

ANALYTICAL RESULTS SUMMARY

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : CON ED UTEN MOUNT VERNON, NY

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q1914

ATTENTION : Marcie Ann Encinas



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SS-91							
Q1914-02	SS-91	SOIL	1,3,5-Trimethylbenzene	0.87	J	0.62	3.80	ug/Kg
			Total Voc :	0.87				
			Total Concentration:	0.87				
Client ID:	SS-5							
Q1914-06	SS-5	SOIL	Benzene	21.6		0.57	3.60	ug/Kg
Q1914-06	SS-5	SOIL	Toluene	110	E	0.56	3.60	ug/Kg
Q1914-06	SS-5	SOIL	Ethyl Benzene	350	E	0.48	3.60	ug/Kg
Q1914-06	SS-5	SOIL	Total Xylenes	1980	E	1.48	10.8	ug/Kg
Q1914-06	SS-5	SOIL	Isopropylbenzene	85.4		0.56	3.60	ug/Kg
Q1914-06	SS-5	SOIL	n-propylbenzene	210	E	0.53	3.60	ug/Kg
Q1914-06	SS-5	SOIL	1,3,5-Trimethylbenzene	390	E	0.59	3.60	ug/Kg
Q1914-06	SS-5	SOIL	1,2,4-Trimethylbenzene	970	E	0.46	3.60	ug/Kg
Q1914-06	SS-5	SOIL	sec-Butylbenzene	64.7		0.47	3.60	ug/Kg
Q1914-06	SS-5	SOIL	p-Isopropyltoluene	44.4		0.45	3.60	ug/Kg
Q1914-06	SS-5	SOIL	n-Butylbenzene	85.8		1.00	3.60	ug/Kg
			Total Voc :	4310				
			Total Concentration:	4310				
Client ID:	SS-5ME							
Q1914-06ME	SS-5ME	SOIL	Benzene	88.0	JD	30.0	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Toluene	230	D	29.6	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Ethyl Benzene	1100	D	25.4	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Total Xylenes	4400	D	78.1	570	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Isopropylbenzene	260	D	29.6	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	n-propylbenzene	650	D	27.7	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	1,3,5-Trimethylbenzene	930	D	31.1	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	1,2,4-Trimethylbenzene	3800	D	24.3	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	sec-Butylbenzene	230	D	25.0	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	p-Isopropyltoluene	150	JD	23.5	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	n-Butylbenzene	370	D	55.0	190	ug/Kg
			Total Voc :	12200				
			Total Concentration:	12200				
Client ID:	SS-6							
Q1914-07	SS-6	SOIL	Benzene	12.3		0.57	3.60	ug/Kg
Q1914-07	SS-6	SOIL	Toluene	21.5		0.56	3.60	ug/Kg
Q1914-07	SS-6	SOIL	Ethyl Benzene	240	E	0.48	3.60	ug/Kg
Q1914-07	SS-6	SOIL	Total Xylenes	1540	E	1.48	10.8	ug/Kg
Q1914-07	SS-6	SOIL	Isopropylbenzene	71.9		0.56	3.60	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1914

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-07	SS-6	SOIL	n-propylbenzene	180	E	0.52	3.60	ug/Kg
Q1914-07	SS-6	SOIL	1,3,5-Trimethylbenzene	440	E	0.59	3.60	ug/Kg
Q1914-07	SS-6	SOIL	1,2,4-Trimethylbenzene	760	E	0.46	3.60	ug/Kg
Q1914-07	SS-6	SOIL	sec-Butylbenzene	72.3		0.47	3.60	ug/Kg
Q1914-07	SS-6	SOIL	p-Isopropyltoluene	51.0		0.44	3.60	ug/Kg
Q1914-07	SS-6	SOIL	n-Butylbenzene	100		1.00	3.60	ug/Kg
Total Voc :				3490				
Total Concentration:				3490				
Client ID:	SS-6ME							
Q1914-07ME	SS-6ME	SOIL	Benzene	170	JD	31.1	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Toluene	1600	D	30.7	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Ethyl Benzene	5300	ED	26.3	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Total Xylenes	31900	ED	80.9	590	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Isopropylbenzene	1700	D	30.7	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	n-propylbenzene	4900	ED	28.7	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	1,3,5-Trimethylbenzene	8000	ED	32.2	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	1,2,4-Trimethylbenzene	29500	ED	25.2	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	sec-Butylbenzene	2000	D	25.9	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	p-Isopropyltoluene	1400	D	24.4	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	n-Butylbenzene	3500	D	57.0	200	ug/Kg
Total Voc :				90000				
Total Concentration:				90000				
Client ID:	SS-6MEDL							
Q1914-07MEDL	SS-6MEDL	SOIL	Toluene	1500	JD	610	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	Ethyl Benzene	4700	D	530	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	Total Xylenes	27900	D	1610	11800	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	Isopropylbenzene	1700	JD	610	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	n-propylbenzene	4500	D	570	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	1,3,5-Trimethylbenzene	7600	D	640	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	1,2,4-Trimethylbenzene	28100	D	500	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	sec-Butylbenzene	1900	JD	520	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	p-Isopropyltoluene	1300	JD	490	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	n-Butylbenzene	2900	JD	1100	3900	ug/Kg
Total Voc :				82100				
Total Concentration:				82100				
Client ID:	SS-7							
Q1914-08	SS-7	SOIL	Benzene	120	J	30.8	200	ug/Kg
Q1914-08	SS-7	SOIL	Toluene	1400		30.4	200	ug/Kg

Hit Summary Sheet
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SDG No.: Q1914

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-08	SS-7	SOIL	Ethyl Benzene	2200		26.1	200	ug/Kg
Q1914-08	SS-7	SOIL	Total Xylenes	12600		80.4	590	ug/Kg
Q1914-08	SS-7	SOIL	Isopropylbenzene	670		30.4	200	ug/Kg
Q1914-08	SS-7	SOIL	n-propylbenzene	1900		28.5	200	ug/Kg
Q1914-08	SS-7	SOIL	1,3,5-Trimethylbenzene	2900		32.0	200	ug/Kg
Q1914-08	SS-7	SOIL	1,2,4-Trimethylbenzene	11000	E	25.0	200	ug/Kg
Q1914-08	SS-7	SOIL	sec-Butylbenzene	780		25.7	200	ug/Kg
Q1914-08	SS-7	SOIL	p-Isopropyltoluene	520		24.2	200	ug/Kg
Q1914-08	SS-7	SOIL	n-Butylbenzene	1200		56.6	200	ug/Kg
Total Voc :				35300				
Total Concentration:				35300				
Client ID:	SS-7DL							
Q1914-08DL	SS-7DL	SOIL	Toluene	1300	JD	610	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	Ethyl Benzene	2200	JD	520	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	Total Xylenes	12200	D	1610	11700	ug/Kg
Q1914-08DL	SS-7DL	SOIL	Isopropylbenzene	640	JD	610	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	n-propylbenzene	1800	JD	570	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	1,3,5-Trimethylbenzene	3000	JD	640	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	1,2,4-Trimethylbenzene	11200	D	500	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	sec-Butylbenzene	760	JD	510	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	p-Isopropyltoluene	560	JD	480	3900	ug/Kg
Total Voc :				33700				
Total Concentration:				33700				
Client ID:	SS-8							
Q1914-09	SS-8	SOIL	Benzene	19.9		0.55	3.50	ug/Kg
Q1914-09	SS-8	SOIL	Toluene	640	E	0.55	3.50	ug/Kg
Q1914-09	SS-8	SOIL	Ethyl Benzene	780	E	0.47	3.50	ug/Kg
Q1914-09	SS-8	SOIL	Total Xylenes	4200	E	1.44	10.5	ug/Kg
Q1914-09	SS-8	SOIL	Isopropylbenzene	320	E	0.55	3.50	ug/Kg
Q1914-09	SS-8	SOIL	n-propylbenzene	420	E	0.51	3.50	ug/Kg
Q1914-09	SS-8	SOIL	1,3,5-Trimethylbenzene	470	E	0.57	3.50	ug/Kg
Q1914-09	SS-8	SOIL	1,2,4-Trimethylbenzene	710	E	0.45	3.50	ug/Kg
Q1914-09	SS-8	SOIL	sec-Butylbenzene	280	E	0.46	3.50	ug/Kg
Q1914-09	SS-8	SOIL	p-Isopropyltoluene	180	E	0.43	3.50	ug/Kg
Q1914-09	SS-8	SOIL	n-Butylbenzene	320	E	1.00	3.50	ug/Kg
Total Voc :				8340				
Total Concentration:				8340				
Client ID:	SS-8ME							

Hit Summary Sheet
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SDG No.: Q1914

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-09ME	SS-8ME	SOIL	Benzene	61.4	JD	26.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Toluene	1200	D	26.4	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Ethyl Benzene	2900	D	22.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Total Xylenes	16700	ED	69.6	510	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Isopropylbenzene	990	D	26.4	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	n-propylbenzene	3000	D	24.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	1,3,5-Trimethylbenzene	5100	ED	27.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	1,2,4-Trimethylbenzene	18300	ED	21.6	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	sec-Butylbenzene	1300	D	22.3	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	p-Isopropyltoluene	940	D	21.0	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	n-Butylbenzene	2400	D	49.0	170	ug/Kg
Total Voc :				52900				
Total Concentration:				52900				
Client ID:	SS-8MEDL							
Q1914-09MEDL	SS-8MEDL	SOIL	Toluene	1100	JD	530	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	Ethyl Benzene	2700	JD	450	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	Total Xylenes	15200	D	1390	10200	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	Isopropylbenzene	1000	JD	530	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	n-propylbenzene	2900	JD	490	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	1,3,5-Trimethylbenzene	5200	D	550	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	1,2,4-Trimethylbenzene	18900	D	430	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	sec-Butylbenzene	1300	JD	450	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	p-Isopropyltoluene	900	JD	420	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	n-Butylbenzene	2100	JD	980	3400	ug/Kg
Total Voc :				51300				
Total Concentration:				51300				

Hit Summary Sheet SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-91								
Q1914-02	SS-91	SOIL	Fluoranthene	82.500	J	34.7	200	ug/Kg
			Total Svoc :			82.50		
			Total Concentration:			82.50		
Client ID : SS-2								
Q1914-03	SS-2	SOIL	Phenanthrene	90.700	J	24.8	200	ug/Kg
Q1914-03	SS-2	SOIL	Fluoranthene	190.000	J	35.6	200	ug/Kg
Q1914-03	SS-2	SOIL	Pyrene	180.000	J	42.7	200	ug/Kg
Q1914-03	SS-2	SOIL	Benzo(a)anthracene	120.000	J	27.3	200	ug/Kg
Q1914-03	SS-2	SOIL	Chrysene	110.000	J	23.6	200	ug/Kg
Q1914-03	SS-2	SOIL	Benzo(a)pyrene	120.000	J	35	200	ug/Kg
Q1914-03	SS-2	SOIL	Benzo(g,h,i)perylene	96.500	J	30.5	200	ug/Kg
			Total Svoc :			907.20		
			Total Concentration:			907.20		
Client ID : SS-3								
Q1914-04	SS-3	SOIL	Phenanthrene	270.000		23.8	190	ug/Kg
Q1914-04	SS-3	SOIL	Fluoranthene	450.000		34.2	190	ug/Kg
Q1914-04	SS-3	SOIL	Pyrene	400.000		41	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(a)anthracene	220.000		26.2	190	ug/Kg
Q1914-04	SS-3	SOIL	Chrysene	210.000		22.7	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(k)fluoranthene	100.000	J	25.5	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(a)pyrene	210.000		33.6	190	ug/Kg
Q1914-04	SS-3	SOIL	Indeno(1,2,3-cd)pyrene	140.000	J	33.2	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(g,h,i)perylene	190.000		29.3	190	ug/Kg
			Total Svoc :			2,190.00		
			Total Concentration:			2,190.00		
Client ID : SS-4								
Q1914-05	SS-4	SOIL	Phenanthrene	300.000		24.2	200	ug/Kg
Q1914-05	SS-4	SOIL	Fluoranthene	630.000		34.7	200	ug/Kg
Q1914-05	SS-4	SOIL	Pyrene	520.000		41.6	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(a)anthracene	320.000		26.6	200	ug/Kg
Q1914-05	SS-4	SOIL	Chrysene	310.000		23	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(k)fluoranthene	130.000	J	25.9	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(a)pyrene	330.000		34.1	200	ug/Kg
Q1914-05	SS-4	SOIL	Indeno(1,2,3-cd)pyrene	190.000	J	33.6	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(g,h,i)perylene	250.000		29.7	200	ug/Kg
			Total Svoc :			2,980.00		

Hit Summary Sheet
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SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				2,980.00				
Client ID : SS-5								
Q1914-06	SS-5	SOIL	Acenaphthene	120.000	J	23.7	190	ug/Kg
Q1914-06	SS-5	SOIL	Fluorene	250.000		28.2	190	ug/Kg
Q1914-06	SS-5	SOIL	Phenanthrene	200.000		23.3	190	ug/Kg
Q1914-06	SS-5	SOIL	Anthracene	100.000	J	37.1	190	ug/Kg
Q1914-06	SS-5	SOIL	Fluoranthene	360.000		33.4	190	ug/Kg
Q1914-06	SS-5	SOIL	Pyrene	360.000		40.1	190	ug/Kg
Q1914-06	SS-5	SOIL	Benzo(a)anthracene	110.000	J	25.6	190	ug/Kg
Q1914-06	SS-5	SOIL	Chrysene	120.000	J	22.2	190	ug/Kg
Q1914-06	SS-5	SOIL	Benzo(a)pyrene	110.000	J	32.8	190	ug/Kg
Q1914-06	SS-5	SOIL	Benzo(g,h,i)perylene	78.800	J	28.6	190	ug/Kg
Total Svoc :				1,808.80				
Total Concentration:				1,808.80				
Client ID : SS-6								
Q1914-07	SS-6	SOIL	Naphthalene	500.000		27	200	ug/Kg
Q1914-07	SS-6	SOIL	Acenaphthene	370.000		25.3	200	ug/Kg
Q1914-07	SS-6	SOIL	Fluorene	520.000		30.1	200	ug/Kg
Q1914-07	SS-6	SOIL	Phenanthrene	680.000		24.9	200	ug/Kg
Q1914-07	SS-6	SOIL	Anthracene	160.000	J	39.6	200	ug/Kg
Q1914-07	SS-6	SOIL	Fluoranthene	2,500.000		35.7	200	ug/Kg
Q1914-07	SS-6	SOIL	Pyrene	1,900.000		42.8	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(a)anthracene	610.000		27.4	200	ug/Kg
Q1914-07	SS-6	SOIL	Chrysene	570.000		23.7	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(k)fluoranthene	250.000		26.7	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(a)pyrene	580.000		35.1	200	ug/Kg
Q1914-07	SS-6	SOIL	Indeno(1,2,3-cd)pyrene	280.000		34.6	200	ug/Kg
Q1914-07	SS-6	SOIL	Dibenzo(a,h)anthracene	84.100	J	32.6	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(g,h,i)perylene	310.000		30.6	200	ug/Kg
Total Svoc :				9,314.10				
Total Concentration:				9,314.10				
Client ID : SS-7								
Q1914-08	SS-7	SOIL	Naphthalene	970.000		26.7	200	ug/Kg
Q1914-08	SS-7	SOIL	Phenanthrene	780.000		24.6	200	ug/Kg
Q1914-08	SS-7	SOIL	Fluoranthene	890.000		35.3	200	ug/Kg
Q1914-08	SS-7	SOIL	Pyrene	1,100.000		42.3	200	ug/Kg
Q1914-08	SS-7	SOIL	Benzo(a)anthracene	400.000		27	200	ug/Kg
Q1914-08	SS-7	SOIL	Chrysene	490.000		23.4	200	ug/Kg
Q1914-08	SS-7	SOIL	Benzo(k)fluoranthene	200.000		26.3	200	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-08	SS-7	SOIL	Benzo(a)pyrene	410.000		34.7	200	ug/Kg
Q1914-08	SS-7	SOIL	Indeno(1,2,3-cd)pyrene	250.000		34.2	200	ug/Kg
Q1914-08	SS-7	SOIL	Benzo(g,h,i)perylene	310.000		30.2	200	ug/Kg
Total Svoc :				5,800.00				
Total Concentration:				5,800.00				
Client ID : SS-8								
Q1914-09	SS-8	SOIL	Naphthalene	2,000.000		24.5	180	ug/Kg
Q1914-09	SS-8	SOIL	Acenaphthene	190.000		23	180	ug/Kg
Q1914-09	SS-8	SOIL	Phenanthrene	1,400.000		22.6	180	ug/Kg
Q1914-09	SS-8	SOIL	Anthracene	220.000		35.9	180	ug/Kg
Q1914-09	SS-8	SOIL	Fluoranthene	2,000.000		32.4	180	ug/Kg
Q1914-09	SS-8	SOIL	Pyrene	1,800.000		38.9	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(a)anthracene	930.000		24.8	180	ug/Kg
Q1914-09	SS-8	SOIL	Chrysene	860.000		21.5	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(k)fluoranthene	330.000		24.2	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(a)pyrene	770.000		31.8	180	ug/Kg
Q1914-09	SS-8	SOIL	Indeno(1,2,3-cd)pyrene	420.000		31.4	180	ug/Kg
Q1914-09	SS-8	SOIL	Dibenzo(a,h)anthracene	140.000	J	29.6	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(g,h,i)perylene	490.000		27.7	180	ug/Kg
Total Svoc :				11,550.00				
Total Concentration:				11,550.00				
Client ID : SS-9								
Q1914-12	SS-9	SOIL	Fluoranthene	160.000	J	34.4	190	ug/Kg
Q1914-12	SS-9	SOIL	Pyrene	150.000	J	41.2	190	ug/Kg
Q1914-12	SS-9	SOIL	Benzo(a)anthracene	83.600	J	26.3	190	ug/Kg
Q1914-12	SS-9	SOIL	Chrysene	78.400	J	22.8	190	ug/Kg
Q1914-12	SS-9	SOIL	Benzo(a)pyrene	79.100	J	33.8	190	ug/Kg
Total Svoc :				551.10				
Total Concentration:				551.10				