

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-016 0-0.5 ft 8/6/2013 SO-DA-016(0.0-0.5) Tier II	SO-DA-016 0.5-1 ft 8/6/2013 SO-DA-016(0.5-1.0) Tier II	SO-DA-016 1-1.5 ft 8/6/2013 SO-DA-016(1.0-1.5) Tier II	SO-DA-017 0-0.5 ft 8/6/2013 SO-DA-017(0.0-0.5) Tier II	SO-DA-017 0.5-1 ft 8/6/2013 SO-DA-017(0.5-1.0) Tier II	SO-DA-017 1-1.5 ft 8/6/2013 SO-DA-017(1.0-1.5) Tier II	SO-DA-018 0-0.5 ft 8/6/2013 SO-DA-018(0.0-0.5) Tier II	SO-DA-018 0-0.5 ft 8/6/2013 SO-DA-DUP-03-080613FD Tier II
Chemical	Units								
Grain Size									
Sieve 3 inch, % passing	% passing	100	NA	NA	100	NA	NA	100	NA
Sieve 1.5 inch, % passing	% passing	100	NA	NA	100	NA	NA	100	NA
Sieve 0.75 inch, % passing	% passing	100	NA	NA	100	NA	NA	100	NA
Sieve, 4750 micron, % passing	% passing	99.9	NA	NA	99.9	NA	NA	98.9	NA
Sieve, 3350 micron, % passing	% passing	99.6	NA	NA	99.7	NA	NA	98.6	NA
Sieve, 2360 micron, % passing	% passing	99.3	NA	NA	99.5	NA	NA	98.3	NA
Sieve, 1180 micron, % passing	% passing	98.9	NA	NA	99.1	NA	NA	98.1	NA
Sieve, 600 micron, % passing	% passing	98.2	NA	NA	98.5	NA	NA	97.1	NA
Sieve, 300 micron, % passing	% passing	97.0	NA	NA	97.9	NA	NA	95.8	NA
Sieve, 150 micron, % passing	% passing	91.2	NA	NA	95.5	NA	NA	93.8	NA
Sieve, 75 micron, % passing	% passing	78.9	NA	NA	90.2	NA	NA	89.6	NA
Sieve, 64 micron, % passing	% passing	73.0	NA	NA	85.0	NA	NA	84.0	NA
Sieve, 50 micron, % passing	% passing	59.0	NA	NA	77.0	NA	NA	75.0	NA
Sieve, 20 micron, % passing	% passing	37.0	NA	NA	51.0	NA	NA	52.0	NA
Sieve, 5 micron, % passing	% passing	18.0	NA	NA	23.5	NA	NA	22.0	NA
Sieve, 2 micron, % passing	% passing	13.5	NA	NA	17.0	NA	NA	18.0	NA
Sieve, 1 micron, % passing	% passing	12.5	NA	NA	13.5	NA	NA	17.0	NA
Metals									
Arsenic	mg/kg	4.03	3.57	3.58	4.47	3.27	2.71	5.66	6.51
Barium	mg/kg	101	106	78.8	82.9	102	82.8	88.2	95.4
Cadmium	mg/kg	0.303 J	0.254 J	0.185 J	0.221 J	0.173 J	0.148 J	0.260 J	0.222 J
Chromium	mg/kg	13.8 J	13.4 J	13.4 J	14.9 J	13.2 J	12.4 J	16.3 J	17.4 J
Lead	mg/kg	19.7 J	16.5 J	11.7 J	22.2 J	12.5 J	11.5 J	18.3 J	25.8 J
Mercury	mg/kg	0.0372 J	0.0249 J	0.0141 J	0.0326 J	0.0216 J	0.0268 J	0.0235 J	0.0198 J
Nickel	mg/kg	10.3	11.1	11.0	10.5	12.0	9.70	11.0	11.7
Selenium	mg/kg	0.983 J	1.19 J	< 2.45 U	< 2.64 U	< 2.47 U	< 2.50 U	< 2.75 U	1.00 J
Silver	mg/kg	< 0.593 U	< 0.616 U	< 0.613 U	< 0.661 U	< 0.618 U	< 0.625 U	< 0.689 U	< 0.623 U
Vanadium	mg/kg	21.9	21.4	22.2	24.2	22.6	22.0	25.6	27.9
Other									
Black Carbon	%	< 0.19 U	NA	NA	< 0.19 U	NA	NA	< 0.19 U	< 0.19 U
Percent Moisture	%	18.1	19.6	20.0	24.3	19.9	20.8	27.4	20.6
Total Organic Carbon	%	2.51	NA	NA	1.71	NA	NA	2.01	1.95
Priority PAHs									
1-Methylnaphthalene	ug/kg	4.15	1.78	1.12	3.71	2.01	1.02	3.33	3.43
2-Methylnaphthalene	ug/kg	9.66	3.70	2.29	8.75	4.42	2.41	7.73	7.77
Acenaphthene	ug/kg	1.24	0.170	0.106	0.758	0.256	0.231	0.554 J	< 0.1 UJ
Acenaphthylene	ug/kg	4.43	0.620	0.325	1.53	0.293	0.611	0.699 J	3.57 J
Anthracene	ug/kg	7.27	0.451	0.287	1.48	< 0.1 U	< 0.1 U	1.01 J	4.25 J
Benzo(a)Anthracene	ug/kg	13.7	1.09	0.676	11.5	0.347	0.441	2.77 J	8.90 J
Benzo(a)Pyrene	ug/kg	18.8	0.929	0.549	5.84 J	0.163	0.331	3.46 J	14.0 J
Benzo(b)Fluoranthene	ug/kg	71.5	4.09	2.62	29.1	1.23	2.38	10.9 J	33.3 J
Benzo(g,h,i)Perylene	ug/kg	28.7	2.01	1.17	13.4 J	0.346	1.24	7.30 J	27.6 J
Benzo(j)+(k)Fluoranthene	ug/kg	34.3	1.28	0.819	5.4	0.323	0.718	4.69 J	14.5 J
Chrysene/Triphenylene	ug/kg	37.3	3.07	1.74	34.6 J	1.13	2.68	11.7 J	65.4 J
Dibenz(a,h)Anthracene	ug/kg	8.21	0.528	0.360	3.90	0.176	0.421	1.97 J	6.52 J
Fluoranthene	ug/kg	50.6	3.57	1.94	14.9 J	3.73	3.12	10.8	16.8
Fluorene	ug/kg	9.64	2.87	1.66	6.39	8.51	4.49	8.12	6.22
Indeno[1,2,3-cd]pyrene	ug/kg	27.1	1.33	0.884	7.43	0.444	0.840	3.80 J	11.5 J
Naphthalene	ug/kg	10.4	5.52	2.94	6.01	3.60	1.71	6.61	5.39
Phenanthrene	ug/kg	34.0	8.96	4.78	20.5 J	24.6	17.7	24.7	29.9
Pyrene	ug/kg	38.3	2.51	1.35	18.1	0.635	1.00	9.74 J	52.0 J

Chemical	Units	Location	SO-DA-016	SO-DA-016	SO-DA-016	SO-DA-017	SO-DA-017	SO-DA-017	SO-DA-018	SO-DA-018
		Depths (ft)	0-0.5 ft	0.5-1 ft	1-1.5 ft	0-0.5 ft	0.5-1 ft	1-1.5 ft	0-0.5 ft	0-0.5 ft
		Sample Date	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013
		Sample ID	SO-DA-016(0.0-0.5)	SO-DA-016(0.5-1.0)	SO-DA-016(1.0-1.5)	SO-DA-017(0.0-0.5)	SO-DA-017(0.5-1.0)	SO-DA-017(1.0-1.5)	SO-DA-018(0.0-0.5)	SO-DA-DUP-03-080613FD
		Validation Level	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II
Forensic PAHs										
Benzo(e)Pyrene	ug/kg		42.9	2.93	1.92	21.1 J	0.816	2.65	12.7 J	35.3 J
C1-Chrysenes	ug/kg		< 0.2 U	3.55	2.20	82.0	1.28	5.25	27.9 J	152 J
C1-Fluoranthenes/Pyrenes	ug/kg		20.5	2.91	1.67	57.5	1.05	3.40	20.2 J	132 J
C1-Fluorenes	ug/kg		5.39	1.11	0.873	< 0.4 U	3.25	< 0.4 U	5.32 J	20.3 J
C1-Phenanthrenes/Anthracenes	ug/kg		17.2	5.38	3.57	21.1	7.27	6.06	12.2 J	50.5 J
C2-Chrysenes	ug/kg		< 0.2 U	4.16	2.45	120	1.27	7.63	46.1 J	206 J
C2-Fluorenes	ug/kg		14.9	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ
C2-Naphthalenes	ug/kg		12.4	4.31	3.00	14.5	7.87	4.83	11.1	16.2
C2-Phenanthrenes/Anthracenes	ug/kg		20.6	< 0.3 U	< 0.3 U	114	5.80	8.15	29.6 J	261 J
C3-Chrysenes	ug/kg		< 0.2 U	3.98	1.89	75.0	1.05	4.99	33.2 J	167 J
C3-Fluorenes	ug/kg		15.0	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ
C3-Naphthalenes	ug/kg		13.8	4.16	2.31	16.4	3.58	3.68	10.3 J	29.0 J
C3-Phenanthrenes/Anthracenes	ug/kg		21.3	< 0.3 U	< 0.3 U	271	2.66	13.4	77.0 J	604 J
C4-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	52.2	< 0.2 U	< 0.2 U	18.8 J	78.3 J
C4-Naphthalenes	ug/kg		13.7	3.47	< 0.7 U	48.1	< 0.7 U	< 0.7 U	31.0 J	103 J
C4-Phenanthrenes/Anthracenes	ug/kg		16.4	< 0.3 U	< 0.3 U	292	< 0.3 U	11.5	83.4 J	612 J
Perylene	ug/kg		9.10 J	0.415 J	0.236 J	1.55 J	0.069 J	R	R	4.98 J
Phenanthrene, 2-methyl-	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
18a-Oleanane	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methyldibenzothiophene(1MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylfluorene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylphenanthrene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2/3-Methyldibenzothiophene(2MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2-Methylanthracene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2-Methylfluoranthene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
4-Methyldibenzothiophene(4MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluorene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzothiophene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Decalins	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Dibenzothiophenes	ug/kg		5.67	1.42	0.931	15.1	2.77	2.46	5.72 J	46.3 J
C1-Naphthalenes	ug/kg		7.46	2.96	1.84	7.95	3.47	1.86	5.98	7.19
C1-Naphthobenzothiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C20-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C21-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C26(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C27(20R)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C28(20R)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C28(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C29-Hopane	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Decalins	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Dibenzothiophenes	ug/kg		9.89	1.88	1.08	100	< 0.2 U	4.65	20.5 J	222 J
C2-Fluoranthenes/Pyrenes	ug/kg		< 0.5 U	5.55	2.45	84.4	1.31	6.09	28.1 J	215 J

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-016	SO-DA-016	SO-DA-016	SO-DA-017	SO-DA-017	SO-DA-017	SO-DA-018	SO-DA-018
		0-0.5 ft 8/6/2013 SO-DA-016(0.0-0.5) Tier II	0.5-1 ft 8/6/2013 SO-DA-016(0.5-1.0) Tier II	1-1.5 ft 8/6/2013 SO-DA-016(1.0-1.5) Tier II	0-0.5 ft 8/6/2013 SO-DA-017(0.0-0.5) Tier II	0.5-1 ft 8/6/2013 SO-DA-017(0.5-1.0) Tier II	1-1.5 ft 8/6/2013 SO-DA-017(1.0-1.5) Tier II	0-0.5 ft 8/6/2013 SO-DA-018(0.0-0.5) Tier II	0-0.5 ft 8/6/2013 SO-DA-DUP-03-080613FD Tier II
Units									
C2-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	17.9	3.15	0.803	280	< 0.2 U	11.4	86.1 J	693
C3-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	3.88	< 0.5 U	75.7	< 0.5 U	4.56	24.1 J	202 J
C3-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	13.3	1.59	1.04	300	< 0.2 U	9.41	92.7 J	702 J
C4-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	4.48	< 0.5 U	129	< 0.5 U	4.58	48.8 J	207 J
C4-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzothiophene	ug/kg	4.48	1.08	0.696	4.97	2.39	1.64	3.04 J	9.68 J
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Retene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,1,1-Trichloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,1,2,2-Tetrachloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,1,2-Trichloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 13 U	< 11 U	< 11 U	< 13 U	< 10 U	< 10 U	< 12 U	< 11 U
1,1-Dichloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,1-Dichloroethene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,1-Dichloropropene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2,3-Trichlorobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2,3-Trichloropropane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2,4-Trichlorobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2,4-Trimethylbenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2-Dibromoethane (EDB)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2-Dichlorobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2-Dichloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,2-Dichloropropane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,3,5-Trimethylbenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,3-Dichlorobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,3-Dichloropropane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
1,4-Dichlorobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
2,2-Dichloropropane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
2-Butanone (MEK)	ug/kg	9 J	< 11 U	< 11 U	22	10 J	6 J	15	14
2-Chlorotoluene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
2-Phenylbutane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
4-Chlorotoluene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 13 U	< 11 U	< 11 U	< 13 U	< 10 U	< 10 U	< 12 U	< 11 U
Acetone	ug/kg	110	39	39	210	97	63	130	140
Allyl chloride	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Benzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Bromobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Bromochloromethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-016	SO-DA-016	SO-DA-016	SO-DA-017	SO-DA-017	SO-DA-017	SO-DA-018	SO-DA-018
		0-0.5 ft 8/6/2013 SO-DA-016(0.0-0.5) Tier II	0.5-1 ft 8/6/2013 SO-DA-016(0.5-1.0) Tier II	1-1.5 ft 8/6/2013 SO-DA-016(1.0-1.5) Tier II	0-0.5 ft 8/6/2013 SO-DA-017(0.0-0.5) Tier II	0.5-1 ft 8/6/2013 SO-DA-017(0.5-1.0) Tier II	1-1.5 ft 8/6/2013 SO-DA-017(1.0-1.5) Tier II	0-0.5 ft 8/6/2013 SO-DA-018(0.0-0.5) Tier II	0-0.5 ft 8/6/2013 SO-DA-DUP-03-080613FD Tier II
Units									
Bromodichloromethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Bromoform (Tribromomethane)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Bromomethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Carbon Tetrachloride	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Chlorobenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Chloroethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Chloroform	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Chloromethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
cis-1,2-Dichloroethene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
cis-1,3-Dichloropropene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Dibromochloromethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Dibromomethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Dichlorofluoromethane	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Diethyl ether (Ethyl ether)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Ethylbenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Hexachloro-1,3-Butadiene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Isopropylbenzene (Cumene)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Methylene Chloride (Dichloromethane)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Methyl-tert-butyl ether	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
n-Butylbenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
n-Propylbenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
p-Isopropyltoluene (Cymene)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Styrene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Tert-Butylbenzene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Tetrachloroethene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Tetrahydrofuran	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Toluene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
trans-1,2-Dichloroethene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
trans-1,3-Dichloropropene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Trichloroethene	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Vinyl Chloride	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U
Xylene (Total)	ug/kg	< 7 U	< 5 U	< 5 U	< 7 U	< 5 U	< 5 U	< 6 U	< 6 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-018 0.5-1 ft 8/6/2013 SO-DA-018(0.5-1.0) Tier II	SO-DA-018 1-1.5 ft 8/6/2013 SO-DA-018(1.0-1.5) Tier II	SO-DA-019 0-0.5 ft 8/8/2013 SO-DA-019(0.0-0.5) Tier II	SO-DA-019 0.5-1 ft 8/8/2013 SO-DA-019(0.5-1.0) Tier II	SO-DA-019 1-1.5 ft 8/8/2013 SO-DA-019(1.0-1.5) Tier II	SO-DA-019 1.5-2 ft 8/8/2013 SO-DA-019(1.5-2.0) Tier II	SO-DA-019 2-3 ft 8/8/2013 SO-DA-019(2.0-3.0) Tier II	SO-DA-019 3-4 ft 8/8/2013 SO-DA-019(3.0-4.0) Tier II
Chemical	Units								
Grain Size									
Sieve 3 inch, % passing	% passing	NA	NA	100	NA	NA	NA	NA	NA
Sieve 1.5 inch, % passing	% passing	NA	NA	100	NA	NA	NA	NA	NA
Sieve 0.75 inch, % passing	% passing	NA	NA	100	NA	NA	NA	NA	NA
Sieve, 4750 micron, % passing	% passing	NA	NA	99.8	NA	NA	NA	NA	NA
Sieve, 3350 micron, % passing	% passing	NA	NA	99.5	NA	NA	NA	NA	NA
Sieve, 2360 micron, % passing	% passing	NA	NA	98.7	NA	NA	NA	NA	NA
Sieve, 1180 micron, % passing	% passing	NA	NA	98.5	NA	NA	NA	NA	NA
Sieve, 600 micron, % passing	% passing	NA	NA	98.2	NA	NA	NA	NA	NA
Sieve, 300 micron, % passing	% passing	NA	NA	97.6	NA	NA	NA	NA	NA
Sieve, 150 micron, % passing	% passing	NA	NA	96.1	NA	NA	NA	NA	NA
Sieve, 75 micron, % passing	% passing	NA	NA	91.7	NA	NA	NA	NA	NA
Sieve, 64 micron, % passing	% passing	NA	NA	86.0	NA	NA	NA	NA	NA
Sieve, 50 micron, % passing	% passing	NA	NA	73.0	NA	NA	NA	NA	NA
Sieve, 20 micron, % passing	% passing	NA	NA	51.0	NA	NA	NA	NA	NA
Sieve, 5 micron, % passing	% passing	NA	NA	22.0	NA	NA	NA	NA	NA
Sieve, 2 micron, % passing	% passing	NA	NA	13.0	NA	NA	NA	NA	NA
Sieve, 1 micron, % passing	% passing	NA	NA	7.0	NA	NA	NA	NA	NA
Metals									
Arsenic	mg/kg	3.01	2.98	3.87	3.70	2.75	3.91	3.04	5.65
Barium	mg/kg	63.6	86.2	67.9	91.7	55.8	50.6	58.3	112
Cadmium	mg/kg	0.143 J	0.183 J	< 0.576 U	< 0.570 U	< 0.571 U	< 0.582 U	< 0.561 U	< 0.816 U
Chromium	mg/kg	11.5 J	12.7 J	10.7	13.2	12.1	15.2	12.8	21.5
Lead	mg/kg	11.8 J	11.3 J	15.9	13.1	10.4	11.4	10.5	22.5
Mercury	mg/kg	0.0375 J	0.0265 J	0.0287 J	0.0251 J	0.0112 J	< 0.109 U	< 0.109 U	< 0.163 U
Nickel	mg/kg	6.83	8.50	7.27	8.69	7.63	7.79	7.64	14.0
Selenium	mg/kg	< 2.44 U	1.01 J	< 2.30 U	1.19 J	1.05 J	1.21 J	< 2.24 U	1.70 J
Silver	mg/kg	< 0.611 U	< 0.614 U	< 0.576 U	< 0.570 U	< 0.571 U	< 0.582 U	< 0.561 U	< 0.816 U
Vanadium	mg/kg	20.3	20.1	18.9	23.8	22.2	25.9	23.9	36.0
Other									
Black Carbon	%	NA	NA	< 0.19 U	NA	NA	NA	NA	NA
Percent Moisture	%	19.8	21.7	14.0	15.7	15.0	14.1	13.5	39.3
Total Organic Carbon	%	NA	NA	1.78	NA	NA	NA	NA	NA
Priority PAHs									
1-Methylnaphthalene	ug/kg	0.763	1.58	4.34	5.50	0.274 J	NA	NA	NA
2-Methylnaphthalene	ug/kg	1.76	3.54	10.1	9.17	0.556 J	NA	NA	NA
Acenaphthene	ug/kg	0.552	< 0.1 U	1.67	1.57	0.159	NA	NA	NA
Acenaphthylene	ug/kg	0.246	< 0 U	2.43	1.37	0.045	NA	NA	NA
Anthracene	ug/kg	< 0.1 U	< 0.1 U	2.04	0.855	< 0.1 U	NA	NA	NA
Benzo(a)Anthracene	ug/kg	0.280	0.163 J	6.57	6.61	0.468	NA	NA	NA
Benzo(a)Pyrene	ug/kg	0.288	0.097 J	8.25 J	10.1	0.486	NA	NA	NA
Benzo(b)Fluoranthene	ug/kg	1.32	0.728	28.9	22.1	1.37	NA	NA	NA
Benzo(g,h,i)Perylene	ug/kg	0.780	0.337	19.1 J	17.3	0.864	NA	NA	NA
Benzo(j)+(k)Fluoranthene	ug/kg	0.417	0.208	5.99	8.22	0.384	NA	NA	NA
Chrysene/Triphenylene	ug/kg	2.20	0.918	59.6	42.5	3.33	NA	NA	NA
Dibenz(a,h)Anthracene	ug/kg	0.258	0.167	4.45	3.95	0.274	NA	NA	NA
Fluoranthene	ug/kg	3.78	2.00	11.4	12.0	0.876	NA	NA	NA
Fluorene	ug/kg	5.67	5.25	3.96	3.81	0.493	NA	NA	NA
Indeno[1,2,3-cd]pyrene	ug/kg	0.396	0.327	5.63	5.36	0.325	NA	NA	NA
Naphthalene	ug/kg	1.36	3.15	4.27	3.38	< 0.611 UB	NA	NA	NA
Phenanthrene	ug/kg	23.3	14.3	22.1	21.2	2.28	NA	NA	NA
Pyrene	ug/kg	0.914	< 0.404 UB	40.7	36.5	1.54	NA	NA	NA

Chemical	Units	Location	SO-DA-018	SO-DA-018	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019
		Depths (ft)	0.5-1 ft	1-1.5 ft	0-0.5 ft	0.5-1 ft	1-1.5 ft	1.5-2 ft	2-3 ft	3-4 ft
		Sample Date	8/6/2013	8/6/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013
		Sample ID	SO-DA-018(0.5-1.0)	SO-DA-018(1.0-1.5)	SO-DA-019(0.0-0.5)	SO-DA-019(0.5-1.0)	SO-DA-019(1.0-1.5)	SO-DA-019(1.5-2.0)	SO-DA-019(2.0-3.0)	SO-DA-019(3.0-4.0)
		Validation Level	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II
Forensic PAHs										
Benzo(e)Pyrene	ug/kg		1.41	0.736	34.5	26.8	1.71	NA	NA	NA
C1-Chrysenes	ug/kg		7.74	2.19	104	124	8.79	NA	NA	NA
C1-Fluoranthenes/Pyrenes	ug/kg		3.11	0.966	94	119	6.56	NA	NA	NA
C1-Fluorenes	ug/kg		< 0.4 U	2.18	16.8	30.4	1.10	NA	NA	NA
C1-Phenanthrenes/Anthracenes	ug/kg		8.46	7.03	85.9	92.2	12.8	NA	NA	NA
C2-Chrysenes	ug/kg		11.2	3.58	149	165	12.6	NA	NA	NA
C2-Fluorenes	ug/kg		< 0.4 U	< 0.4 U	63.2	< 0.4 U	< 0.4 U	NA	NA	NA
C2-Naphthalenes	ug/kg		< 0.7 U	< 0.7 U	19.6	33.1	1.44	NA	NA	NA
C2-Phenanthrenes/Anthracenes	ug/kg		9.59	< 0.3 U	260	394	31.5	NA	NA	NA
C3-Chrysenes	ug/kg		8.06	2.44	106	104	7.83	NA	NA	NA
C3-Fluorenes	ug/kg		< 0.4 U	< 0.4 U	154	< 0.4 U	< 0.4 U	NA	NA	NA
C3-Naphthalenes	ug/kg		< 0.7 U	< 0.7 U	39.2	69.6	1.62	NA	NA	NA
C3-Phenanthrenes/Anthracenes	ug/kg		15.2	< 0.3 U	464	740	45.5	NA	NA	NA
C4-Chrysenes	ug/kg		4.25	< 0.2 U	39.5	63.9	4.14	NA	NA	NA
C4-Naphthalenes	ug/kg		< 0.7 U	< 0.7 U	70.9	211	3.73	NA	NA	NA
C4-Phenanthrenes/Anthracenes	ug/kg		14.4	< 0.3 U	347	542	34.4	NA	NA	NA
Perylene	ug/kg		R	R	3.60 J	4.24	0.309 J	NA	NA	NA
Phenanthrene, 2-methyl-	ug/kg		NA	NA	27.1	29.1	2.90	NA	NA	NA
1,1-Biphenyl	ug/kg		NA	NA	3.00	2.39	< 0.307 UB	NA	NA	NA
18a-Oleanane	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
1-Methylidibenzothiophene(1MDT)	ug/kg		NA	NA	28.3	30.9	3.35	NA	NA	NA
1-Methylfluorene	ug/kg		NA	NA	5.33	8.90	0.784	NA	NA	NA
1-Methylphenanthrene	ug/kg		NA	NA	23.1 J	24.7	2.77	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg		NA	NA	4.22	7.91	0.135	NA	NA	NA
2/3-Methylidibenzothiophene(2MDT)	ug/kg		NA	NA	31.7	34.9	3.19	NA	NA	NA
2-Methylanthracene	ug/kg		NA	NA	6.15	6.76	4.95	NA	NA	NA
2-Methylfluoranthene	ug/kg		NA	NA	8.46	9.88	0.753	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg		NA	NA	17.1 J	24.1	1.58	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg		NA	NA	21.8	23.2	2.30	NA	NA	NA
4-Methylidibenzothiophene(4MDT)	ug/kg		NA	NA	43.7	44.3	4.37	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg		NA	NA	33.4	35.9	3.75	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg		NA	NA	< 0.1 U	< 0.1 U	< 0.1 U	NA	NA	NA
Benzo(b)fluorene	ug/kg		NA	NA	1.69	3.97	0.431	NA	NA	NA
Benzothiophene	ug/kg		NA	NA	0.423	0.295	0.177	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg		NA	NA	4.97	4.68	< 0.2 U	NA	NA	NA
C1-Decalins	ug/kg		NA	NA	< 0.3 U	< 0.3 U	< 0.3 U	NA	NA	NA
C1-Dibenzothiophenes	ug/kg		2.05	1.32	76.3	81.0	8.04	NA	NA	NA
C1-Naphthalenes	ug/kg		1.61	3.29	9.19	9.33	0.529 J	NA	NA	NA
C1-Naphthobenzothiophenes	ug/kg		NA	NA	218	258	19.3	NA	NA	NA
C20-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C21-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C26(20S)-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C27(20R)-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C28(20R)-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C28(20S)-TAS	ug/kg		NA	NA	< 0.6 U	< 0.6 U	< 0.6 U	NA	NA	NA
C29-Hopane	ug/kg		NA	NA	475	439	29.4	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg		NA	NA	14.5	10.9	< 0.2 U	NA	NA	NA
C2-Decalins	ug/kg		NA	NA	< 0.3 U	< 0.3 U	< 0.3 U	NA	NA	NA
C2-Dibenzothiophenes	ug/kg		4.51	< 0.2 U	233	339	25.8	NA	NA	NA
C2-Fluoranthenes/Pyrenes	ug/kg		6.73	1.88	131	159	12.5	NA	NA	NA

Chemical	Units	SO-DA-018	SO-DA-018	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019
		0.5-1 ft 8/6/2013 SO-DA-018(0.5-1.0) Tier II	1-1.5 ft 8/6/2013 SO-DA-018(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-019(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-019(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-019(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-019(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-019(2.0-3.0) Tier II	3-4 ft 8/8/2013 SO-DA-019(3.0-4.0) Tier II
C2-Naphthobenzothiophenes	ug/kg	NA	NA	371	403	25.7	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	662	537	39.4	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	17.8	21.1	< 0.2 U	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	< 0.3 U	< 0.3 U	< 0.3 U	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	13.2	< 0.2 U	409	762	43.8	NA	NA	NA
C3-Fluoranthenes/Pyrenes	ug/kg	5.66	1.48	129	157	11.5	NA	NA	NA
C3-Naphthobenzothiophenes	ug/kg	NA	NA	312	315	24.5	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	35.6	69.1	< 0.2 U	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	< 0.3 U	< 0.3 U	< 0.3 U	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	21.7	< 0.2 U	380	589	36.7	NA	NA	NA
C4-Fluoranthenes/Pyrenes	ug/kg	9.58	< 0.5 U	199	183	16.0	NA	NA	NA
C4-Naphthobenzothiophenes	ug/kg	NA	NA	132	169	12.6	NA	NA	NA
Carbazole	ug/kg	NA	NA	< 0.1 U	< 0.1 U	< 0.1 U	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	< 0.1 U	< 0.1 U	< 0.1 U	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	3.71	3.32	0.394	NA	NA	NA
Dibenzothiophene	ug/kg	1.74	1.43	15.8 J	17.9	1.14	NA	NA	NA
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	10.1	13.7	0.505	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	69.7	98.9	6.58	NA	NA	NA
Retene	ug/kg	NA	NA	23.6	43.6	2.86	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,1,1-Trichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,1,2,2-Tetrachloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,1,2-Trichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 10 U	< 10 U	< 11 U	< 11 U	< 10 U	< 12 U	< 12 U	< 17 U
1,1-Dichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,1-Dichloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,1-Dichloropropene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2,3-Trichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2,3-Trichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2,4-Trichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2,4-Trimethylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2-Dibromoethane (EDB)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2-Dichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2-Dichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,2-Dichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,3,5-Trimethylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,3-Dichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,3-Dichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
1,4-Dichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
2,2-Dichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
2-Butanone (MEK)	ug/kg	< 10 U	4 J	15	5 J	7 J	7 J	6 J	8 J
2-Chlorotoluene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
2-Phenylbutane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
4-Chlorotoluene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 10 U	< 10 U	< 11 U	< 11 U	< 10 U	< 12 U	< 12 U	< 17 U
Acetone	ug/kg	42	53	89	53	44	41	41	43
Allyl chloride	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Benzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Bromobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Bromochloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-018	SO-DA-018	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019	SO-DA-019
		0.5-1 ft 8/6/2013 SO-DA-018(0.5-1.0) Tier II	1-1.5 ft 8/6/2013 SO-DA-018(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-019(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-019(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-019(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-019(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-019(2.0-3.0) Tier II	3-4 ft 8/8/2013 SO-DA-019(3.0-4.0) Tier II
Units									
Bromodichloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Bromoform (Tribromomethane)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Bromomethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Carbon Tetrachloride	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Chlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Chloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Chloroform	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Chloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
cis-1,2-Dichloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
cis-1,3-Dichloropropene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Dibromochloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Dibromomethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Dichlorofluoromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Diethyl ether (Ethyl ether)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Ethylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Hexachloro-1,3-Butadiene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Isopropylbenzene (Cumene)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Methylene Chloride (Dichloromethane)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Methyl-tert-butyl ether	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
n-Butylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
n-Propylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
p-Isopropyltoluene (Cymene)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Styrene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Tert-Butylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Tetrachloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Tetrahydrofuran	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Toluene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
trans-1,2-Dichloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
trans-1,3-Dichloropropene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Trichloroethene	ug/kg	< 5 U	1 J	< 6 U	< 6 U	< 5 U	1 J	1 J	< 9 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Vinyl Chloride	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U
Xylene (Total)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 5 U	< 6 U	< 6 U	< 9 U

Location Depths (ft) Sample Date Sample ID Validation Level	Units	SO-DA-020	SO-DA-020	SO-DA-020	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021
		0-0.5 ft 8/7/2013 SO-DA-020(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-020(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-020(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-021(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-021(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-021(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-021(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-021(2.0-3.0) Tier II
Chemical									
Grain Size									
Sieve 3 inch, % passing	% passing	100	NA	NA	100	NA	NA	NA	NA
Sieve 1.5 inch, % passing	% passing	100	NA	NA	100	NA	NA	NA	NA
Sieve 0.75 inch, % passing	% passing	100	NA	NA	100	NA	NA	NA	NA
Sieve, 4750 micron, % passing	% passing	100	NA	NA	100	NA	NA	NA	NA
Sieve, 3350 micron, % passing	% passing	100	NA	NA	100	NA	NA	NA	NA
Sieve, 2360 micron, % passing	% passing	99.8	NA	NA	100	NA	NA	NA	NA
Sieve, 1180 micron, % passing	% passing	99.6	NA	NA	99.8	NA	NA	NA	NA
Sieve, 600 micron, % passing	% passing	99.4	NA	NA	99.2	NA	NA	NA	NA
Sieve, 300 micron, % passing	% passing	98.9	NA	NA	98.3	NA	NA	NA	NA
Sieve, 150 micron, % passing	% passing	98.0	NA	NA	95.7	NA	NA	NA	NA
Sieve, 75 micron, % passing	% passing	96.8	NA	NA	89.1	NA	NA	NA	NA
Sieve, 64 micron, % passing	% passing	94.0	NA	NA	76.0	NA	NA	NA	NA
Sieve, 50 micron, % passing	% passing	89.0	NA	NA	48.0	NA	NA	NA	NA
Sieve, 20 micron, % passing	% passing	69.0	NA	NA	10.5	NA	NA	NA	NA
Sieve, 5 micron, % passing	% passing	50.0	NA	NA	2.0	NA	NA	NA	NA
Sieve, 2 micron, % passing	% passing	37.0	NA	NA	0.50	NA	NA	NA	NA
Sieve, 1 micron, % passing	% passing	24.0	NA	NA	< 0.50 U	NA	NA	NA	NA
Metals									
Arsenic	mg/kg	6.82	5.55	6.88	5.23	3.36	5.82	NA	NA
Barium	mg/kg	117	80.9	43.5	62.1	65.8	56.0	NA	NA
Cadmium	mg/kg	< 0.625 U	< 0.590 U	< 0.575 U	< 0.596 U	< 0.586 U	< 0.614 U	NA	NA
Chromium	mg/kg	17.7	12.8	18.3	9.45	12.4	12.9	NA	NA
Lead	mg/kg	24.5	13.1	14.5	15.3	11.7	12.9	NA	NA
Mercury	mg/kg	0.0502 J	0.0238 J	< 0.112 U	0.0204 J	0.0229 J	0.0185 J	NA	NA
Nickel	mg/kg	12.8	8.04	7.55	6.60	8.51	8.38	NA	NA
Selenium	mg/kg	< 2.50 U	< 2.36 U	< 2.30 U	< 2.38 U	1.16 J	< 2.46 U	NA	NA
Silver	mg/kg	< 0.625 U	< 0.590 U	< 0.575 U	< 0.596 U	< 0.586 U	< 0.614 U	NA	NA
Vanadium	mg/kg	28.9	24.3	36.0	16.5	22.2	23.8	NA	NA
Other									
Black Carbon	%	< 0.18 U	NA	NA	< 0.18 U	NA	NA	NA	NA
Percent Moisture	%	23.1	18.5	13.9	17.7	17.2	19.4	17.1	14.4
Total Organic Carbon	%	1.68	NA	NA	1.61	NA	NA	NA	NA
Priority PAHs									
1-Methylnaphthalene	ug/kg	1.96	0.607	0.401 J	2.17	1.04	0.362 J	NA	NA
2-Methylnaphthalene	ug/kg	4.39	1.21 J	0.761 J	5.48	2.20	0.759 J	NA	NA
Acenaphthene	ug/kg	0.266	0.119	0.096 J	< 0.1 U	0.127	< 0.1 U	NA	NA
Acenaphthylene	ug/kg	1.19	0.170	0.106	< 0 U	0.193	< 0 U	NA	NA
Anthracene	ug/kg	1.29	0.115 J	0.083 J	< 0.1 U	0.192	< 0.1 U	NA	NA
Benzo(a)Anthracene	ug/kg	5.11	0.480	0.321	4.42	0.713	< 0.2 U	NA	NA
Benzo(a)Pyrene	ug/kg	2.57	0.109	0.078 J	6.24	0.566	< 0.1 U	NA	NA
Benzo(b)Fluoranthene	ug/kg	17.7	1.48	0.795	18.5	2.82	< 0.2 U	NA	NA
Benzo(g,h,i)Perylene	ug/kg	5.33	0.393	0.148	11.0	1.01	< 0.1 U	NA	NA
Benzo(j)+(k)Fluoranthene	ug/kg	4.57	0.316	0.174	7.09	0.753	< 0.1 U	NA	NA
Chrysene/Triphenylene	ug/kg	17.1	0.986	0.540	35.1	3.87	< 0.1 U	NA	NA
Dibenz(a,h)Anthracene	ug/kg	1.83	0.163	0.082	3.13	0.310	< 0.1 U	NA	NA
Fluoranthene	ug/kg	11.3	1.06	0.951	8.49	2.53	0.767	NA	NA
Fluorene	ug/kg	2.23	1.17	1.14	< 0.2 U	1.89	1.17	NA	NA
Indeno[1,2,3-cd]pyrene	ug/kg	5.05	0.483	0.188	4.60	0.560	< 0.1 U	NA	NA
Naphthalene	ug/kg	3.52	1.29	0.652	2.25	1.02	0.668	NA	NA
Phenanthrene	ug/kg	12.2	3.64	4.47	11.8	8.68	4.40	NA	NA
Pyrene	ug/kg	9.31	0.537	0.282	21.0	2.37	0.322	NA	NA

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-020	SO-DA-020	SO-DA-020	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021
		0-0.5 ft 8/7/2013 SO-DA-020(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-020(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-020(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-021(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-021(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-021(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-021(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-021(2.0-3.0) Tier II
Units									
Forensic PAHs									
Benzo(e)Pyrene	ug/kg	9.34	0.842	0.473	21.7	2.14	< 0.2 U	NA	NA
C1-Chrysenes	ug/kg	22.3	1.56	< 0.2 U	80.0	9.76	< 0.2 U	NA	NA
C1-Fluoranthenes/Pyrenes	ug/kg	14.0	0.849	0.482	55.1	6.32	1.10	NA	NA
C1-Fluorenes	ug/kg	3.21	0.714	0.653	< 0.4 U	3.16	0.790	NA	NA
C1-Phenanthrenes/Anthracenes	ug/kg	15.5	< 0.1 U	< 0.1 U	28.3	15.3	4.61	NA	NA
C2-Chrysenes	ug/kg	26.2	1.97	< 0.2 U	89.6	10.1	< 0.2 U	NA	NA
C2-Fluorenes	ug/kg	10.2	< 0.4 U	< 0.4 U	< 0.4 U	9.44	< 0.4 U	NA	NA
C2-Naphthalenes	ug/kg	7.27	2.10	1.63	13.9	6.71	1.52	NA	NA
C2-Phenanthrenes/Anthracenes	ug/kg	35.2	< 0.3 U	< 0.3 U	125	28.8	< 0.3 U	NA	NA
C3-Chrysenes	ug/kg	17.3	1.91	< 0.2 U	60.8	7.39	< 0.2 U	NA	NA
C3-Fluorenes	ug/kg	19.7	< 0.4 U	< 0.4 U	< 0.4 U	21.9	< 0.4 U	NA	NA
C3-Naphthalenes	ug/kg	8.63	1.59	0.785	26.9	12.5	1.37	NA	NA
C3-Phenanthrenes/Anthracenes	ug/kg	55.0	< 0.3 U	< 0.3 U	278	39.7	< 0.3 U	NA	NA
C4-Chrysenes	ug/kg	7.80	< 0.2 U	< 0.2 U	38.9	5.32	< 0.2 U	NA	NA
C4-Naphthalenes	ug/kg	13.3	1.99	< 0.7 U	52.9	14.7	< 0.7 U	NA	NA
C4-Phenanthrenes/Anthracenes	ug/kg	46.2	< 0.3 U	< 0.3 U	234	25.6	< 0.3 U	NA	NA
Perylene	ug/kg	R	R	R	2.10 J	R	R	NA	NA
Phenanthrene, 2-methyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
18a-Oleanane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylidibenzothiophene(1MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylfluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylphenanthrene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2/3-Methylidibenzothiophene(2MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylanthracene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylfluoranthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylidibenzothiophene(4MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Dibenzothiophenes	ug/kg	8.03	0.704	0.586	25.4	14.3	1.46	NA	NA
C1-Naphthalenes	ug/kg	4.05	1.16	0.739 J	4.89	2.07	0.714 J	NA	NA
C1-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C20-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C21-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C26(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C27(20R)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C28(20R)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C28(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C29-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Dibenzothiophenes	ug/kg	27.7	1.10	0.734	112	30.5	3.68	NA	NA
C2-Fluoranthenes/Pyrenes	ug/kg	20.8	1.87	0.925	89.8	8.85	2.17	NA	NA

Chemical	Units	SO-DA-020	SO-DA-020	SO-DA-020	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021
		0-0.5 ft 8/7/2013 SO-DA-020(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-020(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-020(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-021(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-021(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-021(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-021(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-021(2.0-3.0) Tier II
C2-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	57.0	2.48	0.957	270	41.7	6.70	NA	NA
C3-Fluoranthenes/Pyrenes	ug/kg	18.2	1.32	0.634	77.7	8.70	1.84	NA	NA
C3-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	54.2	3.31	1.66	256	33.3	6.41	NA	NA
C4-Fluoranthenes/Pyrenes	ug/kg	30.6	2.38	1.28	111	12.8	2.71	NA	NA
C4-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzothiophene	ug/kg	2.61	0.492	0.486	6.85	3.39	0.623	NA	NA
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Retene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,1,1-Trichloroethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,1,2,2-Tetrachloroethane	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,1,2-Trichloroethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 12 U	< 12 U	< 13 U	< 12 U	< 12 U	< 10 U	< 10 U	< 14 U
1,1-Dichloroethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,1-Dichloroethene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,1-Dichloropropene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2,3-Trichlorobenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2,3-Trichloropropane	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2,4-Trichlorobenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2,4-Trimethylbenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2-Dibromoethane (EDB)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2-Dichlorobenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2-Dichloroethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,2-Dichloropropane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,3,5-Trimethylbenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,3-Dichlorobenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,3-Dichloropropane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
1,4-Dichlorobenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
2,2-Dichloropropane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
2-Butanone (MEK)	ug/kg	31	< 12 U	< 13 U	9 J	< 12 U	< 10 U	< 10 U	< 14 U
2-Chlorotoluene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
2-Phenylbutane	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
4-Chlorotoluene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 12 U	< 12 U	< 13 U	< 12 U	< 12 U	< 10 U	< 10 U	< 14 U
Acetone	ug/kg	230	51	44	100	27	29	17 J	19 J
Allyl chloride	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Benzene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Bromobenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Bromochloromethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-020	SO-DA-020	SO-DA-020	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021	SO-DA-021
		0-0.5 ft 8/7/2013 SO-DA-020(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-020(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-020(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-021(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-021(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-021(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-021(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-021(2.0-3.0) Tier II
	Units								
Bromodichloromethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Bromoform (Tribromomethane)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Bromomethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Carbon Tetrachloride	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Chlorobenzene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Chloroethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Chloroform	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Chloromethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
cis-1,2-Dichloroethene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
cis-1,3-Dichloropropene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Dibromochloromethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Dibromomethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Dichlorofluoromethane	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Diethyl ether (Ethyl ether)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Ethylbenzene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Hexachloro-1,3-Butadiene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Isopropylbenzene (Cumene)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Methylene Chloride (Dichloromethane)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Methyl-tert-butyl ether	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
n-Butylbenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
n-Propylbenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
p-Isopropyltoluene (Cymene)	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Styrene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 UJ	< 5 U	< 7 U
Tert-Butylbenzene	ug/kg	< 6 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Tetrachloroethene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Tetrahydrofuran	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Toluene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
trans-1,2-Dichloroethene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
trans-1,3-Dichloropropene	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Trichloroethene	ug/kg	1 J	1 J	1 J	< 6 U	< 6 U	2 J	2 J	2 J
Trichlorofluoromethane (CFC-11)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Vinyl Chloride	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U
Xylene (Total)	ug/kg	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 5 U	< 5 U	< 7 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-021 3-4 ft 8/8/2013 SO-DA-021(3.0-4.0) Tier II	SO-DA-022 0-0.5 ft 8/7/2013 SO-DA-022(0.0-0.5) Tier II	SO-DA-022 0-0.5 ft 8/7/2013 SO-DA-DUP-04-080713FD Tier II	SO-DA-022 0.5-1 ft 8/7/2013 SO-DA-022(0.5-1.0) Tier II	SO-DA-022 1-1.5 ft 8/7/2013 SO-DA-022(1.0-1.5) Tier II	SO-DA-023 0-0.5 ft 8/8/2013 SO-DA-023(0.0-0.5) Tier II	SO-DA-023 0-0.5 ft 8/8/2013 SO-DA-DUP-05-080813FD Tier II	SO-DA-023 0.5-1 ft 8/8/2013 SO-DA-023(0.5-1.0) Tier II
Chemical	Units								
Grain Size									
Sieve 3 inch, % passing	% passing	NA	100	NA	NA	NA	100	NA	NA
Sieve 1.5 inch, % passing	% passing	NA	100	NA	NA	NA	100	NA	NA
Sieve 0.75 inch, % passing	% passing	NA	100	NA	NA	NA	100	NA	NA
Sieve, 4750 micron, % passing	% passing	NA	99.9	NA	NA	NA	100	NA	NA
Sieve, 3350 micron, % passing	% passing	NA	99.7	NA	NA	NA	100	NA	NA
Sieve, 2360 micron, % passing	% passing	NA	99.4	NA	NA	NA	100	NA	NA
Sieve, 1180 micron, % passing	% passing	NA	99.1	NA	NA	NA	100	NA	NA
Sieve, 600 micron, % passing	% passing	NA	98.1	NA	NA	NA	99.9	NA	NA
Sieve, 300 micron, % passing	% passing	NA	96.5	NA	NA	NA	99.4	NA	NA
Sieve, 150 micron, % passing	% passing	NA	94.5	NA	NA	NA	98.5	NA	NA
Sieve, 75 micron, % passing	% passing	NA	91.5	NA	NA	NA	94.9	NA	NA
Sieve, 64 micron, % passing	% passing	NA	83.0	NA	NA	NA	83.5	NA	NA
Sieve, 50 micron, % passing	% passing	NA	65.0	NA	NA	NA	63.0	NA	NA
Sieve, 20 micron, % passing	% passing	NA	32.0	NA	NA	NA	24.0	NA	NA
Sieve, 5 micron, % passing	% passing	NA	12.0	NA	NA	NA	12.0	NA	NA
Sieve, 2 micron, % passing	% passing	NA	8.0	NA	NA	NA	7.0	NA	NA
Sieve, 1 micron, % passing	% passing	NA	6.0	NA	NA	NA	2.5	NA	NA
Metals									
Arsenic	mg/kg	NA	6.76	7.19	7.79	6.48	5.05	5.55	5.08
Barium	mg/kg	NA	90.2 J	762 J	89.6	74.6	79.1	78.8	78.0
Cadmium	mg/kg	NA	< 0.658 U	0.101 J	< 0.551 U	< 0.533 U	< 0.586 U	< 0.589 U	< 0.579 U
Chromium	mg/kg	NA	15.2	19.7	22.5	16.3	12.7	12.5	14.2
Lead	mg/kg	NA	18.4	28.3	14.2	13.0	16.3	16.2	11.4
Mercury	mg/kg	NA	0.0360 J	0.0270 J	0.0284 J	0.0263 J	0.0209 J	0.0315 J	0.0276 J
Nickel	mg/kg	NA	9.99	15.6	8.91	9.51	9.67	9.81	10.9
Selenium	mg/kg	NA	< 2.63 U	4.71	< 2.20 U	< 2.13 U	< 2.35 U	< 2.35 U	< 2.32 U
Silver	mg/kg	NA	< 0.658 U	0.522 J	< 0.551 U	< 0.533 U	< 0.586 U	< 0.589 U	< 0.579 U
Vanadium	mg/kg	NA	26.6	36.0	31.7	29.7	21.9	21.2	25.0
Other									
Black Carbon	%	NA	< 0.21 U	< 0.19 U	NA	NA	< 0.2 U	< 0.19 U	NA
Percent Moisture	%	14.2	25.5	17.2	10.1	8.0	17.2	15.9	17.0
Total Organic Carbon	%	NA	1.76	1.65	NA	NA	1.21	1.22	NA
Priority PAHs									
1-Methylnaphthalene	ug/kg	NA	4.02	2.85	0.501 J	0.397 J	2.75	2.75	1.02
2-Methylnaphthalene	ug/kg	NA	7.27	5.42	1.03 J	0.808 J	7.56	8.17	2.17
Acenaphthene	ug/kg	NA	< 0.1 U	< 0.1 U	0.191	0.183	0.976 J	< 0.1 UJ	< 0.1 U
Acenaphthylene	ug/kg	NA	1.99 J	< 0 UJ	0.131	0.101	2.01 J	< 0.04 UJ	< 0.04 U
Anthracene	ug/kg	NA	< 0.1 U	< 0.1 U	< 0.1 U	0.057 J	< 0.1 U	< 0.1 U	< 0.1 U
Benzo(a)Anthracene	ug/kg	NA	< 0.2 U	< 0.2 U	0.294	0.442	6.99	5.29	0.471
Benzo(a)Pyrene	ug/kg	NA	12.0	11.7	0.142	0.167	12.5	9.09	0.426
Benzo(b)Fluoranthene	ug/kg	NA	23.0	27.8	0.989	1.03	27.9	25.7	1.76
Benzo(g,h,i)Perylene	ug/kg	NA	20.4	19.0	0.567	0.804	22.9	26.8	2.33
Benzo(j) + (k)Fluoranthene	ug/kg	NA	8.63	11.1	0.210	0.213	12.4 J	6.90	0.882
Chrysene/Triphenylene	ug/kg	NA	61.2 J	< 0.1 UJ	2.05	2.65	47.2	50.0	3.89
Dibenz(a,h)Anthracene	ug/kg	NA	4.90	4.71	0.196	0.234	5.12	5.87	0.515
Fluoranthene	ug/kg	NA	13.2	13.6	0.861	0.738	12.8	10.8	1.61
Fluorene	ug/kg	NA	4.45 J	< 0.2 UJ	< 0.2 U	1.38	5.40 J	2.49 J	2.62
Indeno[1,2,3-cd]pyrene	ug/kg	NA	6.05	5.89	0.292	0.395	9.33	10.1	0.985
Naphthalene	ug/kg	NA	3.01	3.15	1.23	0.913	3.58	4.02	1.63
Phenanthrene	ug/kg	NA	32.1	22.3	4.06	3.32	18.0	13.7	7.85
Pyrene	ug/kg	NA	40.3	38.7	0.787	1.18	29.4	30.2	1.49

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-021 3-4 ft 8/8/2013 SO-DA-021(3.0-4.0) Tier II	SO-DA-022 0-0.5 ft 8/7/2013 SO-DA-022(0.0-0.5) Tier II	SO-DA-022 0-0.5 ft 8/7/2013 SO-DA-DUP-04-080713FD Tier II	SO-DA-022 0.5-1 ft 8/7/2013 SO-DA-022(0.5-1.0) Tier II	SO-DA-022 1-1.5 ft 8/7/2013 SO-DA-022(1.0-1.5) Tier II	SO-DA-023 0-0.5 ft 8/8/2013 SO-DA-023(0.0-0.5) Tier II	SO-DA-023 0-0.5 ft 8/8/2013 SO-DA-DUP-05-080813FD Tier II	SO-DA-023 0.5-1 ft 8/8/2013 SO-DA-023(0.5-1.0) Tier II
Chemical	Units								
Forensic PAHs									
Benzo(e)Pyrene	ug/kg	NA	34.1	33.3	1.10	1.46	40.2	41.1	2.86
C1-Chrysenes	ug/kg	NA	162 J	< 0.2 UJ	5.82	< 0.2 U	114	135	8.85
C1-Fluoranthenes/Pyrenes	ug/kg	NA	159	171	2.50	3.16	92.3	91.6	5.42
C1-Fluorenes	ug/kg	NA	35.3 J	< 0.4 UJ	0.866	0.881	21.7 J	< 0.4 UJ	1.89
C1-Phenanthrenes/Anthracenes	ug/kg	NA	143	98.0	< 0.1 U	< 0.1 U	30.1	27.3	5.51
C2-Chrysenes	ug/kg	NA	223 J	< 0.2 UJ	5.44	< 0.2 U	146	242	< 0.2 U
C2-Fluorenes	ug/kg	NA	143 J	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
C2-Naphthalenes	ug/kg	NA	50.9	31.2	2.75	2.16	12.6	12.6	4.78
C2-Phenanthrenes/Anthracenes	ug/kg	NA	446	369	< 0.3 U	< 0.3 U	174	146	13.0
C3-Chrysenes	ug/kg	NA	163 J	< 0.2 UJ	4.57	< 0.2 U	114	188	< 0.2 U
C3-Fluorenes	ug/kg	NA	281 J	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
C3-Naphthalenes	ug/kg	NA	160	115	2.45	2.55	27.4	26.1	3.60
C3-Phenanthrenes/Anthracenes	ug/kg	NA	780	798	< 0.3 U	< 0.3 U	447	355	23.3
C4-Chrysenes	ug/kg	NA	115 J	< 0.2 UJ	3.19	< 0.2 U	79.7	113	< 0.2 U
C4-Naphthalenes	ug/kg	NA	328	314	< 0.7 U	< 0.7 U	93.2 J	50.5 J	7.20
C4-Phenanthrenes/Anthracenes	ug/kg	NA	679	556	< 0.3 U	< 0.3 U	436	343	22.7
Perylene	ug/kg	NA	4.19 J	< 1.3 UJ	R	R	< 1.3 U	< 1.3 UJ	R
Phenanthrene, 2-methyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
18a-Oleanane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methyldibenzothiophene(1MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylfluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylphenanthrene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2/3-Methyldibenzothiophene(2MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylanthracene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylfluoranthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyldibenzothiophene(4MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Dibenzothiophenes	ug/kg	NA	176	120	< 0.1 U	< 0.1 U	26.4	22.7	2.57
C1-Naphthalenes	ug/kg	NA	7.17	5.26	0.972 J	0.767 J	6.59	7.13	2.07
C1-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C20-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C21-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C26(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C27(20R)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C28(20R)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C28(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C29-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Dibenzothiophenes	ug/kg	NA	542	460	< 0.2 U	< 0.2 U	189	129	8.66
C2-Fluoranthenes/Pyrenes	ug/kg	NA	261	248	5.32	6.13	155	163	9.53

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-021 3-4 ft 8/8/2013 SO-DA-021(3.0-4.0) Tier II	SO-DA-022 0-0.5 ft 8/7/2013 SO-DA-022(0.0-0.5) Tier II	SO-DA-022 0-0.5 ft 8/7/2013 SO-DA-DUP-04-080713FD Tier II	SO-DA-022 0.5-1 ft 8/7/2013 SO-DA-022(0.5-1.0) Tier II	SO-DA-022 1-1.5 ft 8/7/2013 SO-DA-022(1.0-1.5) Tier II	SO-DA-023 0-0.5 ft 8/8/2013 SO-DA-023(0.0-0.5) Tier II	SO-DA-023 0-0.5 ft 8/8/2013 SO-DA-DUP-05-080813FD Tier II	SO-DA-023 0.5-1 ft 8/8/2013 SO-DA-023(0.5-1.0) Tier II
Chemical	Units								
C2-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	NA	954	1013	< 0.2 U	< 0.2 U	529	380	23.7
C3-Fluoranthenes/Pyrenes	ug/kg	NA	216	180	4.57	5.37	129	186	6.90
C3-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	NA	822	812	< 0.2 U	< 0.2 U	537	412	24.5
C4-Fluoranthenes/Pyrenes	ug/kg	NA	238	218	6.88	< 0.5 U	167 J	290 J	12.3
C4-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzothiophene	ug/kg	NA	36.7	23.4	0.588	0.484	9.34	6.46	1.10
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Retene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,1,1-Trichloroethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,1,2,2-Tetrachloroethane	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,1,2-Trichloroethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 13 U	< 15 U	< 13 U	< 12 U	< 13 U	< 13 U	< 12 U	< 10 U
1,1-Dichloroethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,1-Dichloroethene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,1-Dichloropropene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2,3-Trichlorobenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2,3-Trichloropropane	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2,4-Trichlorobenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2,4-Trimethylbenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2-Dibromoethane (EDB)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2-Dichlorobenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2-Dichloroethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,2-Dichloropropane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,3,5-Trimethylbenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,3-Dichlorobenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,3-Dichloropropane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
1,4-Dichlorobenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
2,2-Dichloropropane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
2-Butanone (MEK)	ug/kg	< 13 U	33	17	10 J	7 J	31	25	9 J
2-Chlorotoluene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
2-Phenylbutane	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
4-Chlorotoluene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 13 U	< 15 U	< 13 U	< 12 U	< 13 U	< 13 U	< 12 U	< 10 U
Acetone	ug/kg	< 25 U	240	160	98	79	220	190	80
Allyl chloride	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Benzene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Bromobenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Bromochloromethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-021	SO-DA-022	SO-DA-022	SO-DA-022	SO-DA-022	SO-DA-023	SO-DA-023	SO-DA-023
		3-4 ft 8/8/2013 SO-DA-021(3.0-4.0) Tier II	0-0.5 ft 8/7/2013 SO-DA-022(0.0-0.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-DUP-04-080713FD Tier II	0.5-1 ft 8/7/2013 SO-DA-022(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-022(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-023(0.0-0.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-DUP-05-080813FD Tier II	0.5-1 ft 8/8/2013 SO-DA-023(0.5-1.0) Tier II
Units									
Bromodichloromethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Bromoform (Tribromomethane)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Bromomethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Carbon Tetrachloride	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Chlorobenzene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Chloroethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Chloroform	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Chloromethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
cis-1,2-Dichloroethene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
cis-1,3-Dichloropropene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Dibromochloromethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Dibromomethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Dichlorofluoromethane	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Diethyl ether (Ethyl ether)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Ethylbenzene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Hexachloro-1,3-Butadiene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Isopropylbenzene (Cumene)	ug/kg	< 6 U	< 7 U	5 J	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Methylene Chloride (Dichloromethane)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Methyl-tert-butyl ether	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
n-Butylbenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
n-Propylbenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
p-Isopropyltoluene (Cymene)	ug/kg	< 6 U	< 7 UJ	3 J	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Styrene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Tert-Butylbenzene	ug/kg	< 6 U	< 7 UJ	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Tetrachloroethene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Tetrahydrofuran	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Toluene	ug/kg	< 6 U	< 7 U	2 J	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
trans-1,2-Dichloroethene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
trans-1,3-Dichloropropene	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Trichloroethene	ug/kg	2 J	2 J	< 6 U	2 J	3 J	5 J	3 J	2 J
Trichlorofluoromethane (CFC-11)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Vinyl Chloride	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U
Xylene (Total)	ug/kg	< 6 U	< 7 U	< 6 U	< 6 U	< 7 U	< 7 U	< 6 U	< 5 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-023 1-1.5 ft 8/8/2013 SO-DA-023(1.0-1.5) Tier II	SO-DA-023 1.5-2 ft 8/8/2013 SO-DA-023(1.5-2.0) Tier II	SO-DA-023 2-3 ft 8/8/2013 SO-DA-023(2.0-3.0) Tier II	SO-DA-023 3-4 ft 8/8/2013 SO-DA-023(3.0-4.0) Tier II	SO-DA-024 0-0.5 ft 8/8/2013 SO-DA-024(0.0-0.5) Tier II	SO-DA-024 0.5-1 ft 8/8/2013 SO-DA-024(0.5-1.0) Tier II	SO-DA-024 1-1.5 ft 8/8/2013 SO-DA-024(1.0-1.5) Tier II	SO-DA-025 0-0.5 ft 8/7/2013 SO-DA-025(0.0-0.5) Tier II
Chemical	Units								
Grain Size									
Sieve 3 inch, % passing	% passing	NA	NA	NA	NA	100	NA	NA	100
Sieve 1.5 inch, % passing	% passing	NA	NA	NA	NA	100	NA	NA	100
Sieve 0.75 inch, % passing	% passing	NA	NA	NA	NA	100	NA	NA	100
Sieve, 4750 micron, % passing	% passing	NA	NA	NA	NA	99.6	NA	NA	99.5
Sieve, 3350 micron, % passing	% passing	NA	NA	NA	NA	99.4	NA	NA	99.3
Sieve, 2360 micron, % passing	% passing	NA	NA	NA	NA	99.2	NA	NA	99.1
Sieve, 1180 micron, % passing	% passing	NA	NA	NA	NA	98.4	NA	NA	98.7
Sieve, 600 micron, % passing	% passing	NA	NA	NA	NA	96.9	NA	NA	97.8
Sieve, 300 micron, % passing	% passing	NA	NA	NA	NA	95.5	NA	NA	96.6
Sieve, 150 micron, % passing	% passing	NA	NA	NA	NA	89.1	NA	NA	95.7
Sieve, 75 micron, % passing	% passing	NA	NA	NA	NA	79.2	NA	NA	94.6
Sieve, 64 micron, % passing	% passing	NA	NA	NA	NA	69.0	NA	NA	90.5
Sieve, 50 micron, % passing	% passing	NA	NA	NA	NA	46.0	NA	NA	81.0
Sieve, 20 micron, % passing	% passing	NA	NA	NA	NA	14.0	NA	NA	63.0
Sieve, 5 micron, % passing	% passing	NA	NA	NA	NA	8.0	NA	NA	30.0
Sieve, 2 micron, % passing	% passing	NA	NA	NA	NA	6.0	NA	NA	22.0
Sieve, 1 micron, % passing	% passing	NA	NA	NA	NA	4.0	NA	NA	17.0
Metals									
Arsenic	mg/kg	5.59	NA	NA	NA	8.74	2.77	6.77	4.99
Barium	mg/kg	64.5	NA	NA	NA	75.1	92.1	80.9	124
Cadmium	mg/kg	< 0.599 U	NA	NA	NA	< 0.571 U	< 2.97 U	< 0.580 U	< 0.755 U
Chromium	mg/kg	16.2	NA	NA	NA	26.4	45.9	37.6	17.0
Lead	mg/kg	10.9	NA	NA	NA	12.5	15.3	13.9	30.2
Mercury	mg/kg	0.0299 J	NA	NA	NA	0.0136 J	0.0158 J	0.0243 J	0.0287 J
Nickel	mg/kg	10.8	NA	NA	NA	11.2	15.4	13.7	10.8
Selenium	mg/kg	< 2.40 U	NA	NA	NA	< 2.28 U	< 11.9 U	< 2.32 U	1.92 J
Silver	mg/kg	< 0.599 U	NA	NA	NA	< 0.571 U	0.357 J	0.283 J	< 0.755 U
Vanadium	mg/kg	28.9	NA	NA	NA	40.7	62.2	56.0	31.6
Other									
Black Carbon	%	NA	NA	NA	NA	< 0.19 U	NA	NA	< 0.2 U
Percent Moisture	%	19.8	22.1	19.8	15.4	13.3	18.3	16.3	35.1
Total Organic Carbon	%	NA	NA	NA	NA	0.61	NA	NA	1.48
Priority PAHs									
1-Methylnaphthalene	ug/kg	0.568	NA	NA	NA	2.31	0.862	1.10	3.39
2-Methylnaphthalene	ug/kg	1.18 J	NA	NA	NA	4.52	1.82	2.16	5.61
Acenaphthene	ug/kg	< 0.1 U	NA	NA	NA	< 0.1 U	< 0.1 U	< 0.1 U	0.304
Acenaphthylene	ug/kg	< 0.04 U	NA	NA	NA	< 0.04 U	< 0.04 U	< 0.04 U	0.824
Anthracene	ug/kg	< 0.1 U	NA	NA	NA	0.529	< 0.1 U	< 0.1 U	0.860
Benzo(a)Anthracene	ug/kg	0.446	NA	NA	NA	2.10	< 0.2 U	< 0.2 U	2.73
Benzo(a)Pyrene	ug/kg	0.336	NA	NA	NA	2.13	0.046 J	< 0.1 U	3.11
Benzo(b)Fluoranthene	ug/kg	1.25	NA	NA	NA	8.18	0.266	0.081 J	11.0
Benzo(g,h,i)Perylene	ug/kg	1.72	NA	NA	NA	9.77	0.214	0.067 J	4.92
Benzo(j)+(k)Fluoranthene	ug/kg	0.485	NA	NA	NA	2.55	0.082 J	0.019 J	3.32
Chrysene/Triphenylene	ug/kg	2.69	NA	NA	NA	20.1	0.521	< 0.1 U	18.7
Dibenz(a,h)Anthracene	ug/kg	0.338	NA	NA	NA	1.99	0.071	0.029 J	1.70
Fluoranthene	ug/kg	0.883	NA	NA	NA	6.69	1.16	1.58	8.18
Fluorene	ug/kg	1.21	NA	NA	NA	2.86	3.40	5.62	2.62
Indeno[1,2,3-cd]pyrene	ug/kg	0.607	NA	NA	NA	3.56	0.127	0.042 J	2.81
Naphthalene	ug/kg	0.913	NA	NA	NA	2.09	1.54	1.64	3.84
Phenanthrene	ug/kg	3.43	NA	NA	NA	19.0	9.28	15.3	15.5
Pyrene	ug/kg	1.39	NA	NA	NA	14.1	0.236	0.139	9.47

Chemical	Units	SO-DA-023	SO-DA-023	SO-DA-023	SO-DA-023	SO-DA-024	SO-DA-024	SO-DA-024	SO-DA-025
		1-1.5 ft 8/8/2013 SO-DA-023(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-023(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-023(2.0-3.0) Tier II	3-4 ft 8/8/2013 SO-DA-023(3.0-4.0) Tier II	0-0.5 ft 8/8/2013 SO-DA-024(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-024(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-024(1.0-1.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-025(0.0-0.5) Tier II
Forensic PAHs									
Benzo(e)Pyrene	ug/kg	1.94	NA	NA	NA	10.4	0.332	0.106 J	8.48
C1-Chrysenes	ug/kg	6.33	NA	NA	NA	51.8	1.46	< 0.2 U	29.7
C1-Fluoranthenes/Pyrenes	ug/kg	4.50	NA	NA	NA	36.7	0.765	< 0.5 U	28.0
C1-Fluorenes	ug/kg	0.939	NA	NA	NA	13.0	1.32	2.40	5.53
C1-Phenanthrenes/Anthracenes	ug/kg	4.13	NA	NA	NA	61.0	4.62	5.25	38.4
C2-Chrysenes	ug/kg	< 0.2 U	NA	NA	NA	82.5	< 0.2 U	< 0.2 U	38.5
C2-Fluorenes	ug/kg	< 0.4 U	NA	NA	NA	50.4	< 0.4 U	3.22	30.4
C2-Naphthalenes	ug/kg	2.51	NA	NA	NA	16.6	3.53	5.10	12.6
C2-Phenanthrenes/Anthracenes	ug/kg	11.2	NA	NA	NA	144	6.64	5.23	103
C3-Chrysenes	ug/kg	< 0.2 U	NA	NA	NA	56.3	< 0.2 U	< 0.2 U	29.2
C3-Fluorenes	ug/kg	< 0.4 U	NA	NA	NA	90.2	< 0.4 U	< 0.4 U	71.0
C3-Naphthalenes	ug/kg	2.25	NA	NA	NA	39.9	2.43	3.37	24.7
C3-Phenanthrenes/Anthracenes	ug/kg	18.4	NA	NA	NA	172	4.16	< 0.3 U	153
C4-Chrysenes	ug/kg	< 0.2 U	NA	NA	NA	37.5	< 0.2 U	< 0.2 U	16.6
C4-Naphthalenes	ug/kg	3.96	NA	NA	NA	59.8	2.89	3.96	46.1
C4-Phenanthrenes/Anthracenes	ug/kg	16.7	NA	NA	NA	120	3.26	< 0.3 U	103
Perylene	ug/kg	R	NA	NA	NA	1.12 J	R	R	1.16 J
Phenanthrene, 2-methyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
18a-Oleanane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylbenzothiophene(1MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylfluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylphenanthrene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2/3-Methylbenzothiophene(2MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylanthracene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylfluoranthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylbenzothiophene(4MDT)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C1-Dibenzothiophenes	ug/kg	1.55	NA	NA	NA	72.7	1.25	0.904	32.9
C1-Naphthalenes	ug/kg	1.14	NA	NA	NA	4.44	1.74	2.12	5.71
C1-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C20-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C21-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C26(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C27(20R)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C28(20R)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C28(20S)-TAS	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C29-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C2-Dibenzothiophenes	ug/kg	7.09	NA	NA	NA	165	3.23	1.42	108
C2-Fluoranthenes/Pyrenes	ug/kg	6.94	NA	NA	NA	56.6	1.25	< 0.5 U	45.3

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-023	SO-DA-023	SO-DA-023	SO-DA-023	SO-DA-024	SO-DA-024	SO-DA-024	SO-DA-025
		1-1.5 ft 8/8/2013 SO-DA-023(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-023(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-023(2.0-3.0) Tier II	3-4 ft 8/8/2013 SO-DA-023(3.0-4.0) Tier II	0-0.5 ft 8/8/2013 SO-DA-024(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-024(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-024(1.0-1.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-025(0.0-0.5) Tier II
Units									
C2-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	22.4	NA	NA	NA	261	4.19	1.45	183
C3-Fluoranthenes/Pyrenes	ug/kg	5.08	NA	NA	NA	59.1	1.35	< 0.5 U	43.6
C3-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	18.1	NA	NA	NA	195	3.46	0.827	142
C4-Fluoranthenes/Pyrenes	ug/kg	9.54	NA	NA	NA	89.3	< 0.5 U	< 0.5 U	54.7
C4-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzothiophene	ug/kg	0.589	NA	NA	NA	13.4	0.761	1.03	6.14
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Retene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,1,1-Trichloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,1,2,2-Tetrachloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,1,2-Trichloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 11 U	< 11 U	< 10 U	< 12 U	< 11 U	< 9 U	< 11 U	< 16 U
1,1-Dichloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,1-Dichloroethene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,1-Dichloropropene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2,3-Trichlorobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2,3-Trichloropropane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2,4-Trichlorobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2,4-Trimethylbenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2-Dibromoethane (EDB)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2-Dichlorobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2-Dichloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,2-Dichloropropane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,3,5-Trimethylbenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,3-Dichlorobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,3-Dichloropropane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
1,4-Dichlorobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
2,2-Dichloropropane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
2-Butanone (MEK)	ug/kg	< 11 U	< 11 U	< 10 U	< 12 U	5 J	< 9 U	< 11 U	7 J
2-Chlorotoluene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
2-Phenylbutane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
4-Chlorotoluene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 11 U	< 11 U	< 10 U	< 12 U	< 11 U	< 9 U	< 11 U	< 16 U
Acetone	ug/kg	17 J	20 J	< 21 U	< 23 U	56	50	56	130
Allyl chloride	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Benzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Bromobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Bromochloromethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-023	SO-DA-023	SO-DA-023	SO-DA-023	SO-DA-024	SO-DA-024	SO-DA-024	SO-DA-025
		1-1.5 ft 8/8/2013 SO-DA-023(1.0-1.5) Tier II	1.5-2 ft 8/8/2013 SO-DA-023(1.5-2.0) Tier II	2-3 ft 8/8/2013 SO-DA-023(2.0-3.0) Tier II	3-4 ft 8/8/2013 SO-DA-023(3.0-4.0) Tier II	0-0.5 ft 8/8/2013 SO-DA-024(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-024(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-024(1.0-1.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-025(0.0-0.5) Tier II
Units									
Bromodichloromethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Bromoform (Tribromomethane)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Bromomethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Carbon Tetrachloride	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Chlorobenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Chloroethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Chloroform	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Chloromethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
cis-1,2-Dichloroethene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
cis-1,3-Dichloropropene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Dibromochloromethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Dibromomethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Dichlorofluoromethane	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Diethyl ether (Ethyl ether)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Ethylbenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Hexachloro-1,3-Butadiene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Isopropylbenzene (Cumene)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Methylene Chloride (Dichloromethane)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Methyl-tert-butyl ether	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
n-Butylbenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
n-Propylbenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
p-Isopropyltoluene (Cymene)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Styrene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Tert-Butylbenzene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Tetrachloroethene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Tetrahydrofuran	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Toluene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
trans-1,2-Dichloroethene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
trans-1,3-Dichloropropene	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Trichloroethene	ug/kg	2 J	3 J	2 J	4 J	5 J	3 J	2 J	< 8 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Vinyl Chloride	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U
Xylene (Total)	ug/kg	< 5 U	< 6 U	< 5 U	< 6 U	< 5 U	< 5 U	< 6 U	< 8 U

Location Depths (ft) Sample Date Sample ID Validation Level	Units	SO-DA-025	SO-DA-025	SO-DA-026	SO-DA-026	SO-DA-026	SO-DA-027	SO-DA-027	SO-DA-027
		0.5-1 ft 8/7/2013 SO-DA-025(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-025(1.0-1.5) Tier II	0-0.5 ft 8/11/2013 SO-DA-026-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-026-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-026-(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-027(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-027(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-027(1.0-1.5) Tier II
Chemical									
Grain Size									
Sieve 3 inch, % passing	% passing	NA	NA	100	NA	NA	100	NA	NA
Sieve 1.5 inch, % passing	% passing	NA	NA	100	NA	NA	100	NA	NA
Sieve 0.75 inch, % passing	% passing	NA	NA	100	NA	NA	100	NA	NA
Sieve, 4750 micron, % passing	% passing	NA	NA	100	NA	NA	100	NA	NA
Sieve, 3350 micron, % passing	% passing	NA	NA	100	NA	NA	100	NA	NA
Sieve, 2360 micron, % passing	% passing	NA	NA	99.8	NA	NA	99.8	NA	NA
Sieve, 1180 micron, % passing	% passing	NA	NA	99.6	NA	NA	99.5	NA	NA
Sieve, 600 micron, % passing	% passing	NA	NA	99.2	NA	NA	98.1	NA	NA
Sieve, 300 micron, % passing	% passing	NA	NA	98.8	NA	NA	96.8	NA	NA
Sieve, 150 micron, % passing	% passing	NA	NA	98.4	NA	NA	92.3	NA	NA
Sieve, 75 micron, % passing	% passing	NA	NA	97.4	NA	NA	83.5	NA	NA
Sieve, 64 micron, % passing	% passing	NA	NA	87.0	NA	NA	76.0	NA	NA
Sieve, 50 micron, % passing	% passing	NA	NA	61.5	NA	NA	60.0	NA	NA
Sieve, 20 micron, % passing	% passing	NA	NA	27.0	NA	NA	31.0	NA	NA
Sieve, 5 micron, % passing	% passing	NA	NA	13.0	NA	NA	19.0	NA	NA
Sieve, 2 micron, % passing	% passing	NA	NA	6.0	NA	NA	13.0	NA	NA
Sieve, 1 micron, % passing	% passing	NA	NA	0.50	NA	NA	7.0	NA	NA
Metals									
Arsenic	mg/kg	5.44	4.89	6.72	5.50	7.53	13.8	42.8	39.8
Barium	mg/kg	67.0	70.0	93.1	74.5	204	173	77.8	83.9
Cadmium	mg/kg	< 0.623 U	< 0.621 U	< 0.625 U	< 0.627 U	< 0.633 U	< 0.558 U	< 2.80 U	< 2.94 U
Chromium	mg/kg	15.1	21.9	16.2	13.7	41.9	33.1	70.8	89.6
Lead	mg/kg	12.1	11.0	21.4	16.6	14.7	31.1	32.0	34.6
Mercury	mg/kg	0.0144 J	0.0190 J	0.0275 J	0.0134 J	< 0.127 U	0.0304 J	< 0.111 U	0.0151 J
Nickel	mg/kg	7.23	8.66	10.9	10.2	30.3	15.9	22.2	37.7
Selenium	mg/kg	1.41 J	1.16 J	< 2.50 U	< 2.51 U	< 2.53 U	< 11.2 U	< 11.2 U	< 11.8 U
Silver	mg/kg	< 0.623 U	< 0.621 U	< 0.625 U	< 0.627 U	< 0.633 U	0.345 J	< 2.80 U	1.05 J
Vanadium	mg/kg	31.2	44.6	27.5	22.2	64.5	49.2	52.5	52.8
Other									
Black Carbon	%	NA	NA	< 0.16 U	NA	NA	< 0.19 U	NA	NA
Percent Moisture	%	19.8	20.3	20.8	21.1	22.6	11.3	13.3	15.1
Total Organic Carbon	%	NA	NA	1.11 J	NA	NA	1.43	NA	NA
Priority PAHs									
1-Methylnaphthalene	ug/kg	0.717	0.406 J	3.30	1.02	1.05	2.86	0.869	0.409 J
2-Methylnaphthalene	ug/kg	1.34	0.668 J	7.37	2.62	2.10	3.76	1.81	0.867 J
Acenaphthene	ug/kg	< 0.1 U	< 0.1 U	0.352	< 0.1 U	< 0.1 U	< 0.1 U	0.081 J	< 0.1 U
Acenaphthylene	ug/kg	< 0 U	< 0 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	0.119	< 0.04 U
Anthracene	ug/kg	< 0.1 U	< 0.1 U	0.303	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Benzo(a)Anthracene	ug/kg	0.109 J	0.143 J	0.547	0.094 J	< 0.2 U	1.80	< 0.2 U	0.076 J
Benzo(a)Pyrene	ug/kg	< 0.1 U	< 0.1 U	0.283 J	0.020 J	< 0.1 U	1.50	< 0.1 U	< 0.1 U
Benzo(b)Fluoranthene	ug/kg	< 0.2 U	< 0.2 U	1.53	0.250	< 0.2 U	4.71	0.177 J	0.222
Benzo(g,h,i)Perylene	ug/kg	< 0.1 U	0.137	0.478	0.057 J	< 0.1 U	7.04	0.081 J	0.120
Benzo(j)+(k)Fluoranthene	ug/kg	< 0.1 U	< 0.1 U	0.272	0.098 J	< 0.1 U	1.63	0.028 J	0.038 J
Chrysene/Triphenylene	ug/kg	0.145	0.262	1.02	0.230	< 0.1 U	14.1	< 0.1 U	0.448
Dibenz(a,h)Anthracene	ug/kg	< 0.1 U	< 0.1 U	< 0.1 U	0.047 J	< 0.1 U	1.32	0.036 J	0.052 J
Fluoranthene	ug/kg	0.675	0.572	2.66	0.602	0.427	6.53	0.913	0.432
Fluorene	ug/kg	1.95	1.08	6.92	1.48	2.01	3.73	2.46	0.925
Indeno[1,2,3-cd]pyrene	ug/kg	< 0.1 U	0.113	0.534	0.102	< 0.1 U	1.91	0.069	0.083
Naphthalene	ug/kg	1.05	0.579	8.56	3.64	2.98	2.37	1.74	1.16
Phenanthrene	ug/kg	5.50	3.51	16.6 J	3.93	4.07	28.3	7.15	3.10
Pyrene	ug/kg	0.219	0.375	0.921	0.139	0.077 J	11.4	0.128 J	0.169

Chemical	Units	Location	SO-DA-025	SO-DA-025	SO-DA-026	SO-DA-026	SO-DA-026	SO-DA-027	SO-DA-027	SO-DA-027
		Depths (ft)	0.5-1 ft	1-1.5 ft	0-0.5 ft	0.5-1 ft	1-1.5 ft	0-0.5 ft	0.5-1 ft	1-1.5 ft
		Sample Date	8/7/2013	8/7/2013	8/11/2013	8/11/2013	8/11/2013	8/8/2013	8/8/2013	8/8/2013
		Sample ID	SO-DA-025(0.5-1.0)	SO-DA-025(1.0-1.5)	SO-DA-026-(0.0-0.5)	SO-DA-026-(0.5-1.0)	SO-DA-026-(1.0-1.5)	SO-DA-027(0.0-0.5)	SO-DA-027(0.5-1.0)	SO-DA-027(1.0-1.5)
		Validation Level	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II
Forensic PAHs										
Benzo(e)Pyrene	ug/kg		< 0.2 U	< 0.2 U	0.730	0.148 J	< 0.2 U	6.70	0.148 J	0.245
C1-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	50.0	< 0.2 U	1.11
C1-Fluoranthenes/Pyrenes	ug/kg		0.356 J	0.524	1.02	0.132 J	< 0.5 U	< 0.5 U	< 0.5 U	0.435 J
C1-Fluorenes	ug/kg		1.03	0.693	2.86	0.633	0.834	14.4	1.12	0.601
C1-Phenanthrenes/Anthracenes	ug/kg		< 0.1 U	< 0.1 U	5.54	< 0.1 U	< 0.1 U	81.3	3.88	3.29
C2-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	65.8	< 0.2 U	< 0.2 U
C2-Fluorenes	ug/kg		< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	64.5	1.76	< 0.4 U
C2-Naphthalenes	ug/kg		3.62	1.98	7.53	1.77	< 0.7 U	27.1	3.66	1.27
C2-Phenanthrenes/Anthracenes	ug/kg		< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	157	4.46	5.68
C3-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	46.9	< 0.2 U	< 0.2 U
C3-Fluorenes	ug/kg		< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	112	< 0.4 U	< 0.4 U
C3-Naphthalenes	ug/kg		4.29	2.89	3.82	1.36	< 0.7 U	71.0	2.15	1.06
C3-Phenanthrenes/Anthracenes	ug/kg		< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	192	< 0.3 U	2.95
C4-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	31.5	< 0.2 U	< 0.2 U
C4-Naphthalenes	ug/kg		< 0.7 U	3.38	4.33	< 0.7 U	< 0.7 U	83.8	2.53	< 0.7 U
C4-Phenanthrenes/Anthracenes	ug/kg		< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	139	< 0.3 U	2.18
Perylene	ug/kg		R	R	R	R	R	0.800 J	R	R
Phenanthrene, 2-methyl-	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
18a-Oleanane	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methyldibenzothiophene(1MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylfluorene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylphenanthrene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2/3-Methyldibenzothiophene(2MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2-Methylantracene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2-Methylfluoranthene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
4-Methyldibenzothiophene(4MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluorene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzothiophene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Decalins	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Dibenzothiophenes	ug/kg		0.536	0.660	1.17	0.428	0.310	103	0.905	0.760
C1-Naphthalenes	ug/kg		1.31	0.681 J	6.95	2.37	2.05	4.28	1.74	0.830 J
C1-Naphthobenzothiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C20-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C21-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C26(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C27(20R)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C28(20R)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C28(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C29-Hopane	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Decalins	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Dibenzothiophenes	ug/kg		0.932	1.43	1.02	0.432	0.429	195	1.41	2.19
C2-Fluoranthenes/Pyrenes	ug/kg		< 0.5 U	0.814	< 0.5 U	0.384 J	< 0.5 U	< 0.5 U	< 0.5 U	1.08

Chemical	Units	SO-DA-025	SO-DA-025	SO-DA-026	SO-DA-026	SO-DA-026	SO-DA-027	SO-DA-027	SO-DA-027
		0.5-1 ft 8/7/2013 SO-DA-025(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-025(1.0-1.5) Tier II	0-0.5 ft 8/11/2013 SO-DA-026-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-026-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-026-(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-027(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-027(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-027(1.0-1.5) Tier II
C2-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	0.954	2.35	< 0.2 U	0.360	0.563	276	1.62	3.80
C3-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	0.765	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.14
C3-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	0.906	2.51	< 0.2 U	< 0.2 U	0.375	183	0.833	2.62
C4-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	1.36	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C4-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzothiophene	ug/kg	0.470	0.384	1.12	0.382	0.260	18.9	0.767	0.406
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Retene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,1,1-Trichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,1,2,2-Tetrachloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,1,2-Trichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 10 U	< 10 U	< 12 U	< 11 U	< 13 U	< 11 U	< 10 U	< 11 U
1,1-Dichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,1-Dichloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,1-Dichloropropene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2,3-Trichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2,3-Trichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2,4-Trichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2,4-Trimethylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2-Dibromoethane (EDB)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2-Dichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2-Dichloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,2-Dichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,3,5-Trimethylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,3-Dichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,3-Dichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
1,4-Dichlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
2,2-Dichloropropane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
2-Butanone (MEK)	ug/kg	< 10 U	7 J	12 J	12	< 13 U	8 J	5 J	10 J
2-Chlorotoluene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
2-Phenylbutane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
4-Chlorotoluene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 10 U	< 10 U	< 12 U	< 11 U	< 13 U	< 11 U	< 10 U	< 11 U
Acetone	ug/kg	46	74	130	100	33	110	76	110
Allyl chloride	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Benzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Bromobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Bromochloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U

Chemical	Units	SO-DA-025	SO-DA-025	SO-DA-026	SO-DA-026	SO-DA-026	SO-DA-027	SO-DA-027	SO-DA-027
		0.5-1 ft 8/7/2013 SO-DA-025(0.5-1.0) Tier II	1-1.5 ft 8/7/2013 SO-DA-025(1.0-1.5) Tier II	0-0.5 ft 8/11/2013 SO-DA-026-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-026-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-026-(1.0-1.5) Tier II	0-0.5 ft 8/8/2013 SO-DA-027(0.0-0.5) Tier II	0.5-1 ft 8/8/2013 SO-DA-027(0.5-1.0) Tier II	1-1.5 ft 8/8/2013 SO-DA-027(1.0-1.5) Tier II
Bromodichloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Bromoform (Tribromomethane)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Bromomethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Carbon Tetrachloride	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Chlorobenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Chloroethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Chloroform	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Chloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
cis-1,2-Dichloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
cis-1,3-Dichloropropene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Dibromochloromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Dibromomethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Dichlorofluoromethane	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Diethyl ether (Ethyl ether)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Ethylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Hexachloro-1,3-Butadiene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Isopropylbenzene (Cumene)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Methylene Chloride (Dichloromethane)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Methyl-tert-butyl ether	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
n-Butylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
n-Propylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
p-Isopropyltoluene (Cymene)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Styrene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Tert-Butylbenzene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Tetrachloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Tetrahydrofuran	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Toluene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
trans-1,2-Dichloroethene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
trans-1,3-Dichloropropene	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Trichloroethene	ug/kg	1 J	< 5 U	4 J	1 J	2 J	2 J	2 J	3 J
Trichlorofluoromethane (CFC-11)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Vinyl Chloride	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U
Xylene (Total)	ug/kg	< 5 U	< 5 U	< 6 U	< 6 U	< 7 U	< 6 U	< 5 U	< 6 U

Location Depths (ft) Sample Date Sample ID Validation Level	Units	SO-DA-028	SO-DA-028	SO-DA-028	SO-DA-029	SO-DA-029	SO-DA-029	SO-DA-032	SO-DA-032
		0-0.5 ft 8/11/2013 SO-DA-028-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-028-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-028-(1.0-1.5) Tier II	0-0.5 ft 8/11/2013 SO-DA-029-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-029-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-029-(1.0-1.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-032(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-032(0.5-1.0) Tier II
Chemical									
Grain Size									
Sieve 3 inch, % passing	% passing	100	NA	NA	100	NA	NA	100	NA
Sieve 1.5 inch, % passing	% passing	100	NA	NA	100	NA	NA	100	NA
Sieve 0.75 inch, % passing	% passing	100	NA	NA	100	NA	NA	100	NA
Sieve, 4750 micron, % passing	% passing	99.6	NA	NA	99.9	NA	NA	100	NA
Sieve, 3350 micron, % passing	% passing	99.4	NA	NA	99.7	NA	NA	100	NA
Sieve, 2360 micron, % passing	% passing	99.2	NA	NA	99.4	NA	NA	100	NA
Sieve, 1180 micron, % passing	% passing	99.0	NA	NA	99.4	NA	NA	99.9	NA
Sieve, 600 micron, % passing	% passing	98.5	NA	NA	98.9	NA	NA	99.5	NA
Sieve, 300 micron, % passing	% passing	97.7	NA	NA	98.2	NA	NA	98.9	NA
Sieve, 150 micron, % passing	% passing	96.3	NA	NA	97.2	NA	NA	96.1	NA
Sieve, 75 micron, % passing	% passing	94.4	NA	NA	95.0	NA	NA	94.1	NA
Sieve, 64 micron, % passing	% passing	88.0	NA	NA	91.5	NA	NA	87.0	NA
Sieve, 50 micron, % passing	% passing	74.0	NA	NA	82.0	NA	NA	72.0	NA
Sieve, 20 micron, % passing	% passing	46.0	NA	NA	51.5	NA	NA	32.0	NA
Sieve, 5 micron, % passing	% passing	18.0	NA	NA	26.0	NA	NA	21.0	NA
Sieve, 2 micron, % passing	% passing	13.0	NA	NA	19.5	NA	NA	13.0	NA
Sieve, 1 micron, % passing	% passing	9.0	NA	NA	16.0	NA	NA	10.0	NA
Metals									
Arsenic	mg/kg	6.28	5.55	7.50	8.58	11.1	9.19	11.0	10.2
Barium	mg/kg	68.2	42.9	45.6	100	82.9	79.0	59.9	55.9
Cadmium	mg/kg	< 0.683 U	< 0.581 U	< 0.576 U	< 0.645 U	< 0.637 U	< 0.640 U	< 0.724 U	< 0.636 U
Chromium	mg/kg	15.5	14.9	21.2	25.5	23.2	26.4	20.4	16.9
Lead	mg/kg	30.4	10.7	11.6	26.7	23.4	24.8	15.8	13.2
Mercury	mg/kg	0.0377 J	0.0164 J	0.0134 J	0.0206 J	0.0254 J	0.0284 J	0.0301 J	0.0144 J
Nickel	mg/kg	8.31	7.12	9.02	13.1	10.9	11.9	6.69	6.31
Selenium	mg/kg	< 2.73 U	< 2.33 U	< 2.30 U	< 2.58 U	< 2.55 U	< 2.56 U	1.98 J	1.13 J
Silver	mg/kg	< 0.683 U	< 0.581 U	< 0.576 U	< 0.645 U	< 0.637 U	< 0.640 U	< 0.724 U	< 0.636 U
Vanadium	mg/kg	27.4	27.1	37.8	42.8	46.5	53.1	37.7	33.3
Other									
Black Carbon	%	< 0.17 U	NA	NA	< 0.17 U	NA	NA	< 0.19 U	NA
Percent Moisture	%	29.6	17.3	15.7	24.0	23.0	23.4	33.6	22.9
Total Organic Carbon	%	1.99	NA	NA	0.86 J	NA	NA	1.13	NA
Priority PAHs									
1-Methylnaphthalene	ug/kg	2.12	3.37	1.94	4.11	2.30	2.35	1.64	0.475 J
2-Methylnaphthalene	ug/kg	4.33	6.65	3.82	8.92	4.67	4.78	3.43	0.866 J
Acenaphthene	ug/kg	< 0.1 U	< 0.1 U	< 0.1 U	0.187	0.105	0.083 J	0.322	0.078 J
Acenaphthylene	ug/kg	< 0.04 U	< 0.04 U	< 0.04 U	0.175	0.078	0.044	0.918	0.082
Anthracene	ug/kg	0.259	0.079 J	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	1.00	0.059 J
Benzo(a)Anthracene	ug/kg	0.730	< 0.2 U	< 0.2 U	0.249	0.070 J	< 0.2 U	2.04	0.125 J
Benzo(a)Pyrene	ug/kg	0.467	< 0.1 U	< 0.1 U	0.055 J	< 0.1 U	0.026 J	3.22	< 0.1 U
Benzo(b)Fluoranthene	ug/kg	2.28	< 0.2 U	< 0.2 U	0.865	0.150 J	0.134 J	11.8	< 0.2 U
Benzo(g,h,i)Perylene	ug/kg	0.815	< 0.1 U	< 0.1 U	0.138	0.033 J	0.023 J	4.45	< 0.1 U
Benzo(j)+(k)Fluoranthene	ug/kg	0.904	< 0.1 U	< 0.1 U	0.255	0.033 J	0.025 J	3.68	< 0.1 U
Chrysene/Triphenylene	ug/kg	1.72	< 0.1 U	< 0.1 U	0.691	0.064 J	< 0.1 U	14.7	0.159
Dibenz(a,h)Anthracene	ug/kg	< 0.1 U	< 0.1 U	< 0.1 U	0.144	0.023 J	0.020 J	1.52	< 0.1 U
Fluoranthene	ug/kg	2.21	1.15	0.648	1.53	0.562	0.552	6.57	0.505
Fluorene	ug/kg	2.15	6.66	3.43	4.27	2.97	2.84	3.20	1.07
Indeno[1,2,3-cd]pyrene	ug/kg	0.966	< 0.1 U	< 0.1 U	0.354	0.075	0.055	2.73	< 0.1 U
Naphthalene	ug/kg	6.51	6.40	4.40	10.3	5.29	6.00	2.84	0.786
Phenanthrene	ug/kg	5.01	12.4	6.36	10.4	5.96	6.00	13.2	3.14
Pyrene	ug/kg	1.52	0.149	0.094 J	0.456	0.059 J	0.089 J	8.20	0.290

Chemical	Units	Location	SO-DA-028	SO-DA-028	SO-DA-028	SO-DA-029	SO-DA-029	SO-DA-029	SO-DA-032	SO-DA-032
		Depths (ft)	0-0.5 ft	0.5-1 ft	1-1.5 ft	0-0.5 ft	0.5-1 ft	1-1.5 ft	0-0.5 ft	0.5-1 ft
Sample Date	Sample ID	Validation Level	SO-DA-028-(0.0-0.5)	SO-DA-028-(0.5-1.0)	SO-DA-028-(1.0-1.5)	SO-DA-029-(0.0-0.5)	SO-DA-029-(0.5-1.0)	SO-DA-029-(1.0-1.5)	SO-DA-032(0.0-0.5)	SO-DA-032(0.5-1.0)
			Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II	Tier II
Forensic PAHs										
Benzo(e)Pyrene	ug/kg		1.163	< 0.2 U	< 0.2 U	0.398	0.068 J	0.074 J	8.12	< 0.2 U
C1-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	25.3	< 0.2 U
C1-Fluoranthenes/Pyrenes	ug/kg		1.31	< 0.5 U	< 0.5 U	0.451 J	< 0.5 U	< 0.5 U	22.8	0.326 J
C1-Fluorenes	ug/kg		1.13	2.46	1.90	1.69	1.00	0.955	5.41	0.653
C1-Phenanthrenes/Anthracenes	ug/kg		3.42	4.29	< 0.1 U	4.85	3.16	< 0.1 U	26.1	< 0.1 U
C2-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	30.6	< 0.2 U
C2-Fluorenes	ug/kg		< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	24.5	< 0.4 U
C2-Naphthalenes	ug/kg		5.00	8.26	4.77	10.1	4.75	4.52	7.61	2.44
C2-Phenanthrenes/Anthracenes	ug/kg		< 0.3 U	< 0.3 U	< 0.3 U	4.59	< 0.3 U	< 0.3 U	64.0	< 0.3 U
C3-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	24.6	< 0.2 U
C3-Fluorenes	ug/kg		< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	54.0	< 0.4 U
C3-Naphthalenes	ug/kg		3.88	5.79	4.62	7.32	2.23	1.78	15.8	4.75
C3-Phenanthrenes/Anthracenes	ug/kg		< 0.3 U	< 0.3 U	< 0.3 U	1.09	< 0.3 U	< 0.3 U	110	< 0.3 U
C4-Chrysenes	ug/kg		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	13.9	< 0.2 U
C4-Naphthalenes	ug/kg		2.17	3.89	< 0.7 U	19.3	6.43	5.10	30.3	4.24
C4-Phenanthrenes/Anthracenes	ug/kg		< 0.3 U	< 0.3 U	< 0.3 U	1.35	< 0.3 U	< 0.3 U	82.9	< 0.3 U
Perylene	ug/kg		R	R	R	R	R	0.074 J	1.65 J	R
Phenanthrene, 2-methyl-	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
18a-Oleanane	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methyldibenzothiophene(1MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylfluorene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylphenanthrene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2,3,5-Trimethylnaphthalene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2/3-Methyldibenzothiophene(2MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2-Methylanthracene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
2-Methylfluoranthene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
3,6-Dimethylphenanthrene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenanthrene (3MP)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
4-Methyldibenzothiophene(4MDT)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
9/4-Methylphenanthrene (9MP)	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Fluoranthene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluorene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
Benzothiophene	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Benzo(b)thiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Decalins	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C1-Dibenzothiophenes	ug/kg		< 0.1 U	< 0.1 U	< 0.1 U	1.52	0.451	0.406	24.2	0.537
C1-Naphthalenes	ug/kg		4.19	6.51	3.75	8.47	4.53	4.63	3.22	0.852 J
C1-Naphthobenzothiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C20-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C21-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C26(20R)/C27(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C26(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C27(20R)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C28(20R)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C28(20S)-TAS	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C29-Hopane	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Benzo(b)thiophenes	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Decalins	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA
C2-Dibenzothiophenes	ug/kg		< 0.2 U	< 0.2 U	0.334	1.70	0.486	0.391	75.5	0.832
C2-Fluoranthenes/Pyrenes	ug/kg		< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	36.1	< 0.5 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-028	SO-DA-028	SO-DA-028	SO-DA-029	SO-DA-029	SO-DA-029	SO-DA-032	SO-DA-032
		0-0.5 ft 8/11/2013 SO-DA-028-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-028-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-028-(1.0-1.5) Tier II	0-0.5 ft 8/11/2013 SO-DA-029-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-029-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-029-(1.0-1.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-032(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-032(0.5-1.0) Tier II
Units									
C2-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C30-Hopane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C3-Dibenzothiophenes	ug/kg	< 0.2 U	< 0.2 U	0.246	0.840	0.220 J	0.306	117	0.944
C3-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	34.0	< 0.5 U
C3-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Benzo(b)thiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Decalins	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
C4-Dibenzothiophenes	ug/kg	< 0.2 U	< 0.2 U	< 0.2 U	0.515	< 0.2 U	< 0.2 U	108	0.551
C4-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	42.1	< 0.5 U
C4-Naphthobenzothiophenes	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzothiophene	ug/kg	0.481	0.642	0.340	1.23	0.457	0.437	4.26	0.354
Naphthalene, 2,6-dimethyl-	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Naphthobenzothiophene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
Retene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA
VOCs									
1,1,1,2-Tetrachloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,1,1-Trichloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,1,2,2-Tetrachloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,1,2-Trichloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 18 U	< 10 U	< 10 U	< 13 U	< 12 U	< 10 U	< 17 U	< 11 U
1,1-Dichloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,1-Dichloroethene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,1-Dichloropropene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2,3-Trichlorobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2,3-Trichloropropane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2,4-Trichlorobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2,4-Trimethylbenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2-Dibromoethane (EDB)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2-Dichlorobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2-Dichloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,2-Dichloropropane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,3,5-Trimethylbenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,3-Dichlorobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,3-Dichloropropane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
1,4-Dichlorobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
2,2-Dichloropropane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
2-Butanone (MEK)	ug/kg	11 J	< 10 U	< 10 U	< 13 U	9 J	4 J	< 17 U	< 11 U
2-Chlorotoluene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
2-Phenylbutane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
4-Chlorotoluene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 18 U	< 10 U	< 10 U	< 13 U	< 12 U	< 10 U	< 17 U	< 11 U
Acetone	ug/kg	230	27	13 J	60	99	61	83	22
Allyl chloride	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Benzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Bromobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Bromochloromethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U

Chemical	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-028	SO-DA-028	SO-DA-028	SO-DA-029	SO-DA-029	SO-DA-029	SO-DA-032	SO-DA-032
		0-0.5 ft 8/11/2013 SO-DA-028-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-028-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-028-(1.0-1.5) Tier II	0-0.5 ft 8/11/2013 SO-DA-029-(0.0-0.5) Tier II	0.5-1 ft 8/11/2013 SO-DA-029-(0.5-1.0) Tier II	1-1.5 ft 8/11/2013 SO-DA-029-(1.0-1.5) Tier II	0-0.5 ft 8/7/2013 SO-DA-032(0.0-0.5) Tier II	0.5-1 ft 8/7/2013 SO-DA-032(0.5-1.0) Tier II
Units									
Bromodichloromethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Bromoform (Tribromomethane)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Bromomethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Carbon Tetrachloride	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Chlorobenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Chloroethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Chloroform	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Chloromethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
cis-1,2-Dichloroethene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
cis-1,3-Dichloropropene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Dibromochloromethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Dibromomethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Dichlorofluoromethane	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Diethyl ether (Ethyl ether)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Ethylbenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Hexachloro-1,3-Butadiene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Isopropylbenzene (Cumene)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Methylene Chloride (Dichloromethane)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Methyl-tert-butyl ether	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
n-Butylbenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
n-Propylbenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
p-Isopropyltoluene (Cymene)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Styrene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Tert-Butylbenzene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Tetrachloroethene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Tetrahydrofuran	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Toluene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
trans-1,2-Dichloroethene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
trans-1,3-Dichloropropene	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Trichloroethene	ug/kg	< 9 U	< 5 U	2 J	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Vinyl Chloride	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U
Xylene (Total)	ug/kg	< 9 U	< 5 U	< 5 U	< 7 U	< 6 U	< 5 U	< 8 U	< 5 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-032 1-1.5 ft 8/7/2013 SO-DA-032(1.0-1.5) Tier II
Chemical	Units	
Grain Size		
Sieve 3 inch, % passing	% passing	NA
Sieve 1.5 inch, % passing	% passing	NA
Sieve 0.75 inch, % passing	% passing	NA
Sieve, 4750 micron, % passing	% passing	NA
Sieve, 3350 micron, % passing	% passing	NA
Sieve, 2360 micron, % passing	% passing	NA
Sieve, 1180 micron, % passing	% passing	NA
Sieve, 600 micron, % passing	% passing	NA
Sieve, 300 micron, % passing	% passing	NA
Sieve, 150 micron, % passing	% passing	NA
Sieve, 75 micron, % passing	% passing	NA
Sieve, 64 micron, % passing	% passing	NA
Sieve, 50 micron, % passing	% passing	NA
Sieve, 20 micron, % passing	% passing	NA
Sieve, 5 micron, % passing	% passing	NA
Sieve, 2 micron, % passing	% passing	NA
Sieve, 1 micron, % passing	% passing	NA
Metals		
Arsenic	mg/kg	8.02
Barium	mg/kg	73.3
Cadmium	mg/kg	< 0.688 U
Chromium	mg/kg	31.9
Lead	mg/kg	15.0
Mercury	mg/kg	0.0237 J
Nickel	mg/kg	11.1
Selenium	mg/kg	1.96 J
Silver	mg/kg	< 0.688 U
Vanadium	mg/kg	60.5
Other		
Black Carbon	%	NA
Percent Moisture	%	29.4
Total Organic Carbon	%	NA
Priority PAHs		
1-Methylnaphthalene	ug/kg	0.516 J
2-Methylnaphthalene	ug/kg	0.966 J
Acenaphthene	ug/kg	0.085 J
Acenaphthylene	ug/kg	0.073
Anthracene	ug/kg	0.058 J
Benzo(a)Anthracene	ug/kg	< 0.2 U
Benzo(a)Pyrene	ug/kg	< 0.1 U
Benzo(b)Fluoranthene	ug/kg	< 0.2 U
Benzo(g,h,i)Perylene	ug/kg	< 0.1 U
Benzo(j) + (k)Fluoranthene	ug/kg	< 0.1 U
Chrysene/Triphenylene	ug/kg	< 0.1 U
Dibenz(a,h)Anthracene	ug/kg	< 0.1 U
Fluoranthene	ug/kg	0.447
Fluorene	ug/kg	1.20
Indeno[1,2,3-cd]pyrene	ug/kg	< 0.1 U
Naphthalene	ug/kg	0.807
Phenanthrene	ug/kg	3.23
Pyrene	ug/kg	0.278

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-032 1-1.5 ft 8/7/2013 SO-DA-032(1.0-1.5) Tier II
Chemical	Units	
Forensic PAHs		
Benzo(e)Pyrene	ug/kg	< 0.2 U
C1-Chrysenes	ug/kg	< 0.2 U
C1-Fluoranthenes/Pyrenes	ug/kg	0.463 J
C1-Fluorenes	ug/kg	0.770
C1-Phenanthrenes/Anthracenes	ug/kg	< 0.1 U
C2-Chrysenes	ug/kg	< 0.2 U
C2-Fluorenes	ug/kg	< 0.4 U
C2-Naphthalenes	ug/kg	2.75
C2-Phenanthrenes/Anthracenes	ug/kg	< 0.3 U
C3-Chrysenes	ug/kg	< 0.2 U
C3-Fluorenes	ug/kg	< 0.4 U
C3-Naphthalenes	ug/kg	3.35
C3-Phenanthrenes/Anthracenes	ug/kg	< 0.3 U
C4-Chrysenes	ug/kg	< 0.2 U
C4-Naphthalenes	ug/kg	3.38
C4-Phenanthrenes/Anthracenes	ug/kg	< 0.3 U
Perylene	ug/kg	R
Phenanthrene, 2-methyl-	ug/kg	NA
1,1-Biphenyl	ug/kg	NA
18a-Oleanane	ug/kg	NA
1-Methyldibenzothiophene(1MDT)	ug/kg	NA
1-Methylfluorene	ug/kg	NA
1-Methylphenanthrene	ug/kg	NA
2,3,5-Trimethylnaphthalene	ug/kg	NA
2/3-Methyldibenzothiophene(2MDT)	ug/kg	NA
2-Methylantracene	ug/kg	NA
2-Methylfluoranthene	ug/kg	NA
3,6-Dimethylphenanthrene	ug/kg	NA
3-Methylphenanthrene (3MP)	ug/kg	NA
4-Methyldibenzothiophene(4MDT)	ug/kg	NA
9/4-Methylphenanthrene (9MP)	ug/kg	NA
Benzo(a)Fluoranthene	ug/kg	NA
Benzo(b)fluorene	ug/kg	NA
Benzothiophene	ug/kg	NA
C1-Benzo(b)thiophenes	ug/kg	NA
C1-Decalins	ug/kg	NA
C1-Dibenzothiophenes	ug/kg	0.670
C1-Naphthalenes	ug/kg	0.942 J
C1-Naphthobenzothiophenes	ug/kg	NA
C20-TAS	ug/kg	NA
C21-TAS	ug/kg	NA
C26(20R)/C27(20S)-TAS	ug/kg	NA
C26(20S)-TAS	ug/kg	NA
C27(20R)-TAS	ug/kg	NA
C28(20R)-TAS	ug/kg	NA
C28(20S)-TAS	ug/kg	NA
C29-Hopane	ug/kg	NA
C2-Benzo(b)thiophenes	ug/kg	NA
C2-Decalins	ug/kg	NA
C2-Dibenzothiophenes	ug/kg	1.23
C2-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-032 1-1.5 ft 8/7/2013 SO-DA-032(1.0-1.5) Tier II
Chemical	Units	
C2-Naphthobenzothiophenes	ug/kg	NA
C30-Hopane	ug/kg	NA
C3-Benzo(b)thiophenes	ug/kg	NA
C3-Decalins	ug/kg	NA
C3-Dibenzothiophenes	ug/kg	1.56
C3-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U
C3-Naphthobenzothiophenes	ug/kg	NA
C4-Benzo(b)thiophenes	ug/kg	NA
C4-Decalins	ug/kg	NA
C4-Dibenzothiophenes	ug/kg	1.56
C4-Fluoranthenes/Pyrenes	ug/kg	< 0.5 U
C4-Naphthobenzothiophenes	ug/kg	NA
Carbazole	ug/kg	NA
cis/trans-Decalin (Decahydronaphthalene)	ug/kg	NA
Dibenzofuran	ug/kg	NA
Dibenzothiophene	ug/kg	0.385
Naphthalene, 2,6-dimethyl-	ug/kg	NA
Naphthobenzothiophene	ug/kg	NA
Retene	ug/kg	NA
VOCs		
1,1,1,2-Tetrachloroethane	ug/kg	< 7 U
1,1,1-Trichloroethane	ug/kg	< 7 U
1,1,2,2-Tetrachloroethane	ug/kg	< 7 U
1,1,2-Trichloroethane	ug/kg	< 7 U
1,1,2-Trichlorotrifluoroethane	ug/kg	< 14 U
1,1-Dichloroethane	ug/kg	< 7 U
1,1-Dichloroethene	ug/kg	< 7 U
1,1-Dichloropropene	ug/kg	< 7 U
1,2,3-Trichlorobenzene	ug/kg	< 7 U
1,2,3-Trichloropropane	ug/kg	< 7 U
1,2,4-Trichlorobenzene	ug/kg	< 7 U
1,2,4-Trimethylbenzene	ug/kg	< 7 U
1,2-Dibromo-3-Chloropropane	ug/kg	< 7 U
1,2-Dibromoethane (EDB)	ug/kg	< 7 U
1,2-Dichlorobenzene	ug/kg	< 7 U
1,2-Dichloroethane	ug/kg	< 7 U
1,2-Dichloropropane	ug/kg	< 7 U
1,3,5-Trimethylbenzene	ug/kg	< 7 U
1,3-Dichlorobenzene	ug/kg	< 7 U
1,3-Dichloropropane	ug/kg	< 7 U
1,4-Dichlorobenzene	ug/kg	< 7 U
2,2-Dichloropropane	ug/kg	< 7 U
2-Butanone (MEK)	ug/kg	< 14 U
2-Chlorotoluene	ug/kg	< 7 U
2-Phenylbutane	ug/kg	< 7 U
4-Chlorotoluene	ug/kg	< 7 U
4-Methyl-2-pentanone (MIBK)	ug/kg	< 14 U
Acetone	ug/kg	13 J
Allyl chloride	ug/kg	< 7 U
Benzene	ug/kg	< 7 U
Bromobenzene	ug/kg	< 7 U
Bromochloromethane	ug/kg	< 7 U

	Location Depths (ft) Sample Date Sample ID Validation Level	SO-DA-032 1-1.5 ft 8/7/2013 SO-DA-032(1.0-1.5) Tier II
Chemical	Units	
Bromodichloromethane	ug/kg	< 7 U
Bromoform (Tribromomethane)	ug/kg	< 7 U
Bromomethane	ug/kg	< 7 U
Carbon Tetrachloride	ug/kg	< 7 U
Chlorobenzene	ug/kg	< 7 U
Chloroethane	ug/kg	< 7 U
Chloroform	ug/kg	< 7 U
Chloromethane	ug/kg	< 7 U
cis-1,2-Dichloroethene	ug/kg	< 7 U
cis-1,3-Dichloropropene	ug/kg	< 7 U
Dibromochloromethane	ug/kg	< 7 U
Dibromomethane	ug/kg	< 7 U
Dichlorodifluoromethane (CFC-12)	ug/kg	< 7 U
Dichlorofluoromethane	ug/kg	< 7 U
Diethyl ether (Ethyl ether)	ug/kg	< 7 U
Ethylbenzene	ug/kg	< 7 U
Hexachloro-1,3-Butadiene	ug/kg	< 7 U
Isopropylbenzene (Cumene)	ug/kg	< 7 U
Methylene Chloride (Dichloromethane)	ug/kg	< 7 U
Methyl-tert-butyl ether	ug/kg	< 7 U
n-Butylbenzene	ug/kg	< 7 U
n-Propylbenzene	ug/kg	< 7 U
p-Isopropyltoluene (Cymene)	ug/kg	< 7 U
Styrene	ug/kg	< 7 U
Tert-Butylbenzene	ug/kg	< 7 U
Tetrachloroethene	ug/kg	< 7 U
Tetrahydrofuran	ug/kg	< 7 U
Toluene	ug/kg	< 7 U
trans-1,2-Dichloroethene	ug/kg	< 7 U
trans-1,3-Dichloropropene	ug/kg	< 7 U
Trichloroethene	ug/kg	< 7 U
Trichlorofluoromethane (CFC-11)	ug/kg	< 7 U
Vinyl Chloride	ug/kg	< 7 U
Xylene (Total)	ug/kg	< 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

ft = feet

mg/kg = milligrams per kilogram

NA = not analyzed

PAH = polycyclic aromatic hydrocarbons

SIM = selective ion monitoring

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.