176-07	TP-31	SOIL	Trifluoroacetic acid, pentadecyl e	*	110.000	J	0	ug/Kg
Q2176-07	TP-31	SOIL	Trifluoroacetic acid,n-tridecyl es	*	100.000	J	0	ug/Kg
Q2176-07	TP-31	SOIL	1-Octadecene	*	95.500	J	0	ug/Kg
Q2176-07	TP-31	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	ug/Kg
Q2176-07	TP-31	SOIL	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	120.000	J	0	ug/Kg
Q2176-07	TP-31	SOIL	Benzophenone	*	490.000	J	0	ug/Kg
Total Tics :				1,625.50				
Total Concentration:				1,822.40				
Client ID : TP-65								
Q2176-08	TP-65	SOIL	1-Tetracosene	*	120.000	J	0	ug/Kg
Q2176-08	TP-65	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	ug/Kg
Q2176-08	TP-65	SOIL	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	76.600	J	0	ug/Kg
Q2176-08	TP-65	SOIL	Benzophenone	*	380.000	J	0	ug/Kg
Q2176-08	TP-65	SOIL	n-Hexadecanoic acid	*	270.000	J	0	ug/Kg
Total Tics :				1,116.60				
Total Concentration:				1,116.60				

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Dieldrin	0.26	J	0.16	2.00	ug/kg
Total Concentration:				0.260				
Client ID : TP-26								
Q2176-04	TP-26	SOIL	4,4-DDE	1.40	J	0.16	2.00	ug/kg
Q2176-04	TP-26	SOIL	alpha-Chlordane	5.10	P	0.14	2.00	ug/kg
Q2176-04	TP-26	SOIL	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
Total Concentration:				9.400				

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q2176-03	TP-25 TP-25	SOIL	Aroclor-1260	8.50	J	3.80	19.8	ug/kg
Total Concentration:				8.500				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID :

Total Concentration: 0.000

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-46								
Q2176-01	TP-46	SOIL	Aluminum	1980		0.82	4.86	mg/Kg
Q2176-01	TP-46	SOIL	Arsenic	4.40		0.19	0.97	mg/Kg
Q2176-01	TP-46	SOIL	Barium	9.70		0.71	4.86	mg/Kg
Q2176-01	TP-46	SOIL	Beryllium	0.84		0.024	0.29	mg/Kg
Q2176-01	TP-46	SOIL	Cadmium	1.73		0.023	0.29	mg/Kg
Q2176-01	TP-46	SOIL	Calcium	639		10.8	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Chromium	0.63		0.046	0.49	mg/Kg
Q2176-01	TP-46	SOIL	Cobalt	2.85		0.097	1.46	mg/Kg
Q2176-01	TP-46	SOIL	Copper	10.9		0.21	0.97	mg/Kg
Q2176-01	TP-46	SOIL	Iron	51100		3.88	4.86	mg/Kg
Q2176-01	TP-46	SOIL	Lead	7.82		0.13	0.58	mg/Kg
Q2176-01	TP-46	SOIL	Magnesium	178		11.7	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Manganese	18.2		0.14	0.97	mg/Kg
Q2176-01	TP-46	SOIL	Mercury	0.0090	J	0.0080	0.014	mg/Kg
Q2176-01	TP-46	SOIL	Nickel	3.40		0.13	1.94	mg/Kg
Q2176-01	TP-46	SOIL	Potassium	183		26.9	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Sodium	143		17.3	97.1	mg/Kg
Q2176-01	TP-46	SOIL	Thallium	2.00		0.22	1.94	mg/Kg
Q2176-01	TP-46	SOIL	Vanadium	12.8		0.24	1.94	mg/Kg
Q2176-01	TP-46	SOIL	Zinc	63.0		0.22	1.94	mg/Kg
Client ID : TP-56								
Q2176-02	TP-56	SOIL	Aluminum	3310		0.87	5.16	mg/Kg
Q2176-02	TP-56	SOIL	Arsenic	7.72		0.20	1.03	mg/Kg
Q2176-02	TP-56	SOIL	Barium	14.2		0.75	5.16	mg/Kg
Q2176-02	TP-56	SOIL	Beryllium	0.62		0.026	0.31	mg/Kg
Q2176-02	TP-56	SOIL	Cadmium	0.89		0.025	0.31	mg/Kg
Q2176-02	TP-56	SOIL	Calcium	8050		11.4	103	mg/Kg
Q2176-02	TP-56	SOIL	Chromium	8.12		0.048	0.52	mg/Kg
Q2176-02	TP-56	SOIL	Cobalt	1.63		0.10	1.55	mg/Kg
Q2176-02	TP-56	SOIL	Copper	4.15		0.23	1.03	mg/Kg
Q2176-02	TP-56	SOIL	Iron	25000		4.11	5.16	mg/Kg
Q2176-02	TP-56	SOIL	Lead	7.64		0.13	0.62	mg/Kg
Q2176-02	TP-56	SOIL	Magnesium	1570		12.4	103	mg/Kg
Q2176-02	TP-56	SOIL	Manganese	22.4		0.14	1.03	mg/Kg
Q2176-02	TP-56	SOIL	Mercury	0.028		0.0090	0.016	mg/Kg
Q2176-02	TP-56	SOIL	Nickel	2.90		0.13	2.06	mg/Kg
Q2176-02	TP-56	SOIL	Potassium	357		28.6	103	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-02	TP-56	SOIL	Sodium	108		18.4	103	mg/Kg
Q2176-02	TP-56	SOIL	Thallium	0.64	J	0.24	2.06	mg/Kg
Q2176-02	TP-56	SOIL	Vanadium	18.7		0.26	2.06	mg/Kg
Q2176-02	TP-56	SOIL	Zinc	25.6		0.24	2.06	mg/Kg
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Aluminum	6420		0.93	5.56	mg/Kg
Q2176-03	TP-25	SOIL	Arsenic	4.23		0.21	1.11	mg/Kg
Q2176-03	TP-25	SOIL	Barium	21.3		0.81	5.56	mg/Kg
Q2176-03	TP-25	SOIL	Beryllium	0.56		0.028	0.33	mg/Kg
Q2176-03	TP-25	SOIL	Cadmium	0.70		0.027	0.33	mg/Kg
Q2176-03	TP-25	SOIL	Calcium	486		12.3	111	mg/Kg
Q2176-03	TP-25	SOIL	Chromium	9.44		0.052	0.56	mg/Kg
Q2176-03	TP-25	SOIL	Cobalt	3.06		0.11	1.67	mg/Kg
Q2176-03	TP-25	SOIL	Copper	7.78		0.24	1.11	mg/Kg
Q2176-03	TP-25	SOIL	Iron	13300		4.43	5.56	mg/Kg
Q2176-03	TP-25	SOIL	Lead	14.3		0.14	0.67	mg/Kg
Q2176-03	TP-25	SOIL	Magnesium	730		13.3	111	mg/Kg
Q2176-03	TP-25	SOIL	Manganese	35.4		0.16	1.11	mg/Kg
Q2176-03	TP-25	SOIL	Mercury	0.028		0.0080	0.015	mg/Kg
Q2176-03	TP-25	SOIL	Nickel	5.98		0.14	2.22	mg/Kg
Q2176-03	TP-25	SOIL	Potassium	242		30.8	111	mg/Kg
Q2176-03	TP-25	SOIL	Sodium	119		19.8	111	mg/Kg
Q2176-03	TP-25	SOIL	Vanadium	20.1		0.28	2.22	mg/Kg
Q2176-03	TP-25	SOIL	Zinc	23.9		0.26	2.22	mg/Kg
Client ID : TP-26								
Q2176-04	TP-26	SOIL	Aluminum	5980		0.80	4.73	mg/Kg
Q2176-04	TP-26	SOIL	Antimony	0.23	J	0.21	2.37	mg/Kg
Q2176-04	TP-26	SOIL	Arsenic	3.50		0.18	0.95	mg/Kg
Q2176-04	TP-26	SOIL	Barium	44.3		0.69	4.73	mg/Kg
Q2176-04	TP-26	SOIL	Beryllium	0.40		0.024	0.28	mg/Kg
Q2176-04	TP-26	SOIL	Cadmium	0.86		0.023	0.28	mg/Kg
Q2176-04	TP-26	SOIL	Calcium	29300		10.5	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Chromium	12.8		0.044	0.47	mg/Kg
Q2176-04	TP-26	SOIL	Cobalt	6.69		0.095	1.42	mg/Kg
Q2176-04	TP-26	SOIL	Copper	29.9		0.21	0.95	mg/Kg
Q2176-04	TP-26	SOIL	Iron	10800		3.78	4.73	mg/Kg
Q2176-04	TP-26	SOIL	Lead	54.0		0.12	0.57	mg/Kg
Q2176-04	TP-26	SOIL	Magnesium	5500		11.4	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Manganese	174		0.13	0.95	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-04	TP-26	SOIL	Mercury	0.063		0.0080	0.015	mg/Kg
Q2176-04	TP-26	SOIL	Nickel	15.5		0.12	1.89	mg/Kg
Q2176-04	TP-26	SOIL	Potassium	754		26.2	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Sodium	352		16.8	94.7	mg/Kg
Q2176-04	TP-26	SOIL	Vanadium	24.6		0.24	1.89	mg/Kg
Q2176-04	TP-26	SOIL	Zinc	56.2		0.22	1.89	mg/Kg

Client ID : TP-28

Q2176-05	TP-28	SOIL	Aluminum	5650		0.84	4.98	mg/Kg
Q2176-05	TP-28	SOIL	Arsenic	2.02		0.19	1.00	mg/Kg
Q2176-05	TP-28	SOIL	Barium	21.5		0.73	4.98	mg/Kg
Q2176-05	TP-28	SOIL	Beryllium	0.50		0.025	0.30	mg/Kg
Q2176-05	TP-28	SOIL	Cadmium	0.56		0.024	0.30	mg/Kg
Q2176-05	TP-28	SOIL	Calcium	203		11.0	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Chromium	4.18		0.047	0.50	mg/Kg
Q2176-05	TP-28	SOIL	Cobalt	3.56		0.10	1.49	mg/Kg
Q2176-05	TP-28	SOIL	Copper	3.06		0.22	1.00	mg/Kg
Q2176-05	TP-28	SOIL	Iron	13400		3.97	4.98	mg/Kg
Q2176-05	TP-28	SOIL	Lead	9.53		0.13	0.60	mg/Kg
Q2176-05	TP-28	SOIL	Magnesium	228		11.9	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Manganese	82.9		0.14	1.00	mg/Kg
Q2176-05	TP-28	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q2176-05	TP-28	SOIL	Nickel	3.55		0.13	1.99	mg/Kg
Q2176-05	TP-28	SOIL	Potassium	115		27.6	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Sodium	139		17.7	99.5	mg/Kg
Q2176-05	TP-28	SOIL	Vanadium	12.3		0.25	1.99	mg/Kg
Q2176-05	TP-28	SOIL	Zinc	10.6		0.23	1.99	mg/Kg

Client ID : TP-27

Q2176-06	TP-27	SOIL	Aluminum	10300		0.95	5.68	mg/Kg
Q2176-06	TP-27	SOIL	Arsenic	1.86		0.22	1.14	mg/Kg
Q2176-06	TP-27	SOIL	Barium	10.2		0.83	5.68	mg/Kg
Q2176-06	TP-27	SOIL	Beryllium	0.62		0.028	0.34	mg/Kg
Q2176-06	TP-27	SOIL	Cadmium	0.43		0.027	0.34	mg/Kg
Q2176-06	TP-27	SOIL	Calcium	197		12.6	114	mg/Kg
Q2176-06	TP-27	SOIL	Chromium	6.49		0.053	0.57	mg/Kg
Q2176-06	TP-27	SOIL	Cobalt	4.96		0.11	1.70	mg/Kg
Q2176-06	TP-27	SOIL	Copper	4.19		0.25	1.14	mg/Kg
Q2176-06	TP-27	SOIL	Iron	10000		4.53	5.68	mg/Kg
Q2176-06	TP-27	SOIL	Lead	3.94		0.15	0.68	mg/Kg
Q2176-06	TP-27	SOIL	Magnesium	389		13.6	114	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-06	TP-27	SOIL	Manganese	96.0		0.16	1.14	mg/Kg
Q2176-06	TP-27	SOIL	Nickel	5.97		0.15	2.27	mg/Kg
Q2176-06	TP-27	SOIL	Potassium	131		31.4	114	mg/Kg
Q2176-06	TP-27	SOIL	Sodium	123		20.2	114	mg/Kg
Q2176-06	TP-27	SOIL	Vanadium	13.2		0.28	2.27	mg/Kg
Q2176-06	TP-27	SOIL	Zinc	13.9		0.26	2.27	mg/Kg
Client ID : TP-31								
Q2176-07	TP-31	SOIL	Aluminum	6650		0.90	5.36	mg/Kg
Q2176-07	TP-31	SOIL	Arsenic	3.05		0.20	1.07	mg/Kg
Q2176-07	TP-31	SOIL	Barium	24.1		0.78	5.36	mg/Kg
Q2176-07	TP-31	SOIL	Beryllium	0.49		0.027	0.32	mg/Kg
Q2176-07	TP-31	SOIL	Cadmium	0.53		0.026	0.32	mg/Kg
Q2176-07	TP-31	SOIL	Calcium	354		11.9	107	mg/Kg
Q2176-07	TP-31	SOIL	Chromium	7.28		0.050	0.54	mg/Kg
Q2176-07	TP-31	SOIL	Cobalt	3.08		0.11	1.61	mg/Kg
Q2176-07	TP-31	SOIL	Copper	3.38		0.24	1.07	mg/Kg
Q2176-07	TP-31	SOIL	Iron	10800		4.28	5.36	mg/Kg
Q2176-07	TP-31	SOIL	Lead	6.08		0.14	0.64	mg/Kg
Q2176-07	TP-31	SOIL	Magnesium	510		12.9	107	mg/Kg
Q2176-07	TP-31	SOIL	Manganese	54.0		0.15	1.07	mg/Kg
Q2176-07	TP-31	SOIL	Mercury	0.015	J	0.0090	0.016	mg/Kg
Q2176-07	TP-31	SOIL	Nickel	4.81		0.14	2.14	mg/Kg
Q2176-07	TP-31	SOIL	Potassium	201		29.7	107	mg/Kg
Q2176-07	TP-31	SOIL	Sodium	606		19.1	107	mg/Kg
Q2176-07	TP-31	SOIL	Vanadium	16.4		0.27	2.14	mg/Kg
Q2176-07	TP-31	SOIL	Zinc	12.5		0.25	2.14	mg/Kg
Client ID : TP-65								
Q2176-08	TP-65	SOIL	Aluminum	3850		0.86	5.09	mg/Kg
Q2176-08	TP-65	SOIL	Arsenic	2.11		0.19	1.02	mg/Kg
Q2176-08	TP-65	SOIL	Barium	21.5		0.74	5.09	mg/Kg
Q2176-08	TP-65	SOIL	Beryllium	0.49		0.025	0.31	mg/Kg
Q2176-08	TP-65	SOIL	Cadmium	0.22	J	0.024	0.31	mg/Kg
Q2176-08	TP-65	SOIL	Calcium	3400		11.3	102	mg/Kg
Q2176-08	TP-65	SOIL	Chromium	9.40		0.048	0.51	mg/Kg
Q2176-08	TP-65	SOIL	Cobalt	2.07		0.10	1.53	mg/Kg
Q2176-08	TP-65	SOIL	Copper	4.74		0.22	1.02	mg/Kg
Q2176-08	TP-65	SOIL	Iron	6200		4.06	5.09	mg/Kg
Q2176-08	TP-65	SOIL	Lead	18.8		0.13	0.61	mg/Kg
Q2176-08	TP-65	SOIL	Magnesium	1510		12.2	102	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2176-08	TP-65	SOIL	Manganese	31.0		0.14	1.02	mg/Kg
Q2176-08	TP-65	SOIL	Mercury	0.011	J	0.0080	0.014	mg/Kg
Q2176-08	TP-65	SOIL	Nickel	3.30		0.13	2.04	mg/Kg
Q2176-08	TP-65	SOIL	Potassium	218		28.2	102	mg/Kg
Q2176-08	TP-65	SOIL	Sodium	209		18.1	102	mg/Kg
Q2176-08	TP-65	SOIL	Vanadium	16.1		0.26	2.04	mg/Kg
Q2176-08	TP-65	SOIL	Zinc	12.6		0.23	2.04	mg/Kg