

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-033 0-0.5 ft 7/27/2013 SED-DA-033(0.0-0.5) Tier II	SED-DA-033 0.5-1 ft 7/27/2013 SED-DA-033(0.5-1.0) Tier II	SED-DA-033 1-1.5 ft 7/27/2013 SED-DA-033(1.0-1.5) Tier II	SED-DA-034 0-0.5 ft 7/27/2013 SED-DA-034(0.0-0.5) Tier II	SED-DA-034 0.5-1 ft 7/27/2013 SED-DA-034(0.5-1.0) Tier II	SED-DA-034 1-1.5 ft 7/27/2013 SED-DA-034(1.0-1.5) Tier II	SED-DA-035 0-0.5 ft 7/27/2013 SED-DA-035(0.0-0.5) Tier II
Chemical	Units							
Grain Size								
Sieve 3 inch, % passing	% passing	100	NA	NA	100	NA	NA	100
Sieve 1.5 inch, % passing	% passing	100	NA	NA	100	NA	NA	100
Sieve 0.75 inch, % passing	% passing	100	NA	NA	100	NA	NA	100
Sieve, 4750 micron, % passing	% passing	99.8	NA	NA	99.9	NA	NA	100
Sieve, 3350 micron, % passing	% passing	99.7	NA	NA	99.8	NA	NA	100
Sieve, 2360 micron, % passing	% passing	99.7	NA	NA	99.5	NA	NA	100
Sieve, 1180 micron, % passing	% passing	99.3	NA	NA	97.8	NA	NA	99.1
Sieve, 600 micron, % passing	% passing	98.7	NA	NA	95.4	NA	NA	97.7
Sieve, 300 micron, % passing	% passing	97.6	NA	NA	93.4	NA	NA	96.7
Sieve, 150 micron, % passing	% passing	94.7	NA	NA	92.1	NA	NA	95.8
Sieve, 75 micron, % passing	% passing	89.4	NA	NA	90.9	NA	NA	93.6
Sieve, 64 micron, % passing	% passing	85.0	NA	NA	88.0	NA	NA	90.5
Sieve, 50 micron, % passing	% passing	77.0	NA	NA	83.0	NA	NA	83.0
Sieve, 20 micron, % passing	% passing	52.0	NA	NA	59.5	NA	NA	62.0
Sieve, 5 micron, % passing	% passing	25.0	NA	NA	28.0	NA	NA	30.0
Sieve, 2 micron, % passing	% passing	17.0	NA	NA	19.0	NA	NA	20.0
Sieve, 1 micron, % passing	% passing	12.0	NA	NA	17.0	NA	NA	15.0
Metals								
Arsenic	mg/kg	2.73 J	2.07 J	1.59 J	5.78	2.43 J	1.65 J	7.62
Barium	mg/kg	158	105	75.5	187	122	86.9	259
Cadmium	mg/kg	< 0.787 U	< 0.622 U	< 0.612 U	0.245 J	< 0.673 U	< 0.597 U	< 1.66 U
Chromium	mg/kg	21.4 J	18.5 J	14.1 J	28.4 J	20.0 J	12.6 J	41.4 J
Lead	mg/kg	24.5	12.9	11.2	40.8	17.3	9.94	46.7
Mercury	mg/kg	0.0598 J	0.0133 J	0.0461 J	0.0759 J	0.0799 J	0.0215 J	0.0903 J
Nickel	mg/kg	17.3	9.69	7.41	24.0	11.6	6.74	31.0
Selenium	mg/kg	< 3.15 U	< 2.49 U	< 2.45 U	< 4.84 U	< 2.69 U	< 2.39 U	2.89 J
Silver	mg/kg	< 0.787 U	< 0.622 U	< 0.612 U	< 1.21 U	< 0.673 U	< 0.597 U	< 1.66 U
Vanadium	mg/kg	36.4	31.3	25.1	46.7	33.5	23.8	67.2
Other								
Black Carbon	%	< 0.18 UJ	NA	NA	0.230 J	NA	NA	0.220 J
Percent Moisture	%	37.1	21.9	20.7	58.7	26.4	19.5	70.4
Total Organic Carbon	%	2.20	NA	NA	5.91	NA	NA	3.03
Priority PAHs								
1-Methylnaphthalene	ug/kg	6.02	0.262 J	< 0.69 UB	3.05	0.905	< 0.71 UB	3.21
2-Methylnaphthalene	ug/kg	9.90	0.649 J	< 1.6 UB	6.81	2.03	0.475 J	7.55
Acenaphthene	ug/kg	1.71	0.127	< 0.1 U	1.57	0.291	0.082 J	1.59
Acenaphthylene	ug/kg	3.36	0.085	< 0.04 U	6.47	0.212	0.059	4.29
Anthracene	ug/kg	5.24	0.111 J	< 0.1 U	9.73	0.366	< 0.1 U	7.77
Benzo(a)Anthracene	ug/kg	9.56	0.182 J	< 0.2 U	17.0	0.522	< 0.2 U	13.3
Benzo(a)Pyrene	ug/kg	7.39	< 0.1 U	< 0.1 U	14.4	< 0.1 U	< 0.1 U	11.7

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-033	SED-DA-033	SED-DA-033	SED-DA-034	SED-DA-034	SED-DA-034	SED-DA-035
		0-0.5 ft 7/27/2013 SED-DA-033(0.0-0.5) Tier II	0.5-1 ft 7/27/2013 SED-DA-033(0.5-1.0) Tier II	1-1.5 ft 7/27/2013 SED-DA-033(1.0-1.5) Tier II	0-0.5 ft 7/27/2013 SED-DA-034(0.0-0.5) Tier II	0.5-1 ft 7/27/2013 SED-DA-034(0.5-1.0) Tier II	1-1.5 ft 7/27/2013 SED-DA-034(1.0-1.5) Tier II	0-0.5 ft 7/27/2013 SED-DA-035(0.0-0.5) Tier II
Units								
Benzo(b)Fluoranthene	ug/kg	22.6	0.391	< 0.2 U	43.9	1.55	< 0.2 U	31.3
Benzo(g,h,i)Perylene	ug/kg	9.21	0.215	< 0.1 U	20.4	0.758	0.099	13.2
Benzo(j)+(k)Fluoranthene	ug/kg	5.44	0.075 J	< 0.1 U	14.2	0.258	< 0.1 U	8.18
Chrysene/Triphenylene	ug/kg	16.4	0.308	< 0.1 U	28.3	1.37	< 0.1 U	25.2
Dibenz(a,h)Anthracene	ug/kg	< 0.1 U	< 0.1 U	< 0.1 U	9.14	0.378	< 0.1 U	5.39
Fluoranthene	ug/kg	21.5	1.56	1.15	39.6	2.77	1.09	25.1
Fluorene	ug/kg	12.5	2.12	1.12	10.4	3.87	1.78	13.7
Indeno[1,2,3-cd]pyrene	ug/kg	7.41	< 0.1 U	< 0.1 U	16.5	0.621	< 0.1 U	10.8
Naphthalene	ug/kg	8.98	< 1.01 UB	< 0.492 UB	7.38	2.87	< 0.763 UB	7.49
Phenanthrene	ug/kg	28.6	6.54	3.53	21.8	11.1	5.20	38.6
Pyrene	ug/kg	18.0	0.914	0.465	33.6	1.78	0.496	25.3
Forensic PAHs								
Benzo(e)Pyrene	ug/kg	11.2	< 0.2 U	< 0.2 U	24.3	< 0.2 U	< 0.2 U	27.3
C1-Chrysenes	ug/kg	3.92	< 0.2 U	< 0.2 U	24.7	< 0.2 U	< 0.2 U	73.5
C1-Fluoranthenes/Pyrenes	ug/kg	17.5	0.538	0.258 J	27.7	1.96	< 0.5 U	29.5
C1-Fluorenes	ug/kg	6.97	0.903	0.565	6.05	1.62	< 0.4 U	6.64
C1-Phenanthrenes/Anthracenes	ug/kg	15.8	3.14	< 0.1 U	15.2	4.46	< 0.1 U	16.6
C2-Chrysenes	ug/kg	7.33	< 0.2 U	< 0.2 U	9.36	< 0.2 U	< 0.2 U	110
C2-Fluorenes	ug/kg	20.1	1.19	< 0.4 U	23.8	< 0.4 U	< 0.4 U	22.6
C2-Naphthalenes	ug/kg	22.4	1.19	< 0.7 U	11.8	3.14	1.01	13.4
C2-Phenanthrenes/Anthracenes	ug/kg	21.2	< 0.3 U	< 0.3 U	23.4	< 0.3 U	< 0.3 U	40.8
C3-Chrysenes	ug/kg	9.14	< 0.2 U	< 0.2 U	14.5	< 0.2 U	< 0.2 U	86.6
C3-Fluorenes	ug/kg	16.3	< 0.4 U	< 0.4 U	20.7	< 0.4 U	< 0.4 U	25.4
C3-Naphthalenes	ug/kg	32.0	1.32	< 0.7 U	17.1	3.17	< 0.7 U	29.8
C3-Phenanthrenes/Anthracenes	ug/kg	16.2	< 0.3 U	< 0.3 U	19.4	< 0.3 U	< 0.3 U	63.9
C4-Chrysenes	ug/kg	6.69	< 0.2 U	< 0.2 U	9.04	< 0.2 U	< 0.2 U	49.2
C4-Naphthalenes	ug/kg	18.1	2.41	< 0.7 U	21.0	2.77	< 0.7 U	11.8
C4-Phenanthrenes/Anthracenes	ug/kg	20.1	< 0.3 U	< 0.3 U	17.6	< 0.3 U	< 0.3 U	52.8
Perylene	ug/kg	655 EJ	148	75.7	917 EJ	746 EJ	126	935 EJ
Phenanthrene, 2-methyl-	ug/kg	6.15	NA	NA	4.82	NA	NA	5.63
1,1-Biphenyl	ug/kg	4.94	NA	NA	3.66	NA	NA	3.84
18a-Oleanane	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	< 0.6 U
1-Methyldibenzothiophene(1MDT)	ug/kg	0.80	NA	NA	1.21	NA	NA	0.97
1-Methylfluorene	ug/kg	3.52	NA	NA	3.10	NA	NA	3.39
1-Methylphenanthrene	ug/kg	4.03	NA	NA	2.99	NA	NA	3.42
2,3,5-Trimethylnaphthalene	ug/kg	3.83	NA	NA	2.16	NA	NA	1.63
2/3-Methyldibenzothiophene(2MDT)	ug/kg	2.55	NA	NA	2.83	NA	NA	2.25
2-Methylantracene	ug/kg	4.69	NA	NA	5.55	NA	NA	5.33
2-Methylfluoranthene	ug/kg	2.54	NA	NA	4.37	NA	NA	3.66
3,6-Dimethylphenanthrene	ug/kg	1.41	NA	NA	1.71	NA	NA	2.55
3-Methylphenanthrene (3MP)	ug/kg	5.86	NA	NA	5.92	NA	NA	6.31

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-033 0-0.5 ft 7/27/2013 SED-DA-033(0.0-0.5) Tier II	SED-DA-033 0.5-1 ft 7/27/2013 SED-DA-033(0.5-1.0) Tier II	SED-DA-033 1-1.5 ft 7/27/2013 SED-DA-033(1.0-1.5) Tier II	SED-DA-034 0-0.5 ft 7/27/2013 SED-DA-034(0.0-0.5) Tier II	SED-DA-034 0.5-1 ft 7/27/2013 SED-DA-034(0.5-1.0) Tier II	SED-DA-034 1-1.5 ft 7/27/2013 SED-DA-034(1.0-1.5) Tier II	SED-DA-035 0-0.5 ft 7/27/2013 SED-DA-035(0.0-0.5) Tier II
Chemical	Units							
4-Methyldibenzothiophene(4MDT)	ug/kg	2.77	NA	NA	3.45	NA	NA	2.92
9/4-Methylphenanthrene (9MP)	ug/kg	3.59	NA	NA	4.14	NA	NA	4.93
Benzo(a)Fluoranthene	ug/kg	3.63	NA	NA	12.9	NA	NA	5.02
Benzo(b)fluorene	ug/kg	4.57	NA	NA	8.30	NA	NA	6.76
Benzo(b)thiophene	ug/kg	1.19	NA	NA	0.76	NA	NA	0.493
C1-Benzo(b)thiophenes	ug/kg	< 0.2 U	NA	NA	< 0.2 U	NA	NA	< 0.2 U
C1-Decalins	ug/kg	2.29	NA	NA	1.01	NA	NA	1.33
C1-Dibenzothiophenes	ug/kg	5.11	0.147	< 0.1 U	6.25	0.443	< 0.1 U	5.13
C1-Naphthalenes	ug/kg	9.73	0.561 J	< 1.3 UB	6.06	1.80	0.421 J	6.62
C1-Naphthobenzothiophenes	ug/kg	14.0	NA	NA	22.5	NA	NA	63.4
C20-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	4.38
C21-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	5.73
C26(20R)/C27(20S)-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	15.1
C26(20S)-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	10.5
C27(20R)-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	25.6
C28(20R)-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	44.8
C28(20S)-TAS	ug/kg	< 0.6 U	NA	NA	< 0.6 U	NA	NA	45.5
C29-Hopane	ug/kg	28.4	NA	NA	78.8	NA	NA	185
C2-Benzo(b)thiophenes	ug/kg	< 0.2 U	NA	NA	< 0.2 U	NA	NA	< 0.2 U
C2-Decalins	ug/kg	< 0.3 U	NA	NA	< 0.3 U	NA	NA	< 0.3 U
C2-Dibenzothiophenes	ug/kg	< 0.2 U	< 0.2 U	< 0.2 U	12.5	< 0.2 U	< 0.2 U	17.5
C2-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	< 0.5 U	< 0.5 U	37.5	< 0.5 U	< 0.5 U	48.6
C2-Naphthobenzothiophenes	ug/kg	27.4	NA	NA	36.7	NA	NA	120
C30-Hopane	ug/kg	44.9	NA	NA	98.2	NA	NA	295
C3-Benzo(b)thiophenes	ug/kg	< 0.2 U	NA	NA	< 0.2 U	NA	NA	< 0.2 U
C3-Decalins	ug/kg	< 0.3 U	NA	NA	< 0.3 U	NA	NA	< 0.3 U
C3-Dibenzothiophenes	ug/kg	< 0.2 U	< 0.2 U	< 0.2 U	15.3	< 0.2 U	< 0.2 U	37.0
C3-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	< 0.5 U	< 0.5 U	20.2	< 0.5 U	< 0.5 U	48.2
C3-Naphthobenzothiophenes	ug/kg	27.2	NA	NA	31.6	NA	NA	129
C4-Benzo(b)thiophenes	ug/kg	< 0.2 U	NA	NA	< 0.2 U	NA	NA	< 0.2 U
C4-Decalins	ug/kg	< 0.3 U	NA	NA	< 0.3 U	NA	NA	< 0.3 U
C4-Dibenzothiophenes	ug/kg	< 0.2 U	< 0.2 U	< 0.2 U	14.3	< 0.2 U	< 0.2 U	40.6
C4-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	< 0.5 U	< 0.5 U	32.7	< 0.5 U	< 0.5 U	74.5
C4-Naphthobenzothiophenes	ug/kg	10.8	NA	NA	12.9	NA	NA	67.8
Carbazole	ug/kg	2.69	NA	NA	3.79	NA	NA	2.83
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	4.63	NA	NA	5.09	NA	NA	4.96
Dibenzofuran	ug/kg	6.97	NA	NA	5.20	NA	NA	7.72
Dibenzothiophene	ug/kg	4.23	0.188	0.087 J	4.83	0.732	< 0.1 U	4.19
Naphthalene, 2,6-dimethyl-	ug/kg	9.56	NA	NA	6.09	NA	NA	7.09
Naphthobenzothiophene	ug/kg	11.0	NA	NA	14.9	NA	NA	22.2
Retene	ug/kg	26.9	NA	NA	8.20	NA	NA	4.32

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-033 0-0.5 ft 7/27/2013 SED-DA-033(0.0-0.5) Tier II	SED-DA-033 0.5-1 ft 7/27/2013 SED-DA-033(0.5-1.0) Tier II	SED-DA-033 1-1.5 ft 7/27/2013 SED-DA-033(1.0-1.5) Tier II	SED-DA-034 0-0.5 ft 7/27/2013 SED-DA-034(0.0-0.5) Tier II	SED-DA-034 0.5-1 ft 7/27/2013 SED-DA-034(0.5-1.0) Tier II	SED-DA-034 1-1.5 ft 7/27/2013 SED-DA-034(1.0-1.5) Tier II	SED-DA-035 0-0.5 ft 7/27/2013 SED-DA-035(0.0-0.5) Tier II
Chemical	Units							
TPH								
EOM (Extracted Organic Material)	mg/kg	991	NA	NA	2033	NA	NA	2543
i-C15	mg/kg	0.014 J	NA	NA	0.020	NA	NA	0.016 J
i-C16	mg/kg	0.015	NA	NA	0.044	NA	NA	0.063
i-C18	mg/kg	0.026	NA	NA	0.024	NA	NA	0.031
n-C10 (n-Decane)	mg/kg	0.010 J	NA	NA	0.009 J	NA	NA	0.013 J
n-C11 (n-Undecane)	mg/kg	0.015 J	NA	NA	0.016 J	NA	NA	0.023
n-C12 (n-Dodecane)	mg/kg	0.048	NA	NA	0.027	NA	NA	0.072
n-C13 (n-Tridecane)	mg/kg	0.023 J	NA	NA	0.021 J	NA	NA	0.045 J
n-C14 (n-Tetradecane)	mg/kg	0.045	NA	NA	0.029	NA	NA	0.079
n-C15 (Pentadecane)	mg/kg	0.204	NA	NA	0.664	NA	NA	0.048
n-C16 (n-Hexadecane)	mg/kg	0.089	NA	NA	0.127	NA	NA	0.137
n-C17 (Heptadecane)	mg/kg	0.138	NA	NA	0.237	NA	NA	0.253
n-C18 (Octadecane)	mg/kg	0.244	NA	NA	0.469	NA	NA	0.485
n-C19 (Nonadecane)	mg/kg	0.351	NA	NA	0.643	NA	NA	0.696
n-C20 (Eicosane)	mg/kg	0.125	NA	NA	0.262	NA	NA	0.160
n-C21 (Heneicosane)	mg/kg	0.505	NA	NA	1.69	NA	NA	1.23
n-C22 (Docosane)	mg/kg	0.172	NA	NA	0.277	NA	NA	0.176
n-C23 (Tricosane)	mg/kg	0.467	NA	NA	1.17	NA	NA	0.840
n-C24 (Tetracosane)	mg/kg	0.204	NA	NA	0.353	NA	NA	0.269
n-C25 (Pentacosane)	mg/kg	0.456	NA	NA	0.954	NA	NA	0.790
n-C26 (Hexacosane)	mg/kg	0.157	NA	NA	0.262	NA	NA	0.173
n-C27 (Heptacosane)	mg/kg	1.16	NA	NA	1.88	NA	NA	1.35
n-C28 (Octacosane)	mg/kg	0.442	NA	NA	0.861	NA	NA	0.456
n-C29 (Nonacosane)	mg/kg	3.49	NA	NA	7.70	NA	NA	2.70
n-C30 (n-Triacontane)	mg/kg	0.321	NA	NA	0.751	NA	NA	0.234
n-C31 (Hentriacontane)	mg/kg	3.54	NA	NA	9.18	NA	NA	2.75
n-C32 (Dotriacontane)	mg/kg	0.626	NA	NA	0.837	NA	NA	0.154
n-C33	mg/kg	5.05	NA	NA	13.8	NA	NA	4.70
n-C34 (Tetratriacontane)	mg/kg	0.448	NA	NA	1.21	NA	NA	0.447
n-C35	mg/kg	3.41	NA	NA	10.5	NA	NA	3.86
n-C36 (Hexatriacontane)	mg/kg	0.187	NA	NA	0.511	NA	NA	0.291
n-C37	mg/kg	0.972	NA	NA	1.94	NA	NA	0.746
n-C38 (Octatriacontane)	mg/kg	0.083	NA	NA	0.162	NA	NA	0.151
n-C39 (Nonatriacontane)	mg/kg	0.085	NA	NA	0.160	NA	NA	0.151
n-C40 (Tetracontane)	mg/kg	0.092	NA	NA	0.087	NA	NA	< 0.019 U
n-C9 (Nonane)	mg/kg	< 0.012 U	NA	NA	< 0.012 U	NA	NA	< 0.012 U
Phytane (Hexadecane, 2,6,10,14-tetramethyl-)	mg/kg	0.076	NA	NA	0.129	NA	NA	0.079
Pristane (2,6,10,14-Tetramethylpentadecane)	mg/kg	0.055	NA	NA	0.055	NA	NA	0.062
Total Alkanes	mg/kg	23.3	NA	NA	57.1	NA	NA	23.7
Total Petroleum Hydrocarbons	mg/kg	303	NA	NA	558	NA	NA	738

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-033 0-0.5 ft 7/27/2013 SED-DA-033(0.0-0.5) Tier II	SED-DA-033 0.5-1 ft 7/27/2013 SED-DA-033(0.5-1.0) Tier II	SED-DA-033 1-1.5 ft 7/27/2013 SED-DA-033(1.0-1.5) Tier II	SED-DA-034 0-0.5 ft 7/27/2013 SED-DA-034(0.0-0.5) Tier II	SED-DA-034 0.5-1 ft 7/27/2013 SED-DA-034(0.5-1.0) Tier II	SED-DA-034 1-1.5 ft 7/27/2013 SED-DA-034(1.0-1.5) Tier II	SED-DA-035 0-0.5 ft 7/27/2013 SED-DA-035(0.0-0.5) Tier II
Chemical	Units							
Total Resolvable Hydrocarbons	mg/kg	161	NA	NA	319	NA	NA	147
Unresolved Complex Mixture	mg/kg	142	NA	NA	239	NA	NA	591
VOCs								
1,1,1,2-Tetrachloroethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,1,1-Trichloroethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,1,2,2-Tetrachloroethane	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
1,1,2-Trichloroethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 15 U	< 12 U	< 12 U	< 30 U	< 15 U	< 12 U	< 47 U
1,1-Dichloroethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,1-Dichloroethene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,1-Dichloropropene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,2,3-Trichlorobenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
1,2,3-Trichloropropane	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
1,2,4-Trichlorobenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
1,2,4-Trimethylbenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
1,2-Dibromoethane (EDB)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ
1,2-Dichlorobenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
1,2-Dichloroethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,2-Dichloropropane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,3,5-Trimethylbenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
1,3-Dichlorobenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
1,3-Dichloropropane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
1,4-Dichlorobenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
2,2-Dichloropropane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
2-Butanone (MEK)	ug/kg	6 J	< 12 U	< 12 U	14 J	< 15 U	< 12 U	< 47 UJ
2-Chlorotoluene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
2-Phenylbutane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
4-Chlorotoluene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 15 U	< 12 U	< 12 U	< 30 U	< 15 U	< 12 U	< 47 UJ
Acetone	ug/kg	34	21 J	< 24 U	78	19 J	9 J	100
Allyl chloride	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Benzene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Bromobenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
Bromochloromethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Bromodichloromethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Bromoform (Tribromomethane)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ
Bromomethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Carbon Tetrachloride	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Chlorobenzene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Chloroethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-033 0-0.5 ft 7/27/2013 SED-DA-033(0.0-0.5) Tier II	SED-DA-033 0.5-1 ft 7/27/2013 SED-DA-033(0.5-1.0) Tier II	SED-DA-033 1-1.5 ft 7/27/2013 SED-DA-033(1.0-1.5) Tier II	SED-DA-034 0-0.5 ft 7/27/2013 SED-DA-034(0.0-0.5) Tier II	SED-DA-034 0.5-1 ft 7/27/2013 SED-DA-034(0.5-1.0) Tier II	SED-DA-034 1-1.5 ft 7/27/2013 SED-DA-034(1.0-1.5) Tier II	SED-DA-035 0-0.5 ft 7/27/2013 SED-DA-035(0.0-0.5) Tier II
Chemical	Units							
Chloroform	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Chloromethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
cis-1,2-Dichloroethene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
cis-1,3-Dichloropropene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Dibromochloromethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ
Dibromomethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ
Dichlorodifluoromethane (CFC-12)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ
Dichlorofluoromethane	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Diethyl ether (Ethyl ether)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Ethylbenzene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Hexachloro-1,3-Butadiene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
Isopropylbenzene (Cumene)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 UJ
Methylene Chloride (Dichloromethane)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Methyl-tert-butyl ether	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
n-Butylbenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 UJ
n-Propylbenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
p-Isopropyltoluene (Cymene)	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
Styrene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Tert-Butylbenzene	ug/kg	< 8 UJ	< 6 U	< 6 U	< 15 UJ	< 7 U	< 6 U	< 24 U
Tetrachloroethene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Tetrahydrofuran	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Toluene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
trans-1,2-Dichloroethene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
trans-1,3-Dichloropropene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Trichloroethene	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Vinyl Chloride	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U
Xylene (Total)	ug/kg	< 8 U	< 6 U	< 6 U	< 15 U	< 7 U	< 6 U	< 24 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-035 0.5-1 ft 7/27/2013 SED-DA-035(0.5-1.0) Tier II	SED-DA-035 1-1.5 ft 7/27/2013 SED-DA-035(1.0-1.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-036(0.0-0.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-DUP-01-072813 Tier II	SED-DA-036 0.5-1 ft 7/28/2013 SED-DA-036(0.5-1.0) Tier II	SED-DA-036 1-1.5 ft 7/28/2013 SED-DA-036(1.0-1.5) Tier II	SED-DA-037 0-0.5 ft 7/28/2013 SED-DA-037(0.0-0.5) Tier II
Chemical	Units							
Grain Size								
Sieve 3 inch, % passing	% passing	NA	NA	100	NA	NA	NA	100
Sieve 1.5 inch, % passing	% passing	NA	NA	100	NA	NA	NA	100
Sieve 0.75 inch, % passing	% passing	NA	NA	100	NA	NA	NA	100
Sieve, 4750 micron, % passing	% passing	NA	NA	100	NA	NA	NA	100
Sieve, 3350 micron, % passing	% passing	NA	NA	100	NA	NA	NA	100
Sieve, 2360 micron, % passing	% passing	NA	NA	99.8	NA	NA	NA	99.8
Sieve, 1180 micron, % passing	% passing	NA	NA	99.5	NA	NA	NA	98.3
Sieve, 600 micron, % passing	% passing	NA	NA	96.5	NA	NA	NA	94.1
Sieve, 300 micron, % passing	% passing	NA	NA	93.8	NA	NA	NA	92.6
Sieve, 150 micron, % passing	% passing	NA	NA	92.3	NA	NA	NA	91.5
Sieve, 75 micron, % passing	% passing	NA	NA	91.2	NA	NA	NA	90.0
Sieve, 64 micron, % passing	% passing	NA	NA	88.0	NA	NA	NA	86.0
Sieve, 50 micron, % passing	% passing	NA	NA	83.0	NA	NA	NA	76.0
Sieve, 20 micron, % passing	% passing	NA	NA	64.0	NA	NA	NA	53.0
Sieve, 5 micron, % passing	% passing	NA	NA	38.0	NA	NA	NA	30.5
Sieve, 2 micron, % passing	% passing	NA	NA	26.0	NA	NA	NA	21.0
Sieve, 1 micron, % passing	% passing	NA	NA	21.0	NA	NA	NA	18.0
Metals								
Arsenic	mg/kg	2.37 J	1.81 J	7.42	3.66	3.09	2.45 J	8.37
Barium	mg/kg	140	96.2	142 J	83.6 J	144 J	126 J	154 J
Cadmium	mg/kg	< 0.694 U	< 0.627 U	0.404 J	< 0.772 U	< 0.742 U	< 0.637 U	0.273 J
Chromium	mg/kg	21.9 J	16.6 J	21.1 J	12.3 J	23.6 J	24.4 J	24.0 J
Lead	mg/kg	18.8	12.7	27.8 J	14.8 J	17.8 J	15.6 J	30.4 J
Mercury	mg/kg	0.0451 J	0.0353 J	0.0593 J	0.0265 J	0.0436 J	0.0367 J	0.0621 J
Nickel	mg/kg	14.1	8.83	19.4 J	9.76 J	14.8 J	12.8 J	19.9 J
Selenium	mg/kg	< 2.78 U	< 2.51 U	< 5.45 U	< 3.09 U	< 2.97 U	< 2.55 U	< 6.35 U
Silver	mg/kg	< 0.694 U	< 0.627 U	< 1.36 U	< 0.772 U	< 0.742 U	< 0.637 U	< 1.59 U
Vanadium	mg/kg	35.3	27.6	34.7 J	20.1 J	36.8 J	38.6 J	38.3 J
Other								
Black Carbon	%	NA	NA	0.270 J	0.240 J	NA	NA	0.240 J
Percent Moisture	%	29.4	22.6	64.4	37.1	33.3	23.1	68.8
Total Organic Carbon	%	NA	NA	5.48	4.58	NA	NA	4.70
Priority PAHs								
1-Methylnaphthalene	ug/kg	1.59	0.333 J	3.30	2.52	< 0.5 U	0.817	3.98
2-Methylnaphthalene	ug/kg	3.59	0.713 J	7.53	5.88	3.21	1.56	9.53
Acenaphthene	ug/kg	0.929	0.190	2.63	1.85	0.600	0.446	2.62
Acenaphthylene	ug/kg	0.798	0.110	8.28	5.59	0.313	0.284	16.0
Anthracene	ug/kg	1.69	0.214	15.3	9.94	0.953	0.881	26.8
Benzo(a)Anthracene	ug/kg	1.85	0.226	18.7	13.8	0.832	2.01	38.0
Benzo(a)Pyrene	ug/kg	1.92	< 0.1 U	16.3	13.2	< 0.1 U	1.17	30.6

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-035 0.5-1 ft 7/27/2013 SED-DA-035(0.5-1.0) Tier II	SED-DA-035 1-1.5 ft 7/27/2013 SED-DA-035(1.0-1.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-036(0.0-0.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-DUP-01-072813 Tier II	SED-DA-036 0.5-1 ft 7/28/2013 SED-DA-036(0.5-1.0) Tier II	SED-DA-036 1-1.5 ft 7/28/2013 SED-DA-036(1.0-1.5) Tier II	SED-DA-037 0-0.5 ft 7/28/2013 SED-DA-037(0.0-0.5) Tier II
Chemical	Units							
Benzo(b)Fluoranthene	ug/kg	7.60	0.463	60.7	43.7	3.41	1.97	103
Benzo(g,h,i)Perylene	ug/kg	2.89	0.26	24.0	18.7	< 0.1 U	0.942	37.2
Benzo(j)+(k)Fluoranthene	ug/kg	1.76	0.088 J	20.4	15.2	0.752	0.920	36.2
Chrysene/Triphenylene	ug/kg	4.94	0.289	31.8	23.2	3.55	2.44	49.4
Dibenz(a,h)Anthracene	ug/kg	10.1	< 0.1 U	10.1 J	< 0.1 UJ	< 0.1 U	0.347	13.0
Fluoranthene	ug/kg	6.11	1.41	44.1	30.3	4.80	6.37	74.9
Fluorene	ug/kg	7.67	< 0.2 U	12.5	9.29	7.91	5.47	13.8
Indeno[1,2,3-cd]pyrene	ug/kg	2.48	< 0.1 U	21.9	15.2	< 0.1 U	0.853	39.4
Naphthalene	ug/kg	4.04	< 1.20 UB	8.65	5.87	3.57	2.07	10.2
Phenanthrene	ug/kg	20.5	6.79	23.1	19.2	26.4	18.8	30.4
Pyrene	ug/kg	5.52	1.04	43.0	29.5	2.81	4.59	70.0
Forensic PAHs								
Benzo(e)Pyrene	ug/kg	3.48	< 0.2 U	30.8	21.4	< 0.2 U	1.24	50.3
C1-Chrysenes	ug/kg	< 0.2 U	< 0.2 U	6.56	5.58	< 0.2 U	< 0.2 U	20.8
C1-Fluoranthenes/Pyrenes	ug/kg	4.98	0.475	37.9	28.7	2.38	3.13	49.9
C1-Fluorenes	ug/kg	3.03	0.831	7.19	5.66	3.25	< 0.4 U	8.13
C1-Phenanthrenes/Anthracenes	ug/kg	7.16	3.17	17.8	14.6	7.88	6.70	22.1
C2-Chrysenes	ug/kg	< 0.2 U	< 0.2 U	10.2	11.2	< 0.2 U	< 0.2 U	17.1
C2-Fluorenes	ug/kg	6.98	< 0.4 U	17.4	12.9	4.76	< 0.4 U	28.4
C2-Naphthalenes	ug/kg	6.08	1.10	14.9	11.7	7.72	< 0.7 U	15.5
C2-Phenanthrenes/Anthracenes	ug/kg	8.38	< 0.3 U	25.8	19.0	5.82	7.51	29.7
C3-Chrysenes	ug/kg	< 0.2 U	< 0.2 U	19.4	16.6	< 0.2 U	< 0.2 U	17.2
C3-Fluorenes	ug/kg	7.09	< 0.4 U	18.5	20.3	5.64	< 0.4 U	21.7
C3-Naphthalenes	ug/kg	19.7	2.78	14.7	11.4	29.5	< 0.7 U	15.1
C3-Phenanthrenes/Anthracenes	ug/kg	5.07	< 0.3 U	30.2	20.4	1.61	4.38	29.6
C4-Chrysenes	ug/kg	< 0.2 U	< 0.2 U	10.3	12.2	< 0.2 U	< 0.2 U	< 0.2 U
C4-Naphthalenes	ug/kg	5.61	2.10	18.1	12.2	17.1	< 0.7 U	11.8
C4-Phenanthrenes/Anthracenes	ug/kg	4.50	< 0.3 U	22.5	17.9	1.53	3.94	20.2
Perylene	ug/kg	968 EJ	461 EJ	1018 EJ	736 EJ	826 EJ	190	755 EJ
Phenanthrene, 2-methyl-	ug/kg	NA	NA	5.90	5.11	NA	NA	6.99
1,1-Biphenyl	ug/kg	NA	NA	4.06	3.77	NA	NA	4.00
18a-Oleanane	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
1-Methyldibenzothiophene(1MDT)	ug/kg	NA	NA	1.14	0.74	NA	NA	1.37
1-Methylfluorene	ug/kg	NA	NA	3.63	2.93	NA	NA	3.62
1-Methylphenanthrene	ug/kg	NA	NA	3.20	2.84	NA	NA	4.01
2,3,5-Trimethylnaphthalene	ug/kg	NA	NA	2.39	1.60	NA	NA	2.90
2/3-Methyldibenzothiophene(2MDT)	ug/kg	NA	NA	3.14	2.45	NA	NA	3.20
2-Methylantracene	ug/kg	NA	NA	6.30	5.31	NA	NA	8.84
2-Methylfluoranthene	ug/kg	NA	NA	6.01	4.12	NA	NA	9.34
3,6-Dimethylphenanthrene	ug/kg	NA	NA	2.82	2.01	NA	NA	2.70
3-Methylphenanthrene (3MP)	ug/kg	NA	NA	6.84	5.41	NA	NA	8.25

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-035 0.5-1 ft 7/27/2013 SED-DA-035(0.5-1.0) Tier II	SED-DA-035 1-1.5 ft 7/27/2013 SED-DA-035(1.0-1.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-036(0.0-0.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-DUP-01-072813 Tier II	SED-DA-036 0.5-1 ft 7/28/2013 SED-DA-036(0.5-1.0) Tier II	SED-DA-036 1-1.5 ft 7/28/2013 SED-DA-036(1.0-1.5) Tier II	SED-DA-037 0-0.5 ft 7/28/2013 SED-DA-037(0.0-0.5) Tier II
Chemical	Units							
4-Methyldibenzothiophene(4MDT)	ug/kg	NA	NA	3.86	3.06	NA	NA	3.84
9/4-Methylphenanthrene (9MP)	ug/kg	NA	NA	5.17	3.92	NA	NA	6.07
Benzo(a)Fluoranthene	ug/kg	NA	NA	< 0.1 UJ	10.0 J	NA	NA	< 0.1 U
Benzo(b)fluorene	ug/kg	NA	NA	11.5	8.24	NA	NA	11.8
Benzo(b)thiophene	ug/kg	NA	NA	0.817 J	0.495 J	NA	NA	0.652
C1-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U
C1-Decalins	ug/kg	NA	NA	< 0.3 U	< 0.3 U	NA	NA	< 0.3 U
C1-Dibenzothiophenes	ug/kg	1.43	< 0.1 U	6.80	5.22	1.46	< 0.1 U	7.03
C1-Naphthalenes	ug/kg	3.18	0.642 J	6.66	5.16	2.02	1.45	8.31
C1-Naphthobenzothiophenes	ug/kg	NA	NA	27.1	20.2	NA	NA	24.1
C20-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C21-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C26(20R)/C27(20S)-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C26(20S)-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C27(20R)-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C28(20R)-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C28(20S)-TAS	ug/kg	NA	NA	< 0.6 U	< 0.6 U	NA	NA	< 0.6 U
C29-Hopane	ug/kg	NA	NA	56.8	73.0	NA	NA	154
C2-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U
C2-Decalins	ug/kg	NA	NA	< 0.3 U	< 0.3 U	NA	NA	< 0.3 U
C2-Dibenzothiophenes	ug/kg	2.20	< 0.2 U	16.1	10.6	0.935	1.31	14.8
C2-Fluoranthenes/Pyrenes	ug/kg	7.92	< 0.5 U	44.1	35.2	< 0.5 U	4.01	46.0
C2-Naphthobenzothiophenes	ug/kg	NA	NA	47.4	39.3	NA	NA	37.6
C30-Hopane	ug/kg	NA	NA	131	101	NA	NA	158
C3-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U
C3-Decalins	ug/kg	NA	NA	< 0.3 U	< 0.3 U	NA	NA	< 0.3 U
C3-Dibenzothiophenes	ug/kg	3.67	< 0.2 U	18.1	13.9	0.497	1.54	15.1
C3-Fluoranthenes/Pyrenes	ug/kg	5.71	< 0.5 U	24.6	15.5	< 0.5 U	2.02	21.8
C3-Naphthobenzothiophenes	ug/kg	NA	NA	44.1	35.9	NA	NA	38.7
C4-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U
C4-Decalins	ug/kg	NA	NA	< 0.3 U	< 0.3 U	NA	NA	< 0.3 U
C4-Dibenzothiophenes	ug/kg	1.73	< 0.2 U	22.0	14.6	0.690	0.936	17.9
C4-Fluoranthenes/Pyrenes	ug/kg	10.2	< 0.5 U	49.2	36.0	< 0.5 U	3.83	23.5
C4-Naphthobenzothiophenes	ug/kg	NA	NA	14.9	13.4	NA	NA	15.7
Carbazole	ug/kg	NA	NA	5.60	4.18	NA	NA	8.66
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	< 0.1 U	< 0.1 U	NA	NA	< 0.1 U
Dibenzofuran	ug/kg	NA	NA	6.17	4.68	NA	NA	7.38
Dibenzothiophene	ug/kg	1.76	0.287	5.94	4.73	2.16	< 0.1 U	5.47
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	6.79	4.90	NA	NA	8.52
Naphthobenzothiophene	ug/kg	NA	NA	15.2	11.3	NA	NA	17.2
Retene	ug/kg	NA	NA	12.7	7.68	NA	NA	7.92

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-035 0.5-1 ft 7/27/2013 SED-DA-035(0.5-1.0) Tier II	SED-DA-035 1-1.5 ft 7/27/2013 SED-DA-035(1.0-1.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-036(0.0-0.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-DUP-01-072813 Tier II	SED-DA-036 0.5-1 ft 7/28/2013 SED-DA-036(0.5-1.0) Tier II	SED-DA-036 1-1.5 ft 7/28/2013 SED-DA-036(1.0-1.5) Tier II	SED-DA-037 0-0.5 ft 7/28/2013 SED-DA-037(0.0-0.5) Tier II
Chemical	Units							
TPH								
EOM (Extracted Organic Material)	mg/kg	NA	NA	2544	1555	NA	NA	2387
i-C15	mg/kg	NA	NA	0.031	0.028	NA	NA	0.026
i-C16	mg/kg	NA	NA	0.070	0.094	NA	NA	0.109
i-C18	mg/kg	NA	NA	0.052	0.043	NA	NA	0.031
n-C10 (n-Decane)	mg/kg	NA	NA	0.013 J	0.011 J	NA	NA	0.020 J
n-C11 (n-Undecane)	mg/kg	NA	NA	0.019	0.020	NA	NA	0.034
n-C12 (n-Dodecane)	mg/kg	NA	NA	0.034	0.035	NA	NA	0.055
n-C13 (n-Tridecane)	mg/kg	NA	NA	0.025 J	0.024 J	NA	NA	0.049
n-C14 (n-Tetradecane)	mg/kg	NA	NA	0.046	0.046	NA	NA	0.069
n-C15 (Pentadecane)	mg/kg	NA	NA	0.543	0.536	NA	NA	0.369
n-C16 (n-Hexadecane)	mg/kg	NA	NA	0.084	0.089	NA	NA	0.133
n-C17 (Heptadecane)	mg/kg	NA	NA	0.959	0.647	NA	NA	2.74
n-C18 (Octadecane)	mg/kg	NA	NA	0.621	0.560	NA	NA	1.01
n-C19 (Nonadecane)	mg/kg	NA	NA	1.12	0.905	NA	NA	1.42
n-C20 (Eicosane)	mg/kg	NA	NA	0.403	0.353	NA	NA	0.602
n-C21 (Heneicosane)	mg/kg	NA	NA	2.18	1.95	NA	NA	3.32
n-C22 (Docosane)	mg/kg	NA	NA	0.203	0.323	NA	NA	0.475
n-C23 (Tricosane)	mg/kg	NA	NA	1.70	1.45	NA	NA	3.20
n-C24 (Tetracosane)	mg/kg	NA	NA	0.474	0.407	NA	NA	0.723
n-C25 (Pentacosane)	mg/kg	NA	NA	1.56	1.26	NA	NA	3.29
n-C26 (Hexacosane)	mg/kg	NA	NA	0.481	0.310	NA	NA	0.867
n-C27 (Heptacosane)	mg/kg	NA	NA	3.05	2.51	NA	NA	5.89
n-C28 (Octacosane)	mg/kg	NA	NA	1.11	0.965	NA	NA	0.610
n-C29 (Nonacosane)	mg/kg	NA	NA	2.56 J	7.18 J	NA	NA	6.57
n-C30 (n-Triacontane)	mg/kg	NA	NA	1.00	0.962	NA	NA	0.687
n-C31 (Hentriacontane)	mg/kg	NA	NA	10.7	9.99	NA	NA	7.45
n-C32 (Dotriacontane)	mg/kg	NA	NA	0.761	0.983	NA	NA	1.38
n-C33	mg/kg	NA	NA	15.8	11.4	NA	NA	10.4
n-C34 (Tetratriacontane)	mg/kg	NA	NA	0.558 J	1.33 J	NA	NA	1.36
n-C35	mg/kg	NA	NA	8.67	7.25	NA	NA	9.55
n-C36 (Hexatriacontane)	mg/kg	NA	NA	0.605	0.964	NA	NA	0.619
n-C37	mg/kg	NA	NA	2.05	1.95	NA	NA	1.49
n-C38 (Octatriacontane)	mg/kg	NA	NA	0.236	0.206	NA	NA	0.236
n-C39 (Nonatriacontane)	mg/kg	NA	NA	0.238	0.215	NA	NA	0.315
n-C40 (Tetracontane)	mg/kg	NA	NA	< 0.019 U	< 0.019 U	NA	NA	< 0.019 U
n-C9 (Nonane)	mg/kg	NA	NA	< 0.012 U	< 0.012 U	NA	NA	< 0.012 U
Phytane (Hexadecane, 2,6,10,14-tetramethyl-)	mg/kg	NA	NA	0.230	0.169	NA	NA	0.451
Pristane (2,6,10,14-Tetramethylpentadecane)	mg/kg	NA	NA	0.071	0.052	NA	NA	0.119
Total Alkanes	mg/kg	NA	NA	58.3	55.2	NA	NA	65.7
Total Petroleum Hydrocarbons	mg/kg	NA	NA	798	503	NA	NA	705

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-035 0.5-1 ft 7/27/2013 SED-DA-035(0.5-1.0) Tier II	SED-DA-035 1-1.5 ft 7/27/2013 SED-DA-035(1.0-1.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-036(0.0-0.5) Tier II	SED-DA-036 0-0.5 ft 7/28/2013 SED-DA-DUP-01-072813 Tier II	SED-DA-036 0.5-1 ft 7/28/2013 SED-DA-036(0.5-1.0) Tier II	SED-DA-036 1-1.5 ft 7/28/2013 SED-DA-036(1.0-1.5) Tier II	SED-DA-037 0-0.5 ft 7/28/2013 SED-DA-037(0.0-0.5) Tier II
Chemical	Units							
Total Resolvable Hydrocarbons	mg/kg	NA	NA	354 J	291 J	NA	NA	364
Unresolved Complex Mixture	mg/kg	NA	NA	444	213	NA	NA	340
VOCs								
1,1,1,2-Tetrachloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,1,1-Trichloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,1,2,2-Tetrachloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,1,2-Trichloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 13 U	< 11 U	< 34 U	< 24 U	< 14 U	< 11 U	< 49 U
1,1-Dichloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,1-Dichloroethene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,1-Dichloropropene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2,3-Trichlorobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2,3-Trichloropropane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2,4-Trichlorobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2,4-Trimethylbenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2-Dibromoethane (EDB)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2-Dichlorobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2-Dichloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,2-Dichloropropane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,3,5-Trimethylbenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,3-Dichlorobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,3-Dichloropropane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
1,4-Dichlorobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
2,2-Dichloropropane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
2-Butanone (MEK)	ug/kg	< 13 U	< 11 U	< 34 U	< 24 U	< 14 U	< 11 U	< 49 U
2-Chlorotoluene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
2-Phenylbutane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
4-Chlorotoluene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 13 U	< 11 U	< 34 U	< 24 U	< 14 U	< 11 U	< 49 U
Acetone	ug/kg	14 J	10 J	69	40 J	27 J	13 J	100
Allyl chloride	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Benzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Bromobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Bromochloromethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Bromodichloromethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Bromoform (Tribromomethane)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Bromomethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Carbon Tetrachloride	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Chlorobenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Chloroethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-035	SED-DA-035	SED-DA-036	SED-DA-036	SED-DA-036	SED-DA-036	SED-DA-037
		0.5-1 ft 7/27/2013 SED-DA-035(0.5-1.0) Tier II	1-1.5 ft 7/27/2013 SED-DA-035(1.0-1.5) Tier II	0-0.5 ft 7/28/2013 SED-DA-036(0.0-0.5) Tier II	0-0.5 ft 7/28/2013 SED-DA-DUP-01-072813 Tier II	0.5-1 ft 7/28/2013 SED-DA-036(0.5-1.0) Tier II	1-1.5 ft 7/28/2013 SED-DA-036(1.0-1.5) Tier II	0-0.5 ft 7/28/2013 SED-DA-037(0.0-0.5) Tier II
Units								
Chloroform	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Chloromethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
cis-1,2-Dichloroethene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
cis-1,3-Dichloropropene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Dibromochloromethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Dibromomethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Dichlorofluoromethane	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Diethyl ether (Ethyl ether)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Ethylbenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Hexachloro-1,3-Butadiene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Isopropylbenzene (Cumene)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Methylene Chloride (Dichloromethane)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Methyl-tert-butyl ether	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
n-Butylbenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
n-Propylbenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
p-Isopropyltoluene (Cymene)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Styrene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Tert-Butylbenzene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Tetrachloroethene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Tetrahydrofuran	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Toluene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
trans-1,2-Dichloroethene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
trans-1,3-Dichloropropene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Trichloroethene	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Vinyl Chloride	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U
Xylene (Total)	ug/kg	< 6 U	< 6 U	< 17 U	< 12 U	< 7 U	< 6 U	< 24 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-037 0.5-1 ft 7/28/2013 SED-DA-037(0.5-1.0) Tier II	SED-DA-037 1-1.5 ft 7/28/2013 SED-DA-037(1.0-1.5) Tier II	SED-DA-038 0-0.5 ft 7/28/2013 SED-DA-038(0.0-0.5) Tier II	SED-DA-038 0.5-1 ft 7/28/2013 SED-DA-038(0.5-1.0) Tier II	SED-DA-038 1-1.5 ft 7/28/2013 SED-DA-038(1.0-1.5) Tier II
Chemical	Units					
Grain Size						
Sieve 3 inch, % passing	% passing	NA	NA	100	NA	NA
Sieve 1.5 inch, % passing	% passing	NA	NA	100	NA	NA
Sieve 0.75 inch, % passing	% passing	NA	NA	100	NA	NA
Sieve, 4750 micron, % passing	% passing	NA	NA	100	NA	NA
Sieve, 3350 micron, % passing	% passing	NA	NA	100	NA	NA
Sieve, 2360 micron, % passing	% passing	NA	NA	100	NA	NA
Sieve, 1180 micron, % passing	% passing	NA	NA	99.9	NA	NA
Sieve, 600 micron, % passing	% passing	NA	NA	91.8	NA	NA
Sieve, 300 micron, % passing	% passing	NA	NA	83.7	NA	NA
Sieve, 150 micron, % passing	% passing	NA	NA	79.2	NA	NA
Sieve, 75 micron, % passing	% passing	NA	NA	77.0	NA	NA
Sieve, 64 micron, % passing	% passing	NA	NA	74.0	NA	NA
Sieve, 50 micron, % passing	% passing	NA	NA	65.0	NA	NA
Sieve, 20 micron, % passing	% passing	NA	NA	45.0	NA	NA
Sieve, 5 micron, % passing	% passing	NA	NA	25.0	NA	NA
Sieve, 2 micron, % passing	% passing	NA	NA	17.0	NA	NA
Sieve, 1 micron, % passing	% passing	NA	NA	13.0	NA	NA
Metals						
Arsenic	mg/kg	6.51	2.70 J	9.13	7.33	2.51 J
Barium	mg/kg	203 J	159 J	223 J	142 J	163 J
Cadmium	mg/kg	< 1.04 U	< 0.683 U	0.514 J	0.196 J	< 0.668 U
Chromium	mg/kg	29.8 J	30.2 J	36.9 J	20.4 J	26.7 J
Lead	mg/kg	34.4 J	17.3 J	47.2 J	22.3 J	19.3 J
Mercury	mg/kg	0.0772 J	0.0381 J	0.0868 J	0.0540 J	0.0407 J
Nickel	mg/kg	22.5 J	14.8 J	30.8 J	18.5 J	16.6 J
Selenium	mg/kg	< 4.15 U	< 2.73 U	3.24 J	1.22 J	< 2.67 U
Silver	mg/kg	< 1.04 U	< 0.683 U	< 1.85 U	< 0.743 U	< 0.668 U
Vanadium	mg/kg	52.9 J	48.2 J	59.3 J	37.7 J	44.1 J
Other						
Black Carbon	%	NA	NA	0.310 J	NA	NA
Percent Moisture	%	52.8	28.9	73.2	35.3	28.0
Total Organic Carbon	%	NA	NA	5.67	NA	NA
Priority PAHs						
1-Methylnaphthalene	ug/kg	4.60	< 0.5 U	4.18	2.99	1.26
2-Methylnaphthalene	ug/kg	10.6	3.02	9.55	6.44	2.73
Acenaphthene	ug/kg	3.63	0.462	2.03	1.17	0.310
Acenaphthylene	ug/kg	6.15	0.302	14.3	1.59	0.270
Anthracene	ug/kg	11.4	0.626	24.7	3.06	0.648
Benzo(a)Anthracene	ug/kg	14.7	0.469	30.6	5.01	1.61
Benzo(a)Pyrene	ug/kg	14.3	< 0.1 U	31.1	3.33	0.734

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-037 0.5-1 ft 7/28/2013 SED-DA-037(0.5-1.0) Tier II	SED-DA-037 1-1.5 ft 7/28/2013 SED-DA-037(1.0-1.5) Tier II	SED-DA-038 0-0.5 ft 7/28/2013 SED-DA-038(0.0-0.5) Tier II	SED-DA-038 0.5-1 ft 7/28/2013 SED-DA-038(0.5-1.0) Tier II	SED-DA-038 1-1.5 ft 7/28/2013 SED-DA-038(1.0-1.5) Tier II
Chemical	Units					
Benzo(b)Fluoranthene	ug/kg	51.8	3.26	104	17.5	3.49
Benzo(g,h,i)Perylene	ug/kg	20.6	2.60	33.4	4.70	0.895
Benzo(j)+(k)Fluoranthene	ug/kg	15.4	0.774	36.8	3.12	0.857
Chrysene/Triphenylene	ug/kg	30.2	2.96	45.3	12.6	3.43
Dibenz(a,h)Anthracene	ug/kg	7.90	0.875	12.2	< 0.1 U	0.957
Fluoranthene	ug/kg	33.3	3.45	66.2	13.7	4.89
Fluorene	ug/kg	16.2	6.04	16.2	9.53	4.22
Indeno[1,2,3-cd]pyrene	ug/kg	16.6	< 0.1 U	35.7	5.26	0.827
Naphthalene	ug/kg	10.5	3.84	9.30	8.94	3.71
Phenanthrene	ug/kg	34.8	17.3	42.0	24.6	13.5
Pyrene	ug/kg	37.7	2.01	67.0	10.7	3.13
Forensic PAHs						
Benzo(e)Pyrene	ug/kg	28.3	< 0.2 U	55.6	6.64	1.14
C1-Chrysenes	ug/kg	26.5	< 0.2 U	41.7	17.3	< 0.2 U
C1-Fluoranthenes/Pyrenes	ug/kg	37.7	2.47	48.7	12.4	2.83
C1-Fluorenes	ug/kg	8.15	2.31	8.54	4.86	1.91
C1-Phenanthrenes/Anthracenes	ug/kg	22.6	5.79	25.8	10.7	6.09
C2-Chrysenes	ug/kg	31.9	< 0.2 U	20.7	4.43	< 0.2 U
C2-Fluorenes	ug/kg	23.2	< 0.4 U	31.8	9.67	2.58
C2-Naphthalenes	ug/kg	17.8	4.96	16.2	9.59	3.90
C2-Phenanthrenes/Anthracenes	ug/kg	31.0	< 0.3 U	35.3	12.6	7.96
C3-Chrysenes	ug/kg	31.5	< 0.2 U	25.5	8.29	< 0.2 U
C3-Fluorenes	ug/kg	29.3	< 0.4 U	31.2	9.63	6.29
C3-Naphthalenes	ug/kg	16.3	3.74	16.1	7.95	2.79
C3-Phenanthrenes/Anthracenes	ug/kg	39.3	< 0.3 U	31.9	7.01	2.78
C4-Chrysenes	ug/kg	< 0.2 U	< 0.2 U	15.0	4.25	< 0.2 U
C4-Naphthalenes	ug/kg	13.1	6.33	13.1	5.21	2.61
C4-Phenanthrenes/Anthracenes	ug/kg	33.7	< 0.3 U	32.8	8.89	3.69
Perylene	ug/kg	907 EJ	787 EJ	835 EJ	539	230
Phenanthrene, 2-methyl-	ug/kg	NA	NA	9.22	NA	NA
1,1-Biphenyl	ug/kg	NA	NA	3.73	NA	NA
18a-Oleanane	ug/kg	NA	NA	< 0.6 U	NA	NA
1-Methyldibenzothiophene(1MDT)	ug/kg	NA	NA	1.16	NA	NA
1-Methylfluorene	ug/kg	NA	NA	4.54	NA	NA
1-Methylphenanthrene	ug/kg	NA	NA	4.52	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg	NA	NA	2.93	NA	NA
2/3-Methyldibenzothiophene(2MDT)	ug/kg	NA	NA	3.40	NA	NA
2-Methylantracene	ug/kg	NA	NA	7.67	NA	NA
2-Methylfluoranthene	ug/kg	NA	NA	9.09	NA	NA
3,6-Dimethylphenanthrene	ug/kg	NA	NA	3.22	NA	NA
3-Methylphenanthrene (3MP)	ug/kg	NA	NA	9.98	NA	NA

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-037 0.5-1 ft 7/28/2013 SED-DA-037(0.5-1.0) Tier II	SED-DA-037 1-1.5 ft 7/28/2013 SED-DA-037(1.0-1.5) Tier II	SED-DA-038 0-0.5 ft 7/28/2013 SED-DA-038(0.0-0.5) Tier II	SED-DA-038 0.5-1 ft 7/28/2013 SED-DA-038(0.5-1.0) Tier II	SED-DA-038 1-1.5 ft 7/28/2013 SED-DA-038(1.0-1.5) Tier II
Chemical	Units					
4-Methyldibenzothiophene(4MDT)	ug/kg	NA	NA	3.98	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg	NA	NA	8.50	NA	NA
Benzo(a)Fluoranthene	ug/kg	NA	NA	10.7	NA	NA
Benzo(b)fluorene	ug/kg	NA	NA	13.9	NA	NA
Benzo(b)thiophene	ug/kg	NA	NA	0.55	NA	NA
C1-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	NA	NA
C1-Decalins	ug/kg	NA	NA	< 0.3 U	NA	NA
C1-Dibenzothiophenes	ug/kg	8.54	0.609	7.13	2.78	0.923
C1-Naphthalenes	ug/kg	9.35	1.90	8.44	5.79	2.45
C1-Naphthobenzothiophenes	ug/kg	NA	NA	28.3	NA	NA
C20-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C21-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C26(20S)-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C27(20R)-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C28(20R)-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C28(20S)-TAS	ug/kg	NA	NA	< 0.6 U	NA	NA
C29-Hopane	ug/kg	NA	NA	164	NA	NA
C2-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	NA	NA
C2-Decalins	ug/kg	NA	NA	< 0.3 U	NA	NA
C2-Dibenzothiophenes	ug/kg	< 0.2 U	0.665	15.1	4.21	1.10
C2-Fluoranthenes/Pyrenes	ug/kg	56.4	< 0.5 U	55.1	14.9	3.18
C2-Naphthobenzothiophenes	ug/kg	NA	NA	48.5	NA	NA
C30-Hopane	ug/kg	NA	NA	197	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	NA	NA
C3-Decalins	ug/kg	NA	NA	< 0.3 U	NA	NA
C3-Dibenzothiophenes	ug/kg	< 0.2 U	0.407	16.2	5.77	1.13
C3-Fluoranthenes/Pyrenes	ug/kg	34.0	< 0.5 U	23.5	14.1	1.76
C3-Naphthobenzothiophenes	ug/kg	NA	NA	48.3	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	< 0.2 U	NA	NA
C4-Decalins	ug/kg	NA	NA	< 0.3 U	NA	NA
C4-Dibenzothiophenes	ug/kg	< 0.2 U	0.453	19.5	4.97	0.620
C4-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	< 0.5 U	29.0	12.2	4.03
C4-Naphthobenzothiophenes	ug/kg	NA	NA	19.9	NA	NA
Carbazole	ug/kg	NA	NA	7.99	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	< 0.1 U	NA	NA
Dibenzofuran	ug/kg	NA	NA	8.19	NA	NA
Dibenzothiophene	ug/kg	6.58	1.10	6.48	3.43	1.42
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	8.79	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	16.6	NA	NA
Retene	ug/kg	NA	NA	8.81	NA	NA

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-037 0.5-1 ft 7/28/2013 SED-DA-037(0.5-1.0) Tier II	SED-DA-037 1-1.5 ft 7/28/2013 SED-DA-037(1.0-1.5) Tier II	SED-DA-038 0-0.5 ft 7/28/2013 SED-DA-038(0.0-0.5) Tier II	SED-DA-038 0.5-1 ft 7/28/2013 SED-DA-038(0.5-1.0) Tier II	SED-DA-038 1-1.5 ft 7/28/2013 SED-DA-038(1.0-1.5) Tier II
Chemical	Units					
TPH						
EOM (Extracted Organic Material)	mg/kg	NA	NA	2238	NA	NA
i-C15	mg/kg	NA	NA	0.029	NA	NA
i-C16	mg/kg	NA	NA	0.102	NA	NA
i-C18	mg/kg	NA	NA	0.041	NA	NA
n-C10 (n-Decane)	mg/kg	NA	NA	0.020 J	NA	NA
n-C11 (n-Undecane)	mg/kg	NA	NA	0.026	NA	NA
n-C12 (n-Dodecane)	mg/kg	NA	NA	0.053	NA	NA
n-C13 (n-Tridecane)	mg/kg	NA	NA	0.040 J	NA	NA
n-C14 (n-Tetradecane)	mg/kg	NA	NA	0.097	NA	NA
n-C15 (Pentadecane)	mg/kg	NA	NA	0.403	NA	NA
n-C16 (n-Hexadecane)	mg/kg	NA	NA	0.141	NA	NA
n-C17 (Heptadecane)	mg/kg	NA	NA	1.13	NA	NA
n-C18 (Octadecane)	mg/kg	NA	NA	1.01	NA	NA
n-C19 (Nonadecane)	mg/kg	NA	NA	1.88	NA	NA
n-C20 (Eicosane)	mg/kg	NA	NA	0.755	NA	NA
n-C21 (Heneicosane)	mg/kg	NA	NA	2.63	NA	NA
n-C22 (Docosane)	mg/kg	NA	NA	0.494	NA	NA
n-C23 (Tricosane)	mg/kg	NA	NA	3.13	NA	NA
n-C24 (Tetracosane)	mg/kg	NA	NA	0.749	NA	NA
n-C25 (Pentacosane)	mg/kg	NA	NA	3.01	NA	NA
n-C26 (Hexacosane)	mg/kg	NA	NA	0.854	NA	NA
n-C27 (Heptacosane)	mg/kg	NA	NA	5.12	NA	NA
n-C28 (Octacosane)	mg/kg	NA	NA	1.42	NA	NA
n-C29 (Nonacosane)	mg/kg	NA	NA	6.75	NA	NA
n-C30 (n-Triacontane)	mg/kg	NA	NA	0.878	NA	NA
n-C31 (Hentriacontane)	mg/kg	NA	NA	7.25	NA	NA
n-C32 (Dotriacontane)	mg/kg	NA	NA	1.46	NA	NA
n-C33	mg/kg	NA	NA	10.1	NA	NA
n-C34 (Tetratriacontane)	mg/kg	NA	NA	1.83	NA	NA
n-C35	mg/kg	NA	NA	10.8	NA	NA
n-C36 (Hexatriacontane)	mg/kg	NA	NA	0.561	NA	NA
n-C37	mg/kg	NA	NA	1.35	NA	NA
n-C38 (Octatriacontane)	mg/kg	NA	NA	0.366	NA	NA
n-C39 (Nonatriacontane)	mg/kg	NA	NA	0.315	NA	NA
n-C40 (Tetracontane)	mg/kg	NA	NA	< 0.019 U	NA	NA
n-C9 (Nonane)	mg/kg	NA	NA	< 0.012 U	NA	NA
Phytane (Hexadecane, 2,6,10,14-tetramethyl-)	mg/kg	NA	NA	0.277	NA	NA
Pristane (2,6,10,14-Tetramethylpentadecane)	mg/kg	NA	NA	0.098	NA	NA
Total Alkanes	mg/kg	NA	NA	65.2	NA	NA
Total Petroleum Hydrocarbons	mg/kg	NA	NA	673	NA	NA

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-037 0.5-1 ft 7/28/2013 SED-DA-037(0.5-1.0) Tier II	SED-DA-037 1-1.5 ft 7/28/2013 SED-DA-037(1.0-1.5) Tier II	SED-DA-038 0-0.5 ft 7/28/2013 SED-DA-038(0.0-0.5) Tier II	SED-DA-038 0.5-1 ft 7/28/2013 SED-DA-038(0.5-1.0) Tier II	SED-DA-038 1-1.5 ft 7/28/2013 SED-DA-038(1.0-1.5) Tier II
Chemical	Units					
Total Resolvable Hydrocarbons	mg/kg	NA	NA	331	NA	NA
Unresolved Complex Mixture	mg/kg	NA	NA	342	NA	NA
VOCs						
1,1,1,2-Tetrachloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,1,1-Trichloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,1,2,2-Tetrachloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,1,2-Trichloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 26 U	< 13 U	< 62 U	< 15 U	< 13 U
1,1-Dichloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,1-Dichloroethene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,1-Dichloropropene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2,3-Trichlorobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2,3-Trichloropropane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2,4-Trichlorobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2,4-Trimethylbenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2-Dibromoethane (EDB)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2-Dichlorobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2-Dichloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,2-Dichloropropane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,3,5-Trimethylbenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,3-Dichlorobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,3-Dichloropropane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
1,4-Dichlorobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
2,2-Dichloropropane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
2-Butanone (MEK)	ug/kg	11 J	6 J	< 62 U	7 J	< 13 U
2-Chlorotoluene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
2-Phenylbutane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
4-Chlorotoluene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 26 U	< 13 U	< 62 U	< 15 U	< 13 U
Acetone	ug/kg	62	28	140	36	20 J
Allyl chloride	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Benzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Bromobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Bromochloromethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Bromodichloromethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Bromoform (Tribromomethane)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Bromomethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Carbon Tetrachloride	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Chlorobenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Chloroethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SED-DA-037 0.5-1 ft 7/28/2013 SED-DA-037(0.5-1.0) Tier II	SED-DA-037 1-1.5 ft 7/28/2013 SED-DA-037(1.0-1.5) Tier II	SED-DA-038 0-0.5 ft 7/28/2013 SED-DA-038(0.0-0.5) Tier II	SED-DA-038 0.5-1 ft 7/28/2013 SED-DA-038(0.5-1.0) Tier II	SED-DA-038 1-1.5 ft 7/28/2013 SED-DA-038(1.0-1.5) Tier II
Chemical	Units					
Chloroform	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Chloromethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
cis-1,2-Dichloroethene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
cis-1,3-Dichloropropene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Dibromochloromethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Dibromomethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Dichlorofluoromethane	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Diethyl ether (Ethyl ether)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Ethylbenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Hexachloro-1,3-Butadiene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Isopropylbenzene (Cumene)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Methylene Chloride (Dichloromethane)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Methyl-tert-butyl ether	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
n-Butylbenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
n-Propylbenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
p-Isopropyltoluene (Cymene)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Styrene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Tert-Butylbenzene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Tetrachloroethene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Tetrahydrofuran	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Toluene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
trans-1,2-Dichloroethene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
trans-1,3-Dichloropropene	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Trichloroethene	ug/kg	< 13 U	1 J	< 31 U	< 8 U	< 7 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Vinyl Chloride	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U
Xylene (Total)	ug/kg	< 13 U	< 6 U	< 31 U	< 8 U	< 7 U

Notes:

1. Tier II data validation was performed on all sample results. Tier III data validation on 10% of the data is ongoing.

Acronyms and Abbreviations:

% = percent

mg/kg = milligrams per kilogram

NA = not analyzed

PAH = polycyclic aromatic hydrocarbons

SIM = selective ion monitoring

TPH = total petroleum hydrocarbon

ug/kg = micrograms per kilogram

USEPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

Qualifier Definitions:

B = Analyte was also detected in the blank (organic); value is <CRDL, but >IDL (inorganics)

D = Compound quantitated on a diluted sample

E = Concentration exceeds the calibration range of the instrument (organic); estimate due to interference (inorganic)

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

R = The sample results are rejected

U = Compound was not detected

UB = Compound considered non-detect at the listed value due to associated blank contamination.

UJ = The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.