



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0001 4.0'	168.9	0.188	0.092	0.050	0.041	0.216	2.866	11.8	12.2	5.2	0.0	29.2
0002 4.0'	8,389.2	20.388	1.336	5.861	0.899	111.170	610.100	2,259.7	780.8	14.6	0.0	3,055.2
0003 4.0'	693.2	2.084	0.636	0.487	0.370	0.641	0.397	3.2	2.1	1.2	0.0	6.6
0004 4.0'	689.5	0.471	0.080	0.109	0.071	2.537	11.134	14.4	6.4	1.0	0.0	21.9
0005 4.0'	9,648.8	0.739	0.074	0.173	0.097	0.054	0.187	0.0	1.4	0.7	0.4	2.5
0006 4.0'	256.9	0.623	0.112	1.214	0.709	10.795	37.449	94.3	83.6	34.4	1.4	213.7
0007 4.0'	1,156.6	1.037	0.102	1.913	0.162	19.154	97.400	163.5	107.4	52.3	19.5	342.7
0008 4.0'	474.0	23.213	0.016	0.491	0.111	8.666	42.970	64.8	31.5	11.9	0.0	108.2
0009 4.0'	1,401.3	0.163	0.051	0.146	0.060	1.195	6.574	8.2	7.4	1.2	1.8	18.6
0010 4.0'	122.9	0.501	0.092	0.293	0.483	1.149	4.246	7.8	9.3	0.0	0.0	17.1
0011 3.5'	12.1	0.158	0.176	0.097	0.096	0.046	0.325	0.4	0.7	1.3	0.0	2.3
0012 4.0'	203.0	5.463	0.992	2.006	0.614	0.418	0.901	0.0	0.1	1.1	1.3	2.5
0013 3.75'	46.9	0.822	0.366	0.264	0.263	0.063	0.167	0.0	0.0	1.9	0.0	1.9
0014 3.75'	10.6	0.204	0.076	0.082	0.072	0.035	0.055	3.7	3.5	0.3	0.0	7.4
0015 4.0'	113.3	0.622	0.000	0.446	0.000	0.220	0.164	0.7	0.0	0.3	0.0	1.0
0016 3.0'	3,165.2	3.295	0.000	1.166	0.000	0.287	0.306	0.0	0.0	0.0	0.0	0.0
0017 3.5'	2,404.0	2.979	0.772	1.399	0.398	3.124	15.141	12.5	3.0	0.7	0.4	16.6
0018 4.0'	15.3	0.347	0.106	0.113	0.078	0.028	0.328	0.0	0.0	0.4	0.0	0.4
0019 1.5'	42.5	0.858	0.102	0.353	0.072	0.098	0.240	0.0	0.0	0.4	0.0	0.4
0020 3.0'	2,328.0	0.898	0.244	0.308	0.176	0.134	0.145	0.0	0.0	1.1	0.0	1.1
0021 4.0'	60.3	1.652	1.018	0.545	0.694	0.074	0.222	0.2	0.1	0.9	0.0	1.1
0022 4.0'	138.0	3.903	0.757	1.131	0.523	0.282	0.530	0.2	0.1	1.3	0.3	1.9
0023 3.75'	50.6	0.647	0.296	0.234	0.155	0.551	2.502	3.9	2.7	3.2	1.3	11.1
0024 4.0'	398,837.8	135.636	1.021	114.090	7.599	2,885.400	2,435.200	2,852.6	2,506.5	62.6	0.0	5,421.7
0025 4.0'	523,678.4	72.194	0.328	10.370	0.347	1,336.500	3.541	1,776.6	929.2	57.4	0.0	2,763.2
0026 4.0'	14,838.3	4.665	0.157	1.099	0.222	0.270	0.599	0.0	0.0	1.6	0.2	1.9
0027 4.0'	471.4	1.577	0.576	0.493	0.353	0.161	0.496	2.2	8.9	3.5	0.0	14.6
0028 4.0'	10,295.4	69.763	63.491	54.464	4.625	354.600	1,624.400	3,102.1	1,415.5	538.7	160.9	5,217.2
0029 4.0'	107,065.6	727.994	128.320	284.180	55.959	2,383.300	12,860.000	4,850.5	2,324.3	324.6	95.2	7,594.6
0030 3.5'	3,378.4	9.802	2.792	12.931	1.484	118.320	214.250	1,655.7	783.3	134.8	35.6	2,609.4
0031 3.75'	383,089.8	375.044	59.469	990.600	67.843	10,892.000	52,930.400	38,053.8	6,584.1	238.3	17.7	44,893.9



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0032 3.75'	169,025.5	245.830	1.642	870.030	78.047	7,910.100	34,543.500	36,626.5	7,123.7	938.8	85.9	44,774.9
0033 3.5'	51.1	0.215	0.069	0.076	0.047	0.129	0.354	0.3	0.3	1.4	0.0	2.0
0034 4.0'	169.6	1.106	0.114	0.302	0.063	0.987	5.299	14.5	13.5	2.5	1.1	31.6
0035 3.0'	249.9	2.649	0.255	0.932	0.204	0.233	0.326	0.0	0.0	0.9	0.0	0.9
0036 3.5'	27,162.5	2.830	0.302	1.345	0.415	2.768	6.244	6.7	11.6	11.8	0.4	30.5
0037 2.5'	12.4	0.639	0.820	0.255	0.487	0.039	0.163	0.1	0.0	0.3	0.0	0.4
0038 4.0'	32.8	0.339	0.131	0.149	0.118	0.035	0.097	0.1	0.0	0.7	0.0	0.8
0039 3.0'	9,736.4	4.164	0.137	2.515	0.218	0.161	0.560	0.0	0.0	0.4	0.0	0.4
0040 2.5'	9.1	0.100	0.057	0.076	0.022	0.043	0.045	0.0	0.0	0.5	0.0	0.5
0041 3.75'	1.5	0.043	0.041	0.028	0.120	0.022	0.029	0.0	0.0	0.5	0.0	0.6
0042 4.0'	886.8	3.777	0.629	0.789	0.448	0.174	0.305	5.0	15.2	13.6	3.1	36.9
0043 4.0'	148,950.3	45.374	0.494	1.561	0.356	1.912	2.418	470.1	188.6	0.3	0.0	659.0
0044 4.0'	145.9	4.355	0.851	1.303	0.449	0.268	0.508	0.3	0.1	0.8	0.0	1.2
0045 3.25'	492.6	8.373	1.684	2.544	1.035	0.639	0.834	0.1	0.6	0.9	0.0	1.6
0046 4.0'	365.6	2.974	0.582	1.145	0.359	0.207	0.530	0.0	0.0	0.8	0.0	0.8
0047 4.0'	30,316.3	1.166	0.022	0.421	0.093	0.107	0.277	0.0	0.0	1.1	1.7	2.8
0048 4.0'	880,442.2	169.042	11.824	385.130	0.000	8,918.800	27,269.500	982.8	278.9	8.4	0.0	1,270.1
0049 4.0'	78.8	0.823	0.071	0.977	0.087	8.729	49.515	252.4	213.8	95.8	37.3	599.3
0050 4.0'	172.6	1.840	0.370	3.482	0.092	38.847	255.440	558.0	485.2	361.4	15.0	1,419.6
0051 3.5'	2,782.7	1.515	0.009	2.334	0.000	59.366	20.333	41.5	49.9	27.6	5.6	124.7
0052 3.0'H2O	5,293.6	2.389	0.042	1.589	0.177	9.723	42.092	115.1	53.4	7.4	0.0	175.9
0053 4.0'	221,158.7	971.935	2.914	497.830	15.320	4,279.200	14,055.500	16,888.9	4,592.8	452.8	0.0	21,934.5
0054 4.0'	256.6	0.881	0.117	0.106	0.032	0.839	3.645	8.1	11.7	3.0	1.7	24.4
0055 4.0'	55,527.6	219.380	0.000	36.310	3.873	254.280	1,299.100	2,455.1	825.3	109.7	0.0	3,390.1
0056 3.5'	47,027.9	13.447	0.096	0.183	0.255	1.448	21.943	1,542.6	970.3	191.0	0.0	2,704.0
0057 4.0'	402.1	0.367	0.024	0.074	0.026	0.546	6.148	74.4	53.5	27.9	1.2	157.0
0058 4.0'	39,110.9	551.692	0.606	11.937	1.257	140.380	775.970	4,341.9	2,855.1	488.4	11.6	7,697.0
0059 4.0'	141,814.7	1,242.680	0.000	412.530	0.167	3,287.100	18,335.300	19,624.3	3,730.4	833.8	69.5	24,258.0
0060 3.5'	98.9	1.713	0.462	1.147	0.149	6.167	26.720	77.4	9.1	0.9	0.0	87.4
0061 3.0'	180.7	1.651	0.565	1.545	0.845	10.578	47.147	109.5	15.0	1.1	0.0	125.6
0062 4.0'	8.5	0.022	0.007	0.025	0.046	0.048	0.040	0.3	0.3	1.0	0.2	1.8



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0063 4.0'	8,325.3	6.503	0.005	2.631	0.084	21.546	93.586	203.4	98.8	11.7	21.2	335.1
0064 4.0'	170.5	0.635	0.032	0.646	0.081	2.132	1.679	8.0	31.0	3.6	0.0	42.5
0065 4.0'	59.6	0.091	0.024	0.050	0.112	0.065	0.184	1.4	1.3	1.2	0.2	4.1
0066 4.0'	17.8	0.500	0.037	0.208	0.049	0.068	0.091	0.1	0.0	0.7	0.1	0.8
0067 4.0'	7,355.5	22.342	1.437	1.558	0.543	1.708	5.121	8.2	43.8	76.6	49.2	177.8
0068 3.0'	14,757.9	2.806	0.000	1.159	0.188	0.242	0.650	0.0	0.2	1.1	0.0	1.3
0069 2.5'	1,181.1	0.774	0.239	0.410	0.269	0.168	0.154	0.0	0.2	0.6	0.0	0.7
0070 4.0'	1,410.5	0.306	0.120	0.071	0.102	0.061	0.115	0.0	0.0	0.9	0.2	1.1
0072 4.0'	4.6	0.120	0.032	0.035	0.035	0.045	0.009	0.1	0.0	0.5	0.0	0.6
0073 3.0'	2.2	0.084	0.047	0.027	0.040	0.040	0.007	0.1	0.0	0.6	0.0	0.7
0074 4.0'	30.4	1.256	0.188	0.399	0.144	0.109	0.163	0.0	0.0	0.5	0.0	0.6
00741 3.5'	10.8	0.030	0.015	0.014	0.021	0.030	0.019	0.1	0.0	0.6	0.0	0.6
0075 2.5'	160,237.5	0.295	0.000	2.796	0.000	3.445	3.387	8.5	0.0	0.9	0.0	9.4
0076 2.5'	2,786.1	21.790	0.000	6.003	0.509	1.369	1.467	0.4	0.0	1.5	0.0	1.9
0077 4.0'	7,518.2	5.708	0.477	3.857	0.655	0.923	1.288	0.0	0.0	1.3	0.0	1.3
0078 3.0'	58.8	0.047	0.013	0.050	0.022	0.087	0.213	0.0	0.0	3.2	0.0	3.2
0079 4.0'	209.6	0.764	0.173	0.195	0.182	0.071	0.138	0.1	1.1	1.1	3.8	6.0
0080 3.5'	66.0	0.174	0.015	0.231	0.016	1.317	4.980	3.0	1.1	1.2	0.0	5.4
0081 3.0'	99.8	0.397	0.020	0.243	0.023	1.377	7.919	7.3	12.9	8.1	0.6	28.8
0082 4.0'	48.0	0.244	0.021	0.184	0.028	0.824	3.406	1.5	1.0	1.2	0.0	3.7
0083 4.0'	4,065.6	25.061	1.950	6.996	0.671	44.397	46.915	50.2	103.1	4.8	9.6	167.7
0084 3.5'	2,508.5	9.038	0.041	1.722	0.849	10.717	29.496	58.2	57.5	0.0	0.0	115.7
0085 3.5'	224.5	0.470	0.022	0.036	0.044	0.306	0.046	1.9	4.3	2.3	0.1	8.6
0086 4.0'	5,605.6	16.368	1.461	11.629	2.255	34.347	255.010	352.2	230.9	106.7	38.3	728.1
0087 4.0'	1,294.2	1.207	0.000	0.094	0.077	0.385	4.241	32.0	14.7	2.8	0.1	49.5
0088 4.0'	17,800.9	6.251	0.095	0.241	0.229	2.087	77.968	2,180.5	1,029.9	177.1	0.0	3,387.5
0089 2.75'	70,543.6	271.780	0.009	0.284	0.416	0.875	15.192	3,390.4	2,470.5	306.9	10.1	6,177.9
0090 4.0'	15,254.2	2.865	0.000	0.127	0.186	0.358	8.393	69.9	69.6	39.6	1.4	180.5
0091 3.0'	429,960.7	1,163.700	4.948	1.834	1.833	130.590	2,381.600	38,990.1	9,838.8	747.2	0.0	49,576.1
0092 4.0'	46,568.2	60.582	3.447	27.229	4.961	74.296	585.790	450.4	254.6	69.5	12.4	786.8
0093 3.0'	570.4	16.055	6.258	12.461	0.747	47.053	249.590	372.4	116.1	15.6	0.0	504.1



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SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0094 4.0'	53,137.3	468.731	0.067	343.450	3.205	2,113.400	9,042.600	1,711.4	743.3	135.8	0.0	2,590.5
0095 3.25'	80.7	0.830	0.156	0.484	0.149	0.374	0.020	0.0	0.0	0.7	0.0	0.7
0096 3.0'	132.5	0.582	0.008	2.704	0.310	0.632	1.838	0.7	2.8	0.9	0.0	4.4
0097 3.0'	8,523.2	1.255	0.789	4.644	0.600	0.699	2.900	0.3	5.3	2.2	0.3	8.1
0098 4.0'	140.4	2.214	0.783	1.259	0.567	0.241	0.418	0.1	0.0	0.6	0.0	0.7
0099 3.0'	75.1	0.634	0.138	0.332	0.043	0.463	1.323	2.9	2.0	0.0	0.0	4.9
0100 4.0'	43.1	0.151	0.061	0.071	0.050	0.032	0.048	0.1	0.1	0.9	0.2	1.3
0101 4.0'	128.7	0.412	0.103	0.115	0.090	0.100	0.037	0.1	0.2	1.5	0.0	1.8
0102 4.0'	235.7	1.258	0.127	1.017	0.226	3.815	15.177	33.0	17.1	0.5	0.0	50.6
0103 4.0'	14,702.8	5.063	0.000	67.546	0.000	67.245	48.940	0.0	2.0	0.6	0.0	2.6
0104 3.5'	2,455.1	3.792	0.000	2.285	0.767	25.490	5.721	7.3	7.4	1.9	0.0	16.6
0105 4.0'	3.9	0.075	0.034	0.025	0.076	0.027	0.032	0.0	0.0	0.4	0.0	0.4
0106 4.0'	3.9	0.040	0.019	0.023	0.023	0.027	0.020	0.0	0.2	0.5	0.0	0.6
0107 3.0'	49.0	0.924	0.743	0.321	0.459	0.053	0.070	0.1	0.0	0.5	0.0	0.6
0108 4.0'	217.1	0.600	0.220	0.188	0.198	0.101	0.266	0.6	0.2	0.7	0.0	1.4
0109 2.5'	1,242.1	1.537	0.000	2.378	0.000	26.096	28.633	3.7	4.5	4.0	3.3	15.5
0110 4.0'	994.6	6.258	0.285	6.060	0.230	23.026	98.534	285.9	63.1	7.3	0.0	356.2
0111 4.0'	641.4	1.537	0.163	0.224	0.106	0.397	1.002	2.8	7.8	2.1	0.0	12.8
0112 4.0'	122.7	0.216	0.018	0.090	0.028	0.062	0.093	1.2	0.7	1.4	0.0	3.2
0113 4.0'	256.5	0.334	0.166	0.197	0.096	0.680	1.712	1.2	0.3	2.2	0.0	3.7
0114 3.5'	1,964.4	15.617	0.000	4.999	0.000	1.029	1.395	0.2	0.0	1.4	0.0	1.6
0115 4.0'	2,243.3	0.914	0.000	2.642	0.026	14.717	11.675	25.5	13.3	2.6	0.1	41.4
0116 3.5'	377.9	0.274	0.073	0.094	0.046	0.082	0.066	0.1	0.1	1.0	0.0	1.2
0117 2.5'	1,343.6	3.851	0.039	0.730	0.075	0.290	0.614	0.2	0.0	0.9	0.2	1.3
0118 3.5'	2,012.1	0.635	0.074	1.905	0.095	11.377	58.989	23.4	35.4	6.5	0.1	65.4
0119 3.5'	5,742.6	5.638	1.668	2.491	0.498	8.993	43.635	19.2	14.3	3.6	1.0	38.1
0120 3.5'	2,095.6	3.807	0.000	1.340	0.102	8.493	16.296	26.5	26.0	8.4	0.1	60.9
0121 4.0'	136,580.8	854.186	50.514	309.960	34.852	1,114.300	9,458.300	3,917.0	1,973.1	452.5	0.0	6,342.6
0122 4.0'	5,258.3	3.507	0.103	0.712	0.161	8.030	84.323	237.6	151.1	20.8	0.0	409.5
0123 4.0'	111,486.2	25.682	260.290	0.235	0.717	7.427	37.852	1,265.0	2,782.4	538.7	16.2	4,602.3
0124 4.0'	318,743.3	117.117	0.000	1.879	0.966	7.003	21.893	477.1	244.6	72.1	9.6	803.5



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SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0125 3.75'	16,140.3	10.807	0.772	0.691	0.561	0.967	9.379	207.4	367.3	50.7	3.0	628.4
0126 4.0'	230,950.2	96.486	0.550	13.402	0.000	282.270	1,599.400	9,181.5	3,632.4	105.3	21.3	12,940.5
0127 4.0'	6,886.4	10.846	0.675	5.758	1.464	20.484	184.280	105.3	80.3	47.4	3.7	236.7
0128 4.0'	97.4	0.157	0.026	0.114	0.084	0.340	2.214	2.1	4.1	0.8	0.6	7.6
0129 4.0'	65.1	0.031	0.216	0.010	0.087	0.028	0.055	0.0	0.1	0.7	0.5	1.3
0130 4.0'	357.8	0.591	0.023	0.240	0.081	1.300	4.550	3.4	3.9	1.0	0.0	8.3
0131 4.0'	1,103.2	0.281	0.011	0.312	0.025	1.946	8.613	5.1	2.8	1.0	0.0	8.9
0132 3.0'	25.0	0.030	0.010	0.033	0.076	0.031	0.064	0.2	0.0	0.7	0.0	0.8
0133 4.0'	13.1	0.012	0.005	0.071	0.062	0.045	0.051	0.0	0.0	0.7	0.0	0.7
0134 4.0'	5.4	0.089	0.035	0.082	0.098	0.030	0.057	0.0	0.0	1.0	0.0	1.0
0135 4.0'	3,534.2	6.030	0.194	0.197	0.014	3.149	17.082	124.9	187.4	82.7	0.0	395.0
0136 2.5'	38.2	0.555	0.055	0.323	0.271	0.167	0.230	0.0	0.0	0.6	0.0	0.7
0137 4.0'	131.6	0.397	0.005	0.176	0.021	0.343	1.045	4.2	9.6	9.0	0.0	22.8
0138 4.0'	452.3	0.340	0.035	0.731	0.028	6.836	35.830	19.4	8.9	2.4	0.0	30.7
0139 4.0'	121.3	0.178	0.057	0.416	0.054	0.860	4.521	4.9	2.2	1.4	0.0	8.5
0140 3.0'	463.1	1.380	0.000	0.651	0.000	1.838	3.818	4.1	3.0	0.0	0.0	7.1
0141 3.0'	568.2	2.949	0.331	0.590	0.184	0.250	0.268	0.5	10.0	0.0	0.0	10.6
0142 4.0'	33.8	1.464	0.485	0.607	0.332	0.125	0.221	0.5	0.0	1.0	0.0	1.6
0143 4.0' H2O	2,372.6	1.618	0.437	0.826	0.292	0.360	0.247	0.0	0.0	0.1	0.0	0.1
0144 4.0'	11.5	0.284	0.116	0.087	0.105	0.076	0.169	28.4	12.3	2.6	0.0	43.4
0145 4.0'	70.2	1.926	0.072	0.598	0.100	0.130	0.237	0.0	0.0	0.3	0.0	0.3
0146 4.0'	3,809.2	13.103	1.458	4.647	0.937	0.902	1.494	0.0	0.0	1.3	0.0	1.3
0147 3.5'	2,370.0	2.229	0.181	2.642	0.129	27.390	44.718	172.3	137.9	0.6	0.0	310.8
0148 4.0'	7.8	0.056	0.011	0.030	0.057	0.201	0.583	0.4	0.1	1.4	0.0	1.9
0149 2.5'	8.4	0.043	0.013	0.057	0.017	0.149	0.493	0.8	0.1	1.3	0.4	2.5
0150 4.0'	114.4	0.188	0.035	0.147	0.081	0.818	3.079	2.9	1.2	1.0	0.0	5.1
0151 4.0'	170,235.2	82.422	5.949	298.580	4.699	2,334.800	10,842.500	310.7	266.2	18.9	1.8	597.6
0152 3.0'	60,994.4	96.119	0.215	0.353	0.658	1.471	24.040	2,074.3	1,477.8	597.4	93.8	4,243.3
0153 4.0'	263,262.6	54.579	0.845	4.086	1.413	18.641	208.690	455.9	775.3	1,455.7	3,269.1	5,956.1
0154 2.5'	72,693.3	17.584	1.787	10.243	0.854	11.220	21.498	7.2	6.7	0.9	0.0	14.8
0155 4.0'	14,277.9	8.046	0.080	0.483	0.064	2.338	0.654	11.6	5.1	3.8	0.0	20.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0156 3.75'	355.6	0.637	0.141	0.714	0.036	2.189	9.386	6.8	2.9	1.0	0.0	10.7
0157 4.0'	30,274.7	36.756	0.998	40.279	1.919	189.980	902.050	883.1	266.1	60.2	3.0	1,212.4
0158 4.0'	34.4	0.084	0.084	0.043	0.023	0.069	0.254	2.3	4.1	11.9	34.3	52.7
0159 4.0'	116.5	0.416	0.022	0.043	0.036	0.034	0.040	0.5	1.0	1.3	0.0	2.7
0160 4.0'	1,259.7	0.538	0.070	0.114	0.042	0.645	0.268	9.7	17.3	9.0	0.0	36.0
0161 4.0'	445,742.6	33.696	0.036	2.607	0.129	14.452	7.354	107.8	206.4	64.6	9.4	388.2
0162 4.0'	383,571.1	66.438	1.105	9.939	1.122	288.740	21.899	1,377.8	1,444.7	386.3	13.1	3,221.9
0163 4.0'	167,118.5	50.495	0.394	0.652	0.408	2.147	40.606	8,711.9	5,584.7	1,355.5	18.3	15,670.4
0164 4.0'	13.7	0.097	0.035	0.054	0.021	0.051	0.043	0.1	0.0	1.5	0.0	1.6
0165 4.0'	73,079.5	12.630	1.626	0.548	0.564	2.580	13.589	367.9	260.6	66.4	0.8	695.7
0166 4.0'	555,965.6	474.327	0.438	149.940	4.787	513.560	6,555.700	3,281.3	2,232.4	551.4	16.3	6,081.4
0167 4.0'	579.1	0.889	0.157	0.395	0.140	0.555	9.694	11.3	17.6	1.5	0.0	30.3
0168 4.0'	18,997.0	864.944	1.709	1,281.000	13.500	5,022.600	24,943.600	10,253.0	2,615.5	461.4	91.2	13,421.2
0169 3.0' H2O	38.2	0.319	0.145	0.099	0.104	0.102	0.055	0.0	0.0	0.1	0.0	0.1
0170 4.0'	956.6	0.464	0.106	0.812	0.191	1.160	5.827	4.2	1.9	1.8	0.0	7.9
0171 4.0'	39.2	0.149	0.119	0.104	0.058	0.040	0.051	0.0	0.0	0.4	0.0	0.4
0172 4.0'	111,434.2	281.291	0.407	17.595	0.184	92.115	48.842	497.0	388.3	126.3	3.3	1,014.9
0173 4.0'	98,939.4	83.487	0.267	1.077	0.366	9.721	15.508	1,044.6	832.2	91.6	39.5	2,008.0
0174 4.0'	401.4	4.308	0.340	0.652	0.343	0.287	0.221	0.0	1.4	1.0	0.0	2.4
0175 4.0'	234.6	0.627	0.022	0.212	0.000	1.382	5.453	0.5	8.2	1.3	0.0	10.0
0176 4.0'	2,332.0	4.072	0.072	4.773	0.032	46.279	78.168	121.1	97.7	1.3	0.0	220.1
0177 4.0'	738.5	0.523	0.074	0.801	0.062	5.266	19.685	0.9	5.7	2.1	0.2	8.9
0178 4.0'	1,661.2	2.393	0.129	0.172	0.087	0.077	0.113	0.3	24.4	4.5	0.0	29.2
0179 1.5'	5,274.5	3.146	0.639	1.365	0.614	0.317	0.730	0.8	3.5	4.4	5.3	13.9
0180 3.0'	6.1	0.061	0.010	0.051	0.082	0.047	0.182	0.1	0.1	0.6	0.0	0.8
0181 4.0'	1,243.3	5.813	0.429	1.823	0.278	0.550	0.720	0.0	0.0	1.1	0.0	1.1
0182 4.0'	44.5	1.333	0.175	0.447	0.119	0.112	0.142	1.1	0.0	0.9	0.0	2.0
0183 4.0'	47.4	0.676	0.095	0.209	0.093	0.074	0.077	0.1	0.0	1.0	0.0	1.1
0184 4.0'	2,322.2	6.842	0.279	1.042	0.240	0.549	3.400	106.9	181.7	157.0	37.7	483.3
0185 4.0'	25,599.6	34.567	0.000	21.874	0.620	216.980	438.340	16,795.5	8,237.4	986.8	87.0	26,106.7
0186 4.0'	100,119.7	141.425	1.298	24.885	0.439	222.330	662.330	3,084.2	1,699.4	458.5	40.4	5,282.6



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0187 4.0'	21,102.0	14.623	0.681	2.568	0.966	13.511	34.108	93.0	116.7	162.4	491.2	863.3
0188 3.5'	126,048.2	66.176	1.340	2.781	0.185	39.809	145.770	452.8	460.7	105.5	32.0	1,051.1
0189 4.0'	25,791.7	111.915	4.885	1.521	0.266	15.943	58.881	330.8	713.8	545.1	99.2	1,688.9
0190 4.0'	498.2	1.774	0.224	0.554	0.106	0.222	0.824	1.2	19.9	30.5	9.9	61.5
0191 4.0'	214.7	0.193	0.062	0.129	0.022	0.330	1.736	2.9	1.1	0.8	0.0	4.9
0192 3.75'	450.6	0.178	0.128	0.034	0.033	0.121	0.522	0.9	0.3	0.7	0.7	2.6
0193 3.75'	15,439.9	493.514	0.563	4.598	1.840	16.251	95.758	14.4	14.8	5.7	0.4	35.3
0194 4.0'	24,286.8	14.025	0.265	6.964	1.007	39.974	375.060	109.9	51.6	7.3	0.0	168.8
0195 3.5' H2O	1,826.1	0.770	0.653	0.297	0.277	0.269	1.532	0.7	1.2	5.9	3.1	10.9
0196 4.0'	1,925.3	4.881	0.979	1.538	0.297	2.623	34.433	81.7	168.2	90.1	6.8	346.8
0197 4.0'	118,981.0	180.568	9.165	55.078	0.000	118.360	2,755.500	1,557.6	1,095.8	553.7	82.6	3,289.7
0198 3.5'	9,050.5	7.947	0.071	0.282	0.071	0.498	6.866	47.0	134.6	124.9	25.1	331.5
0199 4.0'	263.2	0.310	0.048	0.045	0.047	0.085	0.775	10.8	16.7	21.7	8.7	58.0
0200 4.0'	154,070.6	74.916	0.591	0.561	0.136	4.473	155.300	4,247.0	2,143.1	408.8	22.5	6,821.3
0201 4.0'	3,954.1	2.113	0.116	0.343	0.210	0.426	5.943	87.2	54.5	9.8	0.0	151.6
0202 3.5'	256.7	0.311	0.131	0.080	0.135	0.024	0.198	1.4	1.5	2.4	2.3	7.6
0203 3.0'	8,414.7	55.483	0.960	0.449	0.190	0.477	4.755	602.9	1,033.8	1,593.9	2,273.3	5,503.9
0204 3.0'	7,564.6	6.913	0.041	1.306	0.066	0.561	1.034	43.6	69.0	41.2	0.0	153.8
0205 3.5'	2,655.3	1.614	0.077	0.205	0.178	2.169	0.254	10.7	4.4	2.1	0.0	17.2
0206 4.0'	37,183.2	11.921	0.085	3.449	0.098	12.516	19.805	61.4	62.4	21.5	1.8	147.1
0207 4.0'	302.9	0.989	0.503	0.193	0.444	0.012	0.146	0.1	0.1	1.2	0.0	1.4
0208 3.0'	586.9	0.356	0.024	0.097	0.090	0.862	2.388	58.3	38.1	20.2	0.0	116.7
0209 4.0'	23,594.0	0.408	0.207	0.327	0.096	0.106	0.233	0.3	11.5	21.3	38.3	71.4
0210 4.0'	57,998.6	66.389	1.239	14.005	0.418	97.293	535.980	2,070.0	2,439.9	72.6	71.6	4,654.1
0211 4.0'	1,708.4	1.402	0.261	0.775	0.077	2.932	15.897	57.3	26.1	20.4	3.6	107.3
0212 4.0'	122,419.2	36.598	0.658	30.171	0.443	175.610	221.900	130.8	125.4	85.9	18.2	360.2
0213 4.0'	523,002.0	21.509	5.960	12.646	0.842	79.093	205.780	44.7	67.1	68.3	6.6	186.7
0214 4.0'	3,333.9	2.731	0.100	2.537	0.274	6.647	22.632	3,603.0	5,327.4	2,606.3	387.8	11,924.4
0215 4.0'	353,509.3	114.830	0.735	112.750	0.967	904.100	2,893.000	1,042.1	1,245.7	598.6	37.5	2,923.9
0216 4.0'	148,195.7	218.046	8.795	8.128	0.098	31.294	34.217	1,466.5	1,432.7	522.5	34.9	3,456.6
0217 4.0'	27.1	0.571	0.090	0.218	0.047	0.106	0.374	16.7	17.7	53.7	9.4	97.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0218 3.0'	145.8	1.549	0.044	0.375	0.073	0.191	0.214	4.8	15.6	17.3	0.0	37.7
0219 4.0'	14,813.6	0.279	0.057	0.087	0.022	0.058	0.107	0.0	0.1	0.9	0.0	1.0
0220 4.0'	777.0	0.974	0.019	0.407	0.026	0.132	0.199	0.0	0.0	0.8	0.0	0.9
0221 4.0'	22.2	0.187	0.040	0.057	0.045	0.041	0.033	0.2	0.0	1.1	0.0	1.4
0222 4.0'	97.9	0.605	0.362	0.239	0.309	0.043	0.103	0.0	2.0	1.2	0.7	4.0
0223 4.0'	3.4	0.070	0.036	0.038	0.038	0.026	0.029	0.1	0.5	0.8	0.0	1.4
0224 4.0'	108.5	0.334	0.029	0.161	0.033	0.160	0.299	0.3	0.1	1.1	0.0	1.4
0225 4.0'	19,493.4	23.132	0.125	0.278	0.068	0.148	0.311	29.4	184.4	262.9	15.9	492.6
0226 2.0'VACUUM	61,986.6	1.496	0.000	0.773	0.408	0.262	0.901	502.3	1,240.2	716.5	592.1	3,051.1
0227 4.0'	357,994.5	98.990	0.291	74.006	1.337	366.930	1,670.700	3,650.3	901.5	85.6	0.0	4,637.4
0228 3.5'	174,268.5	15.144	0.285	3.790	0.320	36.332	0.000	7,301.2	4,108.5	1,416.6	165.7	12,992.0
0229 4.0'	11.4	0.107	0.055	0.059	0.092	0.035	0.053	0.9	2.8	12.2	26.9	42.9
0230 3.0'	113.8	0.098	0.067	0.036	0.012	0.061	0.367	0.6	1.1	3.6	0.0	5.3
0231 3.0'	156.6	0.523	0.000	0.238	0.000	0.392	1.662	10.2	0.7	2.2	0.0	13.1
0232 4.0'	478.0	3.791	0.183	0.265	0.065	0.314	4.617	5.2	6.4	1.0	0.5	13.2
0233 4.0'	2,854.4	4.674	0.504	1.876	0.900	2.883	38.780	49.7	33.5	2.4	0.0	85.6
0234 3.0'	422,896.3	409.486	0.219	13.765	0.336	8.905	39.481	33.1	3.8	3.6	2.7	43.2
0235 4.0'	39.3	0.490	0.073	0.144	0.027	0.084	0.167	0.2	0.0	1.7	0.3	2.2
0236 4.0'	993.7	1.049	0.081	0.230	0.275	0.157	2.060	39.8	31.2	4.4	0.0	75.3
0237 4.0'	347,764.6	148.435	0.230	8.426	0.244	46.404	421.430	1,416.2	1,682.4	359.3	32.8	3,490.7
0238 4.0'	300,352.2	117.903	30.719	113.820	1.991	244.850	5,227.100	4,685.1	2,443.2	341.8	0.0	7,470.1
0239 4.0'	12,325.2	31.435	0.127	0.304	0.080	0.368	0.342	0.7	0.5	2.6	0.4	4.3
0240 4.0'	45,422.0	383.754	0.502	0.893	0.257	0.283	3.463	183.4	464.4	341.5	138.1	1,127.5
0241 4.0'	49,241.6	613.191	1.346	24.539	1.948	33.430	730.130	1,589.7	1,981.9	1,240.2	104.0	4,915.7
0242 3.5'	150,039.8	32.836	0.000	34.299	0.406	196.740	460.830	1,762.7	452.6	24.8	0.0	2,240.2
0243 4.0'	1,692.1	4.709	0.902	3.229	0.330	2.128	24.933	7.2	7.6	3.1	0.8	18.7
0244 4.0'	19,877.6	3.431	1.067	0.908	0.462	0.142	0.397	0.0	0.1	1.1	0.0	1.2
0245 4.0'	8,991.8	4.374	0.465	0.919	0.432	1.246	3.123	30.3	17.7	0.0	0.0	48.1
0246 3.5'	989.6	7.689	0.000	2.135	0.422	0.753	1.272	52.7	59.4	29.0	14.5	155.6
0247 4.0'	1,117.1	0.706	0.124	0.099	0.103	0.099	0.047	0.0	0.1	2.5	0.0	2.7
0248 4.0'	14.7	0.197	0.012	0.059	0.030	0.073	0.030	0.0	0.0	0.8	0.0	0.8





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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0249 4.0'	487.8	0.979	0.085	0.201	0.131	0.089	0.212	0.5	0.0	1.3	0.0	1.9
0250 3.0'	56.2	0.127	0.019	1.097	0.270	0.978	1.270	0.0	0.0	0.7	0.0	0.8
0251 4.0'	63.2	1.609	0.118	3.022	1.039	2.674	10.048	2.3	0.3	0.7	0.0	3.3
0252 4.0'	187.7	1.346	0.126	1.155	0.414	0.399	1.177	0.4	0.7	0.7	0.0	1.9
0253 4.0'	615.0	0.851	0.088	0.576	0.267	0.204	0.394	0.0	0.2	0.5	0.0	0.7
0254 4.0'	5.1	0.120	0.006	0.040	0.009	0.033	0.011	0.2	0.0	0.5	0.0	0.7
0255 4.0'	14.7	0.076	0.011	0.795	0.056	0.104	0.179	0.0	0.0	0.0	0.0	0.0
0256 3.5'	44.4	0.262	0.024	0.104	0.054	0.068	0.193	0.1	0.0	0.8	0.0	0.9
0257 3.0'	8.7	0.042	0.019	0.012	0.064	0.035	0.018	1.3	0.0	1.1	0.0	2.4
0258 4.0'	32.2	0.478	0.098	0.475	0.115	0.371	0.356	0.7	0.0	0.2	0.0	1.0
0259 4.0'	512.8	0.586	0.067	0.032	0.026	0.070	0.040	0.0	1.1	0.0	0.0	1.1
0260 3.5'	245,491.8	27.715	0.097	0.214	0.179	0.272	2.449	247.9	501.1	481.9	61.3	1,292.1
0261 4.0'	309,989.2	0.732	0.000	0.184	0.265	0.137	3.011	288.4	168.4	99.0	49.5	605.3
0262 4.0'	163,943.4	20.383	0.000	3.881	0.328	29.891	221.970	4,821.7	2,254.8	573.8	92.3	7,742.6
0263 4.0'	8,842.6	2.499	0.236	1.548	0.219	1.690	23.286	164.8	137.1	15.1	1.8	318.8
0264 4.0'	3,502.1	1.970	0.052	1.220	0.042	1.471	0.702	4.3	5.9	1.0	0.8	11.9
0265 4.0'	62,580.1	5.218	0.413	1.512	0.041	7.896	1.039	0.0	0.0	2.6	0.5	3.1
0266 2.5'	10,383.5	46,440	0.264	1.191	0.373	3.056	22.657	17.1	31.3	22.9	5.0	76.3
0267 4.0'	43,950.4	24.647	1.229	6.466	0.767	3.916	27.664	3.3	1.6	1.7	0.0	6.6
0268 4.0'	2,009.1	1.401	0.177	0.210	0.089	0.274	10.401	13.2	2.4	3.2	0.0	18.9
0269 3.5'	22,388.4	12.070	1.365	9.310	0.436	21.591	421.810	159.4	22.2	6.4	0.0	187.9
0270 4.0'	216.9	0.528	0.214	0.157	0.158	0.076	0.114	0.6	2.2	2.4	0.0	5.2
0271 4.0'	1,004.2	1.573	0.504	0.975	0.209	2.186	27.603	53.1	19.9	2.7	0.0	75.7
0272 2.5'	125.9	0.309	0.135	0.156	0.092	0.063	0.091	0.3	0.0	1.3	0.0	1.6
0273 3.5'	3,486.5	6.167	1.861	3.488	0.781	4.326	57.021	12.4	3.1	3.8	4.7	24.0
0274 4.0'	46,543.7	29.248	1.570	11.482	0.903	28.502	73.216	11.0	4.2	4.5	0.0	19.8
0275 3.0'	488,947.9	27.679	0.000	3.482	0.000	2.200	4.335	11.4	19.5	36.2	41.7	108.8
0276 4.0'	237,507.6	2,410.400	1.797	26.251	1.440	115.250	647.580	931.4	618.8	110.0	0.0	1,660.3
0277 4.0'	3,539.7	2.557	0.144	0.963	0.064	3.268	31.211	69.2	66.8	2.3	0.0	138.3
0278 4.0'	625.3	0.425	0.024	0.062	0.030	0.110	1.088	15.5	13.4	4.0	0.0	32.8
0279 4.0'	4,775.9	3.009	0.109	0.983	0.000	0.679	0.445	1.9	1.0	3.7	0.0	6.6



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0280 4.0'	212,479.2	12.806	0.256	0.355	0.188	1.051	9.863	746.8	320.0	38.3	20.9	1,126.0
0281 4.0'	399.6	0.807	0.125	0.154	0.094	0.120	0.035	0.4	1.0	1.9	0.3	3.6
0282 4.0'	24.4	0.540	0.064	0.163	0.049	0.122	0.070	0.0	0.0	0.3	0.0	0.3
0283 4.0'	22.0	0.044	0.023	0.049	0.025	0.051	0.042	0.0	0.0	0.7	0.0	0.7
0284 4.0'	17.4	0.352	0.066	0.375	0.056	0.065	0.098	0.0	0.0	0.6	0.0	0.6
0285 4.0'	122.8	0.134	0.050	0.270	0.049	0.055	0.130	0.2	0.1	0.7	0.0	1.0
0286 3.5'	6.7	0.126	0.023	0.118	0.037	0.066	0.144	0.2	0.0	0.6	0.0	0.8
0287 4.0'	242.7	3.955	0.415	1.157	0.255	0.298	0.332	0.0	0.0	0.5	0.0	0.5
0288 4.0'	19.3	0.562	0.051	0.294	0.059	0.126	0.163	0.0	0.0	0.4	0.0	0.4
0289 4.0'	1,055.3	0.497	0.094	1.648	0.870	0.855	1.006	0.0	0.0	0.6	0.0	0.6
0290 4.0'	68.9	0.911	0.381	0.576	0.000	0.189	0.000	1.0	0.0	1.1	0.0	2.1
0291 4.0'	131,984.8	72.813	0.144	3.548	6.457	3.014	31.038	569.1	655.7	136.0	23.5	1,384.2
0292 3.5'	191.1	0.278	0.017	0.077	0.235	0.142	0.472	1.3	2.5	0.0	0.0	3.8
0293 4.0'	2,362.1	4.455	0.097	0.966	0.111	1.260	18.862	70.9	37.2	4.0	2.9	114.9
0294 3.75'	2,559.8	8.719	0.202	0.088	0.040	0.064	0.296	23.9	146.3	134.0	38.9	343.1
0295 4.0'	317,746.1	4,213.560	0.445	12.607	0.000	64.091	288.560	364.4	2,162.5	1,904.4	142.5	4,573.9
0296 3.5'	424.0	0.121	0.225	0.068	0.047	0.071	0.077	0.0	0.0	1.4	0.0	1.4
0297 4.0'	155.3	0.303	0.307	0.123	0.056	0.105	0.173	0.6	0.1	2.3	1.0	4.0
0298 4.0'	201.1	5.616	0.655	0.541	0.131	0.134	0.219	0.2	0.8	1.4	0.0	2.4
0299 4.0'	23,559.7	13.145	0.284	56.834	1.647	101.810	318.020	39.3	22.9	0.0	0.0	62.2
0300 4.0'	169.0	0.878	0.223	0.165	0.165	0.037	0.081	0.6	0.7	0.8	0.0	2.1
0301 3.7'	10.0	1.295	0.042	0.659	0.039	0.146	0.280	4.6	2.9	8.1	0.0	15.5
0302 3.75'	51.0	0.575	0.699	0.163	0.331	0.047	0.090	0.0	0.0	1.1	0.0	1.1
0303 4.0'	16.5	0.750	0.807	0.276	0.429	0.112	0.149	0.0	0.0	1.1	0.0	1.1
0304 4.0'	17.9	0.464	0.383	0.145	0.177	0.062	0.064	0.1	0.0	1.5	0.0	1.6
0305 4.0'	1,683.4	0.198	0.027	0.109	0.033	0.139	0.023	0.6	24.5	62.8	36.2	123.9
0306 4.0'	25,830.0	128.459	0.000	0.432	0.088	0.161	0.627	7.5	45.7	76.9	10.4	140.6
0307 3.5'	1,165.2	1.403	0.265	0.201	0.067	0.070	0.790	0.7	0.3	3.2	1.4	5.6
0308 4.0'	137,465.0	79.384	0.608	3.512	0.724	10.112	524.780	776.0	370.5	207.5	509.2	1,863.2
0309 4.0'	9,296.9	0.692	0.023	0.233	0.027	0.102	1.765	61.6	86.9	554.8	400.8	1,104.1
0310 4.0'	59,723.2	71.780	1.136	1.274	3.006	16.324	152.610	543.9	143.8	77.2	33.2	798.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0311 4.0'	883.4	2.823	0.231	0.182	0.035	0.616	6.547	34.1	13.3	2.5	0.0	49.9
0312 4.0'	21,513.2	0.641	0.258	0.187	0.324	0.250	1.135	5.2	0.0	0.5	0.0	5.7
0313 4.0'	20.1	0.252	0.124	0.060	0.105	0.059	0.021	0.0	0.0	7.8	0.0	7.8
0314 4.0'	5.8	0.503	0.109	0.264	0.162	0.069	0.129	0.1	0.0	7.8	0.0	8.0
0315 4.0'	26.1	1.453	0.168	0.570	0.105	0.201	0.268	0.0	0.0	1.1	0.0	1.1
0316 4.0'	11.1	0.646	0.131	0.258	0.106	0.069	0.123	0.1	0.0	0.6	0.0	0.7
0317 4.0'	56.9	1.741	0.320	0.558	0.197	0.146	0.132	0.0	0.0	0.6	0.0	0.6
0318 4.0'	53.0	1.266	0.429	0.396	0.281	0.062	0.142	0.0	0.0	0.7	0.0	0.8
0319 3.5'	16.4	0.671	0.239	0.260	0.133	0.060	0.058	0.0	0.0	0.9	0.4	1.4
0320 4.0'	10.2	0.262	0.138	0.086	0.111	0.025	0.035	0.2	0.0	0.8	0.0	1.0
0321 4.0'	33.8	0.645	0.447	0.177	0.261	0.087	0.055	31.5	15.6	11.1	3.9	62.2
0322 3.0'	64.5	1.309	0.026	0.582	0.049	0.161	0.257	0.7	0.3	1.2	0.0	2.1
0323 3.0'	85.8	0.194	0.019	0.071	0.026	0.052	0.044	0.1	0.0	2.0	0.0	2.1
0324 4.0'	172,510.6	5.744	0.305	1.955	0.056	0.632	1.443	6.3	20.8	7.8	0.1	34.9
0325 4.0'	1,328.3	1.523	0.412	0.153	0.120	0.061	0.061	0.0	0.1	1.6	0.0	1.7
0326 4.0' H2O	43,074.3	3.780	0.732	0.320	0.225	0.196	0.184	3.8	17.8	14.8	0.0	36.3
0327 4.0'	385,553.8	66.720	0.000	0.726	0.004	0.211	0.238	151.6	559.3	653.9	149.4	1,514.2
0328 4.0'	263.4	1.538	0.285	0.475	0.196	0.147	0.257	0.0	0.0	1.6	0.0	1.6
0329 4.0'	19,698.8	6.385	1.700	0.720	0.830	0.110	0.358	0.0	0.0	8.6	2.5	11.1
0330 4.0'	692.9	1.595	1.063	0.447	0.672	0.139	0.173	0.0	0.0	1.6	0.1	1.8
0331 4.0'	176,743.3	241.490	1.392	18.714	1.009	6.892	18.604	0.0	0.0	0.7	0.0	0.7
0332 4.0'	3.8	0.162	0.087	0.047	0.082	0.034	0.032	0.3	0.0	1.1	0.0	1.4
0333 4.0'	1,518.1	1.841	0.965	0.357	0.598	0.061	0.240	0.0	0.1	0.6	0.0	0.7
0334 4.0'	121.3	1.204	1.615	0.439	0.839	0.124	0.116	0.1	0.0	0.7	0.0	0.8
0335 4.0'	20.8	0.772	0.217	0.291	0.129	0.077	0.089	0.0	0.0	6.1	0.0	6.1
0336 2.5'	6,881.6	0.906	0.354	0.103	0.296	0.053	0.458	68.2	100.8	237.6	470.2	876.8
0337 4.0'	4,745.3	0.376	0.044	0.152	0.107	0.164	0.206	0.0	1.9	5.4	3.5	10.7
0338 3.0'	123,248.1	100.075	0.000	7.346	0.183	1.557	17.120	398.5	545.7	345.2	67.8	1,357.3
0339 3.5'	4,095.0	0.928	0.037	0.271	0.056	0.741	0.617	5.5	11.3	25.2	3.5	45.5
0340 4.0'	56.1	0.166	0.028	0.051	0.045	0.044	0.033	0.0	0.6	0.0	0.0	0.6
0341 4.0'	15.1	0.378	0.109	0.162	0.085	0.087	0.053	0.0	0.1	1.2	5.4	6.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0342 4.0'	71.0	6.089	0.236	2.877	0.174	0.729	0.914	0.0	0.1	0.7	0.0	0.8
0343 4.0'	35.3	0.406	0.051	0.132	0.038	0.050	0.041	0.0	0.0	0.4	0.0	0.5
0344 4.0'	4.7	0.236	0.101	0.069	0.102	0.056	0.020	0.0	0.0	0.8	0.0	0.8
0345 4.0'	227.6	0.411	0.060	0.188	0.071	0.064	0.088	0.0	0.0	0.8	0.0	0.8
0346 4.0'	6.0	0.136	0.040	0.071	0.033	0.056	0.014	0.0	0.0	0.8	0.3	1.1
0347 4.0'	12.8	0.322	0.057	0.105	0.054	0.040	0.055	0.0	0.0	0.8	0.0	0.8
0348 4.0'	1.7	0.036	0.025	0.027	0.039	0.017	0.025	0.1	0.0	0.7	0.0	0.8
0349 4.0'	6.4	0.208	0.107	0.086	0.070	0.048	0.035	0.0	0.0	0.5	0.0	0.5
0350 3.5'	45.4	1.454	0.449	0.508	0.305	0.099	0.198	0.0	0.0	1.2	0.0	1.2
0351 4.0'	66.0	1.227	0.188	0.340	0.143	0.169	0.000	0.3	0.0	2.1	0.7	3.2
0352 4.0'	10,983.8	1.221	0.000	0.427	0.000	0.490	0.278	0.0	5.2	5.0	0.4	10.6
0353 3.0'	11,031.8	0.690	0.165	0.000	0.083	0.174	0.178	3.2	1.3	2.6	0.5	7.5
0354 4.0'	2,326.4	0.243	0.009	0.070	0.105	0.114	0.285	29.2	34.5	64.4	15.6	143.8
0355 4.0'	29.8	0.377	0.077	0.144	0.086	0.065	0.111	0.0	0.0	1.2	0.0	1.2
0356 4.0'	296.7	1.464	0.685	0.416	0.393	0.067	0.147	0.0	0.0	0.8	0.0	0.8
0357 4.0'	1,327.4	0.654	0.416	0.115	0.241	0.429	13.446	5,873.0	4,589.6	1,254.8	288.3	12,005.6
0358 2.7'	12.6	0.241	0.192	0.064	0.115	0.061	0.023	0.0	0.0	0.8	0.0	0.8
0359 4.0'	76,945.8	1.039	0.244	0.150	0.195	0.140	0.177	2.7	3.7	1.3	0.0	7.8
0360 4.0'	597.3	0.589	0.142	0.245	0.115	0.098	0.079	0.0	0.0	1.1	0.0	1.1
0361 4.0'	51.7	0.341	0.240	0.128	0.132	0.029	0.044	0.0	0.0	0.7	0.0	0.7
0362 4.0'	24.1	0.869	0.450	0.302	0.327	0.119	0.119	0.0	0.0	0.7	0.6	1.3
0363 4.0'	11.0	0.235	0.188	0.109	0.244	0.061	0.203	0.1	0.0	0.8	0.0	1.0
0364 4.0'	2.2	0.189	0.065	0.080	0.160	0.047	0.028	0.0	0.0	0.7	0.0	0.7
0365 4.0'	9.9	0.280	0.025	0.059	0.030	0.040	0.024	0.0	0.0	0.9	0.0	0.9
0366 3.0'	598.7	6.134	0.901	1.579	0.517	0.459	2.447	4.8	2.4	1.3	0.0	8.5
0367 4.0'	3,670.1	3.407	0.332	1.349	0.774	13.180	125.650	1,752.8	1,307.7	492.3	223.1	3,775.8
0368 3.5'	186,979.1	68.109	0.771	7.482	0.000	278.180	1,800.400	7,762.5	3,420.6	612.6	0.0	11,795.7
0369 3.5'	114,896.9	28.570	0.412	4.104	0.398	79.031	601.900	1,319.8	868.6	230.9	3.2	2,422.5
0370 3.0'	482.8	2.219	0.000	2.287	0.000	0.345	0.437	6.7	6.6	3.8	0.0	17.1
0371 4.0'	27.5	0.987	0.077	0.255	0.088	0.104	0.072	1.0	1.2	1.5	0.0	3.7
0372 4.0'	718.4	2.252	0.527	0.320	0.185	2.415	0.954	13.3	19.4	0.0	0.0	32.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0373 4.0'	239.0	1.588	0.299	0.377	0.179	0.097	0.208	0.1	0.0	1.2	0.0	1.4
0374 4.0'	10.7	0.383	0.220	0.142	0.154	0.071	0.056	0.2	0.0	1.4	0.0	1.7
0375 4.0'	61.3	2.564	0.236	1.067	0.159	0.351	0.464	0.9	0.0	1.3	0.0	2.1
0376 4.0'	164,499.6	49.266	0.286	1.149	0.224	1.087	0.666	201.4	317.6	81.7	0.0	600.7
0377 4.0'	8.6	0.211	0.043	0.077	0.026	0.045	0.059	0.5	0.0	1.5	0.0	2.0
0378 4.0'	26.0	0.897	0.576	0.287	0.399	0.073	0.127	0.0	0.7	2.2	0.0	2.9
0379 4.0'	45.1	1.527	0.308	0.595	0.200	0.134	0.270	0.0	0.0	1.5	0.6	2.1
0380 2.5'	84.6	1.946	0.889	0.541	0.425	0.116	0.270	0.0	0.1	1.8	0.0	2.0
0381 4.0'	7.4	0.394	0.418	0.174	0.268	0.241	0.073	0.0	0.0	2.2	0.0	2.2
0382 4.0'	183.4	3.936	0.503	1.054	0.354	0.328	0.300	0.2	0.0	1.4	0.0	1.6
0383 4.0'	13.3	0.454	0.113	0.144	0.135	0.033	0.038	616.0	485.2	286.6	93.9	1,481.7
0384 4.0'	143.4	3.844	0.366	1.122	0.301	0.339	0.329	0.1	0.0	1.1	0.0	1.2
0385 4.0'	8.9	0.287	0.121	0.090	0.090	0.063	0.026	0.3	0.0	0.9	0.0	1.3
0386 4.0'	393.3	1.590	0.105	0.708	0.080	0.243	0.214	0.1	0.0	1.0	0.6	1.7
0387 4.0'	1,131.6	0.185	0.182	0.082	0.116	0.061	0.032	0.0	0.0	1.1	0.8	1.9
0388 4.0'	155.6	3.866	0.469	1.019	0.282	0.309	0.299	0.0	0.0	0.1	0.0	0.1
0389 2.5'	72.4	1.934	0.616	0.803	0.441	0.143	0.261	0.2	0.0	0.9	0.0	1.1
0390 4.0'	278.6	5.866	1.402	1.755	0.940	0.453	0.584	0.0	0.0	0.1	0.0	0.1
0391 4.0'	111.0	0.719	0.118	0.117	0.097	0.050	0.039	0.0	0.0	0.8	0.3	1.0
0392 3.5'	55,627.0	5.889	2.183	2.031	1.415	0.540	1.111	0.0	0.0	0.1	0.0	0.1
0393 3.5'	20,386.7	79.766	1.706	1.324	1.515	0.270	0.432	0.0	0.0	0.1	0.0	0.1
0394 4.0'	353,402.0	0.000	0.000	1.168	0.164	0.512	20.541	923.2	1,319.7	356.5	5.7	2,605.1
0395 4.0'	7.9	0.310	0.091	0.108	0.070	0.059	0.034	0.0	0.0	0.1	0.0	0.1
0396 4.0'	161.3	1.652	0.121	0.578	0.060	0.200	0.199	0.0	0.0	1.2	0.0	1.2
0397 4.0'	8.4	0.216	0.100	0.087	0.072	0.031	0.031	0.3	0.0	1.0	0.0	1.3
0398 4.0'	7.3	0.525	0.134	0.209	0.081	0.077	0.066	0.2	0.0	1.1	0.0	1.3
0399 4.0'	5.7	0.202	0.063	0.132	0.052	0.102	0.053	0.6	0.0	1.1	0.0	1.8
0400 4.0'	99.1	3.081	0.328	0.969	0.216	0.254	0.266	0.0	0.0	1.1	0.0	1.1
0401 3.5'	196.9	4.923	0.218	1.020	0.140	0.261	0.268	0.0	0.0	1.1	0.1	1.2
0402 4.0'	36.5	2.617	0.127	0.814	0.115	0.183	0.196	0.1	0.0	1.1	0.3	1.5
0403 4.0'	16.0	0.452	0.059	0.158	0.051	0.070	0.053	0.1	0.1	1.0	0.9	2.1



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7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0404 3.5'	11.2	0.362	0.097	0.119	0.070	0.076	0.037	0.1	0.0	1.2	0.0	1.3
0405 4.0'	27.4	0.702	0.190	0.221	0.141	0.056	0.075	0.0	0.0	1.2	0.0	1.2
0406 3.5'	10.1	0.395	0.113	0.174	0.087	0.115	0.055	0.1	0.2	1.2	0.0	1.5
0407 3.5'	20.3	0.420	0.061	0.148	0.053	0.056	0.046	0.1	0.0	1.0	0.0	1.1
0408 3.5'	25.5	0.824	0.000	0.247	0.000	0.101	0.070	0.0	0.0	0.0	0.0	0.0
0409 4.0'	674.5	21.303	0.000	6.524	0.000	1.707	1.863	8.4	0.1	0.5	0.0	9.1
0410 4.0'	150.6	5.195	0.000	1.857	0.000	0.511	0.584	1.0	0.0	0.5	0.0	1.5
0411 4.0'	106,481.8	0.421	0.000	0.860	0.000	58.119	272.077	757.6	1,243.5	5.7	0.0	2,006.8
0412 4.0'	46.3	0.765	0.000	0.921	0.000	0.068	0.099	0.7	0.0	0.7	0.0	1.4
0413 4.0'	154,468.9	31.310	0.000	35.860	0.000	803.730	122.069	124.9	92.0	1.2	0.0	218.2
0414 4.0'	23,372.7	11.594	0.000	30.472	0.000	669.862	930.591	1,523.3	593.8	5.3	0.0	2,122.4
0415 4.0'	10.7	0.237	0.000	0.101	0.000	0.049	0.041	0.0	0.0	0.5	0.0	0.5
0416 3.0'	66.5	1.468	0.000	0.542	0.000	0.142	0.162	1.2	0.0	0.8	0.0	2.0
0417 4.0'	87.2	1.660	0.000	0.752	0.000	0.183	0.264	0.0	0.0	0.5	0.0	0.5
0418 4.0'	129.2	4.021	0.000	1.626	0.000	0.436	0.035	0.8	0.0	0.4	0.0	1.2
0419 3.0'	19,683.2	3.216	0.268	1.523	0.543	0.220	0.369	0.0	0.0	0.2	0.0	0.2
0420 3.0'	9,586.2	0.825	0.063	0.380	0.062	0.168	0.200	0.0	0.0	0.0	0.0	0.0
0421 4.0'	31.9	0.331	0.000	0.124	0.000	0.508	0.035	5.3	0.0	0.0	0.0	5.3
0422 3.0'	150.3	0.053	0.000	0.035	0.000	0.072	0.049	0.1	1.0	0.2	0.0	1.3
0423 4.0'	625.4	0.636	0.000	0.736	0.000	10.732	26.904	59.6	56.4	13.7	0.0	129.7
0424 4.0'	46.2	0.303	0.000	0.138	0.000	0.037	0.056	1.8	3.9	1.4	0.0	7.1
0425 3.0'	5.5	0.171	0.000	0.547	0.000	0.281	0.662	0.0	0.0	0.5	0.0	0.5
0426 3.0'	26.6	0.154	0.000	0.267	0.000	0.267	0.362	18.4	0.0	0.6	0.0	19.0
0427 3.0'	8.3	0.102	0.000	0.060	0.000	0.058	0.018	0.8	0.8	0.7	0.0	2.3
0428 2.5'	62.4	0.212	0.000	0.124	0.000	0.102	0.271	2.2	2.8	0.8	0.0	5.7
0429 3.0'	182,738.2	12.446	0.000	2.268	0.000	154.378	425.504	4,183.7	1,141.4	39.0	0.0	5,364.1
0430 3.5'	32.0	1.297	0.000	0.834	0.000	0.196	0.288	3.2	3.5	1.4	0.0	8.1
0431 2.7'	1,067.6	0.146	0.000	0.700	0.000	0.402	0.477	0.0	5.2	1.8	0.0	7.0
0432 3.5'	1,716.5	1.395	0.000	0.851	0.000	2.240	3.802	3.8	2.0	0.5	0.0	6.3
0433 3.5'	7,268.6	2.195	0.000	1.289	0.000	47.182	75.771	40.9	22.6	0.9	0.0	64.4
0434 4.0'	386.4	0.280	0.000	0.309	0.000	3.216	8.764	19.5	7.9	1.5	0.0	28.9



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0435 4.0'	523.2	0.481	0.000	0.414	0.000	9.227	24.452	31.4	16.5	2.2	1.0	51.1
0436 4.0'	273.0	0.187	0.000	0.128	0.000	1.397	4.207	10.9	8.5	3.6	0.0	23.0
0437 3.5'	50.3	2.550	0.185	1.050	0.108	0.266	0.393	0.0	0.0	0.2	0.0	0.2
0438 4.0'	1,301.5	0.075	0.134	0.043	0.013	0.035	0.034	0.0	0.0	0.1	0.0	0.1
0439 3.5'	711.1	1.469	0.524	0.567	0.398	0.166	0.146	0.0	0.0	0.3	0.0	0.3
0440 4.0'	23.2	0.025	0.000	0.016	0.000	0.040	0.070	88.4	123.9	1.1	0.0	213.4
0441 4.0'	989.6	22.882	0.000	5.193	0.000	1.069	5.094	34.2	19.9	3.7	0.0	57.7
0442 4.0'	140.4	0.114	0.000	0.068	0.000	0.481	1.211	15.9	17.6	9.8	0.0	43.3
0443 4.0'	30,565.2	0.832	0.000	0.836	0.000	14.362	172.926	1,377.7	550.4	275.4	84.0	2,287.5
0444 4.0'	79.4	0.937	0.182	0.414	0.094	1.929	22.022	351.9	390.9	146.1	60.2	949.1
0445 4.0'	166.5	0.093	0.000	0.077	0.000	0.116	1.032	16.1	12.8	4.2	2.3	35.4
0446 4.0'	330.0	0.212	0.000	0.052	0.000	0.136	0.824	17.9	10.7	3.6	0.0	32.2
0447 4.0'	0.7	0.040	0.000	0.066	0.000	0.070	0.018	5.3	5.6	1.8	0.0	12.8
0448 4.0'	24.2	0.422	0.000	0.165	0.000	0.071	0.052	4.3	0.0	0.8	0.0	5.1
0449 4.0'	7.0	0.241	0.000	0.086	0.000	0.852	0.072	21.3	0.0	0.8	0.0	22.1
0450 4.0'	105.8	0.362	0.000	0.250	0.000	0.074	0.053	14.6	2.9	1.8	0.0	19.4
0451 4.0'	55.5	0.366	0.000	0.094	0.000	0.359	3.181	128.2	134.1	55.7	12.8	330.8
0452 4.0'	204,056.3	23.572	0.000	0.137	0.000	8.056	87.934	11,104.8	6,036.9	46.2	5.2	17,192.9
0453 4.0'	3,896.5	1.433	0.000	0.183	0.000	18.370	147.392	10,804.8	5,319.3	1,249.7	196.2	17,569.9
0454 4.0'	1,405.2	0.625	0.000	0.194	0.000	0.079	0.608	660.1	1,169.4	234.1	17.0	2,080.7
0455 4.0'	15,952.5	10.757	0.000	0.199	0.000	5.663	40.083	3,898.4	1,791.4	576.4	139.4	6,405.7
0456 4.0'	14.0	0.582	0.000	0.313	0.000	0.039	0.176	0.2	0.0	0.2	0.0	0.4
0457 4.0'	5,038.7	0.327	0.000	0.030	0.000	0.020	0.024	0.0	9.5	13.1	3.0	25.5
0458 4.0'	249.8	5.112	0.000	2.206	0.000	0.380	0.530	10.3	7.6	2.9	0.0	20.8
0459 4.0'	206.7	2.988	0.000	0.958	0.000	0.251	0.277	0.0	0.0	0.6	0.0	0.6
0460 4.0'	5,464.2	13.067	0.000	2.805	0.000	0.130	0.254	15.8	12.4	21.3	35.5	85.0
0461 4.0'	34.1	0.128	0.000	0.135	0.000	0.046	0.046	16.6	12.7	4.1	0.0	33.3
0462 4.0'	112.2	0.428	0.000	0.154	0.000	0.078	0.047	0.3	0.1	0.7	0.0	1.1
0463 4.0'	34.8	0.503	0.000	0.270	0.000	0.043	0.038	4.7	0.5	0.5	0.0	5.7
0464 3.7'	2.9	0.029	0.000	0.027	0.000	0.050	0.025	0.0	0.0	1.2	0.0	1.2
0465 4.0'	5,989.4	1.862	0.000	0.105	0.000	0.148	3.328	242.1	288.8	59.5	0.0	590.4



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0466 4.0'	31.1	0.036	0.000	0.057	0.000	0.048	0.019	0.0	2.1	1.4	0.0	3.5
0467 4.0'	222,227.8	46.974	0.000	58.009	0.000	672.078	75,285.000	18,119.7	5,935.6	878.0	4.9	24,938.3
0468 3.0'	62.5	0.534	0.000	0.191	0.000	0.064	0.059	1.1	1.4	0.9	0.0	3.3
0469 2.5'	10.6	0.179	0.000	0.063	0.000	0.037	0.016	0.1	0.0	0.3	0.0	0.4
0470 4.0'	708.8	6.602	0.000	1.267	0.000	0.248	0.342	0.0	0.0	0.3	0.0	0.3
0471 4.0'	8.3	0.172	0.000	0.088	0.000	0.051	0.028	0.0	0.0	0.8	0.0	0.8
0472 4.0'	288.3	7.388	0.000	2.455	0.000	0.603	0.710	0.6	0.0	0.6	0.0	1.2
0473 4.0'	1,727.8	8.930	0.000	3.432	0.000	0.779	1.107	0.0	1.3	1.2	0.0	2.5
0474 4.0'	302.5	33.162	0.000	14.108	0.000	3.183	4.422	4.3	2.8	1.4	0.0	8.5
0475 2.5'	164.3	0.359	0.000	0.104	0.000	0.076	0.038	0.7	0.0	0.4	0.0	1.1
0476 2.5'	128.3	1.381	0.000	0.963	0.000	0.069	0.095	1.8	1.5	0.6	0.0	3.9
0477 2.0'	151.0	0.151	0.000	0.165	0.000	0.246	0.054	0.3	0.3	0.0	0.0	0.5
0478 4.0'	66.6	2.877	0.000	1.266	0.000	0.361	0.486	3.6	0.0	0.5	0.0	4.1
0479 4.0'	0.4	0.004	0.000	0.003	0.000	0.004	0.003	1.2	0.0	3.2	0.0	4.4
0481 4.0'	22.7	0.805	0.000	0.278	0.000	0.072	0.069	0.6	1.0	1.1	0.0	2.6
0482 3.7'	257.3	2.945	0.000	1.072	0.000	0.278	0.316	0.0	0.0	0.7	0.0	0.7
0483 4.0'	88.2	2.574	0.000	2.008	0.000	0.557	1.430	3.7	3.1	1.7	0.0	8.4
0484 2.5'	383.3	0.145	0.000	0.095	0.000	0.076	0.046	0.0	0.0	0.8	0.0	0.8
0485 4.0'	24,925.9	0.401	0.000	0.296	0.000	0.086	0.151	0.0	0.0	0.7	0.6	1.3
0486 4.0'	223.3	0.104	0.000	0.370	0.000	0.230	0.178	0.3	0.3	0.0	0.0	0.6
0487 4.0'	40.3	1.336	0.000	0.592	0.000	0.173	0.239	7.4	5.1	1.9	0.0	14.4
0488 4.0'	18,099.3	12.177	0.000	321.316	0.000	97.600	137.881	1.6	0.0	0.0	0.0	1.6
0489 3.0'	11.0	0.090	0.000	0.038	0.000	0.047	0.006	0.0	0.0	0.0	0.0	0.0
0490 3.5'	18,990.3	6.057	0.000	243.640	0.000	31.645	89.652	0.0	0.0	0.0	12.9	12.9
0491 3.7'	47.8	0.830	0.000	0.304	0.000	0.073	0.100	0.0	0.0	2.9	0.0	2.9
0492 3.5'	47.1	0.425	0.000	0.096	0.000	0.053	0.012	0.0	0.0	0.3	0.0	0.3
0493 4.0'	49.3	1.302	0.261	0.419	0.167	0.121	0.111	0.0	0.0	0.8	0.0	0.8
0494 3.0'	9.7	0.265	0.038	0.119	0.034	0.067	0.049	0.0	0.0	0.2	0.0	0.2
0495 4.0'	66.9	0.359	0.058	0.118	0.055	0.050	0.041	0.0	0.0	0.8	0.0	0.8
0496 4.0'	29.0	0.789	0.237	0.300	0.168	0.089	0.150	0.0	0.0	0.9	0.0	0.9
0497 4.0'	286.8	0.716	0.089	0.347	0.075	0.101	0.124	0.0	0.0	0.1	0.0	0.1





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0498 3.7'	43.6	1.690	0.302	0.602	0.226	0.143	0.175	0.0	0.0	0.7	0.0	0.7
0499 3.7'	189.6	6.851	1.067	2.661	0.767	0.576	0.984	0.2	0.1	0.3	0.0	0.6
0500 4.0'	102.0	2.806	0.489	0.979	0.364	0.258	0.288	0.0	0.0	0.8	0.0	0.8
0501 4.0'	2,458.6	0.188	0.000	0.097	0.000	0.043	0.028	0.0	0.0	0.0	0.0	0.0
0502 3.0'	13.8	0.204	0.000	0.211	0.000	0.122	0.062	0.5	0.0	0.0	0.0	0.5
0503 4.0'	6,245.7	0.090	0.000	0.072	0.000	0.034	0.034	0.0	0.0	0.2	0.0	0.2
0504 3.5'	33.5	1.323	0.000	0.102	0.000	0.045	0.040	0.3	0.0	0.3	0.0	0.6
0505 3.0'	10.2	0.025	0.000	0.085	0.000	0.070	0.034	0.2	0.0	0.9	0.6	1.6
0506 4.0'	163.7	1.495	0.000	2.104	0.000	0.305	0.740	2.4	0.0	0.3	0.0	2.7
0507 4.0'	250.0	1.678	0.000	0.669	0.000	0.141	0.104	0.1	0.0	0.2	0.0	0.4
0508 4.0'	154.7	0.890	0.000	0.421	0.000	0.072	0.096	0.0	0.0	0.0	0.0	0.0
0509 3.0'	2,066.3	0.909	0.000	0.762	0.000	0.188	0.241	7.2	0.0	0.8	0.0	8.0
0510 3.0'	77.0	0.028	0.000	0.042	0.000	0.050	0.023	0.0	0.0	0.3	0.0	0.3
0511 3.5'	30.4	0.018	0.001	0.013	0.006	0.081	0.015	0.0	0.0	0.3	0.0	0.3
0512 4.0'	1,130.3	1.627	0.003	1.096	0.045	0.258	0.398	0.0	0.0	0.4	0.0	0.4
0513 4.0'	875.7	1.909	0.078	0.491	0.000	0.132	0.122	0.0	0.0	0.7	0.0	0.7
0514 4.0'	5.2	0.134	0.022	0.053	0.000	0.830	2.271	16.6	8.8	0.7	0.0	26.2
0515 4.0'	58,495.5	117.860	0.619	2.816	0.509	103.440	480.640	2,574.3	813.7	6.2	0.7	3,394.8
0516 3.0'	1,669.1	0.425	0.000	0.061	0.000	0.040	0.033	1.0	0.0	0.2	0.0	1.2
0517 3.7'	8.2	0.132	0.000	0.140	0.000	0.063	0.045	2.3	0.0	0.3	0.0	2.6
0518 4.0'	7.9	0.172	0.000	0.231	0.000	0.082	0.223	8.4	0.0	0.3	0.0	8.7
0519 3.0'	83.3	0.053	0.000	0.120	0.000	0.070	0.069	0.0	0.0	0.0	0.0	0.0
0520 3.5'	53.5	0.125	0.000	0.086	0.000	0.044	0.036	0.6	0.0	0.3	0.0	1.0
0521 3.7'	1,800.3	0.345	0.000	0.193	0.000	0.060	0.043	0.0	0.0	0.3	0.0	0.3
0522 4.0'	9.4	0.159	0.000	0.087	0.000	0.058	0.043	1.3	0.0	0.4	0.0	1.7
0523 4.0'	1,846.9	0.246	0.000	0.128	0.000	0.071	0.046	9.2	0.0	0.3	0.0	9.5
0524 4.0'	50.9	2.106	0.000	1.193	0.000	0.374	0.421	3.5	0.0	0.5	0.0	4.0
0525 3.0'	96.5	2.870	0.000	1.950	0.000	0.435	0.161	0.5	0.1	0.4	0.0	1.0
0526 3.5'	8.2	0.104	0.000	0.053	0.000	0.054	0.045	9.8	4.0	1.5	0.0	15.4
0527 3.0'	302.6	0.104	0.000	0.101	0.000	0.169	0.300	7.3	4.8	1.7	0.8	14.6
0528 3.0'	2.2	0.041	0.000	0.040	0.000	0.055	0.009	12.6	0.0	0.0	0.0	12.6



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0529 3.0'	27.0	0.073	0.000	0.093	0.000	0.055	0.033	1.6	2.2	0.8	0.0	4.5
0530 3.0'	16.7	0.092	0.000	0.107	0.000	0.063	0.026	0.2	0.4	0.6	0.0	1.2
0531 3.0'	11.5	0.128	0.000	0.086	0.000	0.055	0.034	0.2	0.0	0.4	0.0	0.6
0532 3.0'	12.3	0.217	0.000	0.134	0.000	0.062	0.039	0.0	0.0	0.5	0.0	0.5
0533 4.0'	138.1	0.973	0.000	0.302	0.000	0.078	0.115	0.0	0.0	0.3	0.0	0.3
0534 3.5'	71.8	0.660	0.000	0.423	0.000	0.084	0.130	0.0	0.6	0.5	0.0	1.1
0535 3.0'	1.8	0.022	0.000	0.015	0.000	0.044	0.019	1.5	1.3	0.9	0.0	3.7
0537 4.0'	1,600.2	3.218	0.000	2.029	0.000	0.607	0.745	0.0	0.0	0.3	0.0	0.3
0538 4.0'	2.8	0.042	0.000	0.030	0.000	0.035	0.013	0.0	0.0	0.3	0.0	0.3
0539 4.0'	13.5	0.278	0.000	0.158	0.000	0.065	0.067	151.1	0.0	0.0	0.0	151.1
0540 4.0'	352.8	0.270	0.000	0.254	0.000	0.144	0.041	0.9	0.0	0.6	0.0	1.6
0541 4.0'	6.9	0.338	0.000	0.155	0.000	0.139	0.055	0.0	0.0	1.0	0.0	1.0
0542 4.0'	9.8	0.122	0.000	0.086	0.000	0.044	0.026	0.0	0.0	0.4	0.0	0.4
0543 4.0'	20.0	0.095	0.000	0.032	0.000	0.510	2.935	52.2	24.8	7.5	0.0	84.5
0544 4.0'	3.1	0.074	0.000	0.034	0.000	0.048	0.026	8.1	0.0	0.3	0.0	8.4
0545 4.0'	42.7	0.158	0.000	0.102	0.000	0.075	0.060	0.0	0.0	0.2	0.0	0.2
0546 4.0'	5,840.7	1.844	0.000	0.903	0.000	0.313	0.372	0.0	0.0	0.7	0.0	0.7
0547 4.0'	89.2	0.340	0.000	0.095	0.000	0.076	0.024	3.6	4.1	2.4	0.0	10.1
0548 3.7'	1,306.9	0.127	0.000	0.131	0.022	0.055	0.068	0.0	0.0	0.0	0.0	0.0
0549 4.0'	2.4	0.105	0.035	0.034	0.028	0.020	0.018	0.1	0.0	0.2	0.0	0.3
0550 4.0'	721.5	0.989	0.132	0.446	0.069	0.122	0.188	0.0	0.0	0.2	0.0	0.2
0551 4.0'	18.7	0.762	0.320	0.371	0.172	0.148	0.208	0.0	0.0	0.1	0.0	0.1
0552 3.5'	88.1	2.612	0.232	1.014	0.158	0.244	0.334	0.0	0.0	0.3	0.0	0.3
0553 4.0'	66,245.6	0.957	0.000	0.377	0.000	0.428	0.463	14.1	33.9	0.0	0.0	48.0
0554 4.0'	1,063.2	0.310	0.000	0.100	0.000	0.050	0.033	0.0	0.2	0.3	0.0	0.5
0555 3.0'	8,249.8	3.715	0.000	117.648	0.000	36.986	41.883	0.0	0.0	0.2	0.0	0.2
0556 3.0'	12,820.4	1.685	0.000	86.041	0.000	26.430	39.457	0.0	1.5	0.0	0.0	1.5
0557 4.0'	52,622.6	2.512	0.000	0.352	0.000	1.108	4.717	24.3	88.3	0.0	0.0	112.5
0558 4.0'	62.5	0.299	0.000	0.093	0.000	0.066	0.027	1.2	0.0	0.4	0.0	1.6
0559 4.0'	37.3	1.473	0.330	0.624	0.187	0.188	0.239	0.0	0.0	0.9	0.1	1.0
0560 4.0'	2.1	0.067	0.017	0.015	0.031	0.034	0.016	0.0	0.0	0.2	0.0	0.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0561 4.0'	78.0	1.520	0.193	0.545	0.189	0.135	0.202	0.0	0.0	0.8	0.0	0.8
0562 4.0'	68.0	0.171	0.000	0.075	0.000	0.053	0.032	7.2	0.0	0.4	0.0	7.6
0563 3.5'	863.5	0.951	0.000	1.631	0.122	0.484	0.524	0.0	0.0	0.2	0.0	0.2
0564 4.0'	10.5	0.191	0.095	0.073	0.087	0.037	0.053	0.0	0.0	0.7	0.0	0.7
0565 4.0'	51.4	3.225	0.531	4.100	0.392	0.641	3.379	0.6	0.4	0.3	0.0	1.3
0566 4.0'	567.5	1.894	0.000	0.713	0.000	0.230	0.178	12.5	0.0	0.4	0.0	12.9
0567 4.0'	3,842.6	2.544	0.000	0.653	0.000	0.172	0.199	0.0	0.0	0.7	0.0	0.7
0568 4.0'	131.4	0.480	0.000	0.290	0.000	0.106	0.090	0.0	0.0	0.3	0.0	0.3
0569 4.0'	31.7	0.781	0.000	0.328	0.000	0.092	0.206	0.0	0.0	0.2	0.0	0.2
0570 4.0'	96.5	0.097	0.018	0.108	0.029	0.062	0.076	0.0	0.0	0.1	0.0	0.1
0571 4.0'	135.0	3.119	0.329	1.242	0.212	0.330	0.317	0.0	0.0	0.5	1.2	1.7
0572 3.5'	54.8	0.881	0.000	0.449	0.000	0.149	0.138	9.7	0.0	0.4	0.0	10.1
0573 4.0'	73.9	0.933	0.000	0.487	0.000	0.217	0.305	4.3	2.2	0.7	0.0	7.2
0574 4.0'	193.8	1.727	0.000	0.780	0.000	0.218	0.227	0.0	0.0	0.2	0.0	0.2
0575 4.0'	137.2	3.812	0.000	1.794	0.000	0.467	0.564	5.0	5.6	1.9	0.4	13.0
0576 4.0'	5.3	0.125	0.000	0.053	0.000	0.048	0.017	2.6	0.9	0.6	0.0	4.1
0577 4.0'	458.3	0.163	0.000	0.359	0.000	0.146	0.171	0.0	0.6	0.5	0.0	1.1
0578 3.5'	1,082.7	0.198	0.000	0.147	0.000	0.064	0.080	18.8	19.6	21.5	8.2	68.2
0579 3.0'	119.5	0.069	0.000	0.100	0.000	0.089	0.046	0.8	0.7	0.0	0.0	1.4
0580 4.0'	4,528.7	0.934	0.000	0.435	0.000	0.207	0.248	0.9	2.0	1.6	0.0	4.6
0581 3.5'	10,591.1	13.152	0.000	0.882	0.000	0.620	2.544	88.9	641.1	180.6	0.0	910.7
0582 3.5'	44,257.5	0.701	0.000	0.403	0.000	0.211	0.375	0.0	6.5	5.7	0.0	12.2
0583 3.0'	5,969.0	0.102	0.000	0.076	0.000	0.092	0.084	0.0	2.5	1.7	0.0	4.2
0584 4.0'	10.1	0.128	0.000	0.075	0.000	0.062	0.032	17.6	0.0	0.0	0.0	17.6
0585 4.0'	1,020.3	0.085	0.000	0.054	0.000	0.061	0.022	0.7	0.0	0.3	0.0	1.0
0586 4.0'	157.6	0.352	0.000	0.159	0.000	0.084	0.035	0.0	0.0	0.6	0.0	0.6
0587 4.0'	657.8	0.052	0.000	34.134	0.000	3.503	6.291	0.1	0.2	0.3	0.0	0.6
0588 4.0'	54.4	0.136	0.000	0.068	0.000	0.065	0.024	20.1	0.0	0.4	0.0	20.5
0589 3.5'	1,239.0	0.196	0.000	0.092	0.000	0.087	0.029	0.0	0.1	0.7	0.0	0.8
0590 3.0'	27.9	1.317	0.000	0.396	0.000	0.087	0.149	0.6	0.0	0.5	0.0	1.1
0591 4.0'	1,336.4	0.209	0.000	0.169	0.000	0.070	0.144	1.2	0.0	0.3	0.0	1.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0592 3.0'	13.6	0.048	0.000	0.036	0.000	0.047	0.008	13.0	0.0	0.8	0.0	13.8
0593 4.0'	1.7	0.055	0.000	0.043	0.000	0.049	0.031	3.7	0.0	0.8	0.0	4.5
0594 3.0'	17.4	0.371	0.000	0.254	0.000	0.094	0.081	22.4	0.0	0.4	0.0	22.7
0595 4.0'	9.5	0.091	0.000	0.068	0.000	0.060	0.035	0.0	0.0	0.0	0.0	0.0
0596 3.0'	67.2	0.622	0.000	0.311	0.000	0.095	0.093	11.4	0.0	0.5	0.0	11.9
0597 4.0'	1.6	0.327	0.000	0.010	0.000	0.051	0.009	0.0	0.0	0.5	0.0	0.5
0598 4.0'	605.6	15.469	0.000	4.161	0.000	0.851	0.693	0.0	0.1	0.4	0.0	0.5
0599 2.0'	96.1	3.659	0.000	1.847	0.000	0.585	0.856	1.5	0.9	1.1	0.0	3.5
0600 3.0'	30.3	0.074	0.000	0.277	0.000	0.226	0.129	0.7	0.0	0.7	0.0	1.4
0602 3.5'	38.3	0.402	0.000	0.188	0.000	0.086	0.073	0.0	0.0	0.0	0.0	0.0
0603 3.0'	2.5	0.070	0.000	0.057	0.000	0.118	0.032	0.0	0.0	0.0	0.0	0.0
0604 4.0'	104.0	0.263	0.000	0.593	0.000	0.061	0.102	0.0	0.0	1.1	0.0	1.1
0605 3.7'	31.0	0.291	0.000	0.121	0.000	0.078	0.026	0.2	0.0	1.1	0.9	2.3
0606 4.0'	3,226.5	1.142	0.000	0.469	0.000	0.128	0.122	0.0	0.0	0.5	0.0	0.5
0607 4.0'	221.8	1.489	0.000	0.528	0.000	0.000	0.000	0.0	0.0	0.0	0.0	0.0
0608 47.0'	142.7	2.764	0.000	1.099	0.000	0.266	0.313	0.0	0.0	0.0	0.0	0.0
0609 4.0'	382.2	6.842	0.000	2.468	0.000	0.652	0.654	0.0	0.0	1.1	0.0	1.1
0610 4.0'	302.8	1.122	0.000	0.405	0.000	0.232	0.147	0.0	0.0	0.3	0.0	0.3
0611 4.0'	87.2	1.732	0.000	0.723	0.000	0.183	0.173	0.0	0.0	1.0	0.8	1.8
0612 4.0'	168.3	2.151	0.000	1.365	0.000	0.233	0.260	0.0	0.0	0.4	0.0	0.4
0613 3.0'	1.1	0.049	0.000	0.038	0.000	0.056	0.045	0.0	0.0	1.0	0.0	1.0
0614 4.0'	2,589.3	1.307	0.000	0.879	0.000	0.091	0.130	0.0	0.0	0.0	0.0	0.0
0615 3.0'	347.5	7.377	0.000	2.914	0.000	0.584	0.641	0.0	0.0	0.5	0.0	0.5
0616 4.0'	202.4	2.425	0.000	1.303	0.000	0.257	0.313	0.0	0.0	0.0	0.0	0.0
0617 4.0'	385.4	4.136	0.000	1.974	0.000	0.395	0.492	0.0	0.0	0.0	0.0	0.0
0618 3.0'	29.4	0.137	0.000	0.140	0.000	0.093	0.109	0.0	0.0	1.6	0.0	1.6
0619 4.0'	208.5	2.385	0.000	1.074	0.000	0.239	0.316	0.0	0.0	0.0	0.0	0.0
0620 3.0'	86.7	2.325	0.000	0.687	0.000	0.198	0.157	0.0	0.0	0.0	0.0	0.0
0621 4.0'	19,542.8	16.711	0.000	4.616	0.000	1.138	1.185	0.0	0.0	0.9	0.2	1.2
0622 4.0'	137.7	2.867	0.000	1.051	0.000	0.231	0.298	0.0	0.0	0.0	0.0	0.0
0623 4.0'	15.0	0.287	0.000	0.097	0.000	0.041	0.013	0.0	0.0	0.0	0.0	0.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0624 4.0'	393.8	0.239	0.000	0.135	0.000	0.060	0.044	0.0	0.0	0.0	0.0	0.0
0625 4.0'	15.5	0.389	0.000	0.122	0.000	0.043	0.030	0.0	0.0	0.0	0.0	0.0
0626 4.0'	2,089.4	2.377	0.344	1.174	0.293	0.253	0.300	0.0	0.0	0.1	0.0	0.1
0627 4.0'	1,064.6	15.018	0.000	5.963	0.000	1.062	1.485	0.0	0.1	1.2	0.5	1.8
0628 4.0'	36,985.0	6.217	0.000	2.503	0.290	0.720	0.661	0.0	0.0	0.2	0.0	0.2
0629 3.0'	378.8	4.872	0.000	2.562	0.000	0.381	0.712	0.0	0.0	0.6	0.0	0.6
0630 4.0'	5,735.0	2.123	0.000	0.761	0.000	0.194	0.188	0.0	0.0	0.6	0.0	0.6
0631 3.0'	423.3	11.116	0.000	5.269	0.000	1.112	1.789	0.1	0.4	0.7	0.0	1.2
0632 4.0'	1,183.9	0.304	0.000	13.820	0.000	0.060	0.037	0.0	0.0	0.6	0.0	0.6
0634 3.0'	69.9	0.112	0.000	0.463	0.000	0.222	0.298	0.0	0.0	0.0	0.0	0.0
0635 4.0'	12,652.1	0.163	0.000	0.064	0.000	0.110	0.058	0.0	0.0	0.0	0.0	0.0
0636 4.0'	15.7	0.382	0.000	0.185	0.000	0.065	0.054	0.6	0.0	0.3	0.0	0.9
0637 4.0'	22.9	0.707	0.000	0.240	0.000	0.066	0.062	0.0	0.0	0.0	0.0	0.0
0638 4.0'	1,179.9	4.961	0.000	144.471	0.000	39.647	52.349	0.0	0.0	0.0	0.0	0.0
0639 4.0'	70.0	0.788	0.000	0.408	0.000	0.110	0.104	0.0	0.0	0.3	0.0	0.3
0640 4.0'	220.2	2.808	0.000	1.417	0.000	0.267	0.246	0.1	0.0	0.0	0.0	0.1
0641 4.0'	3,311.7	3.216	0.000	1.257	0.000	0.353	0.395	0.0	0.0	0.0	0.0	0.0
0642 3.5'	3.1	0.048	0.000	0.035	0.000	0.087	0.011	0.2	0.0	0.0	2.7	3.0
0643 4.0'	54.2	0.754	0.000	0.425	0.000	0.138	0.136	0.2	0.0	0.2	0.0	0.4
0644 3.5'	1,078.1	1.927	0.000	0.632	0.000	0.191	0.186	0.0	0.0	0.0	0.0	0.0
0645 3.0'	6.7	0.081	0.000	0.066	0.000	0.048	0.022	0.0	0.0	0.0	0.0	0.0
0646 4.0'	54,698.0	13.928	0.000	1.091	0.000	4.141	1.860	0.0	0.0	0.0	0.0	0.0
0647 4.0'	375,770.6	78.864	0.000	4.046	0.000	42.552	59.217	123.2	54.8	1.5	0.0	179.5
0648 4.0'	129.0	1.070	0.202	0.518	0.142	0.138	0.180	0.1	0.0	0.4	0.0	0.5
0649 4.0'	116.8	0.629	0.000	0.482	0.000	0.177	0.192	0.5	0.0	0.3	0.0	0.7
0650 3.7'	13,240.5	14.547	0.000	6.564	0.000	1.412	1.412	0.0	0.0	0.8	0.0	0.8
0651 4.0'	89,574.4	20.416	0.000	3.538	0.000	214.993	81.928	110.6	35.8	8.9	0.0	155.3
0652 4.0'	353.4	0.677	0.000	0.302	0.000	0.488	0.016	8.2	3.8	0.0	0.0	12.0
0653 3.0'	25.5	0.427	0.115	0.171	0.089	0.059	0.050	0.0	0.0	0.7	0.0	0.7
0654 4.0'	440,965.8	117.935	0.093	13.005	0.153	159.090	186.070	477.1	711.6	223.6	3.5	1,415.9
0655 3.5'	226.2	1.597	0.000	0.665	0.000	0.135	0.139	0.2	0.0	0.8	0.0	1.0



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0656 3.0'	1,014.1	2.067	0.000	1.033	0.000	0.297	0.413	1.5	0.0	0.9	0.0	2.4
0657 4.0'	131,194.5	119.891	0.000	3.386	0.000	416.575	29.356	243.1	258.9	32.1	0.0	534.1
0658 4.0'	56.2	2.282	0.000	1.555	0.000	0.377	0.490	1.9	0.0	0.6	0.0	2.5
0659 3.0'	437.8	7.078	0.000	4.011	0.000	0.855	0.985	0.0	0.0	0.6	0.0	0.6
0660 3.5'	340.4	2.290	0.000	1.024	0.000	0.267	0.524	2.8	0.0	0.7	0.0	3.5
0661 4.0'	21.3	0.292	0.000	0.141	0.000	0.078	0.066	0.0	0.0	0.8	0.4	1.2
0662 4.0'	827.6	1.149	0.000	0.353	0.000	0.107	0.113	0.0	0.0	0.5	0.0	0.5
0663 3.7'	108.3	0.435	0.000	0.135	0.000	0.040	0.036	0.4	0.0	1.1	0.0	1.5
0664 3.0'	306.4	12.461	0.000	6.138	0.000	1.310	1.890	0.0	0.2	1.1	0.0	1.3
0665 3.5'	688.9	0.686	0.000	0.496	0.000	0.122	0.081	0.0	0.0	0.7	0.0	0.7
0666 4.0'	37,319.7	0.485	0.000	0.233	0.000	0.073	0.043	0.0	0.0	0.8	0.0	0.8
0667 3.5'	498.5	1.274	0.000	0.398	0.000	0.110	0.140	0.5	0.0	1.0	1.6	3.0
0668 4.0'	148.9	1.322	0.000	0.465	0.000	0.098	0.138	0.2	0.0	1.3	1.9	3.4
0669 3.5'	112.7	3.598	0.000	1.251	0.000	0.301	0.259	0.0	0.0	0.0	0.0	0.0
0671 4.0'	504.6	2.805	0.000	1.242	0.000	0.331	0.400	0.0	0.0	0.0	0.0	0.0
0672 4.0'	89.3	1.129	0.000	0.368	0.000	0.180	0.124	0.0	0.0	0.0	0.0	0.0
0673 4.0'	1,516.9	6.058	0.557	1.196	0.430	0.281	0.311	0.0	0.0	0.2	0.0	0.2
0675 4.0'	109.6	0.983	0.172	0.336	0.148	0.143	0.113	0.0	0.0	0.2	0.0	0.2
0676 3.0'	903.2	1.506	0.388	0.579	0.291	0.192	0.216	0.0	0.0	0.2	0.0	0.2
0677 4.0'	57.7	0.933	0.000	0.572	0.000	0.107	0.089	0.0	0.0	0.3	0.0	0.3
0678 4.0'	11.5	0.213	0.000	0.124	0.000	0.077	0.025	0.0	0.0	0.0	0.0	0.0
0679 3.5'	30.0	0.870	0.000	0.624	0.000	0.645	2.209	0.0	0.0	0.7	0.0	0.7
0680 4.0'	7,959.2	0.806	0.432	0.377	0.326	0.095	0.209	0.9	0.0	0.6	0.0	1.5
0681 4.0'	566.2	0.167	0.000	2.423	0.000	4.326	1.350	0.0	0.0	0.2	0.0	0.2
0683 4.0'	233.6	1.638	0.449	0.973	0.336	0.228	0.287	0.0	0.0	0.6	0.0	0.6
0684 3.0'	73.7	1.656	0.205	0.509	0.155	0.110	0.200	0.0	0.0	0.5	0.0	0.6
0685 3.7'	109.4	4.550	0.189	1.348	0.159	0.333	0.332	0.0	0.0	0.4	0.0	0.4
0686 4.0'	21,560.5	0.680	0.141	0.301	0.122	0.102	0.128	0.0	0.0	0.4	0.0	0.4
0687 4.0'	113.8	2.038	0.747	0.732	0.490	0.157	0.276	0.0	0.0	0.7	0.0	0.7
0688 3.5'	117.1	1.856	0.364	0.421	0.313	0.088	0.156	0.0	0.0	0.5	0.0	0.5
0689 4.0'	132,133.7	0.420	0.069	0.291	0.600	0.052	0.138	0.0	0.0	0.4	0.0	0.4



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0690 4.0'	118.2	3.329	0.362	1.091	0.382	0.220	0.295	0.0	0.0	0.5	0.0	0.5
0691 4.0'	543.6	0.483	0.000	0.115	0.000	0.027	0.019	3.1	0.0	0.4	0.5	4.1
0692 4.0'	4,051.9	1.737	1.048	0.752	0.977	0.133	0.436	0.0	0.0	0.5	0.0	0.5
0693 3.5'	8,957.4	3.404	0.249	1.172	0.223	0.329	0.350	0.0	0.0	0.4	0.0	0.4
0694 4.0'	54,364.3	16.019	0.000	1.083	0.000	32.826	29.667	7.4	12.2	3.1	0.0	22.6
0695 4.0'	1,954.6	3.763	0.399	0.746	0.374	0.224	0.242	0.0	0.0	0.2	0.0	0.2
0696 4.0'	15.8	0.296	0.000	0.120	0.000	0.069	0.048	0.0	0.0	0.3	0.0	0.3
0698 3.7'	11.7	0.063	0.000	0.067	0.000	0.039	0.023	0.0	0.0	0.6	0.0	0.6
0700 4.0'	5.5	0.153	0.000	0.047	0.000	0.024	0.015	0.6	0.0	1.0	0.0	1.6
0701 4.0'	8.9	0.060	0.000	0.101	0.000	0.101	0.085	0.0	0.0	0.9	0.0	0.9
0703 4.0'	33.8	0.225	0.000	0.103	0.000	0.081	0.042	2.9	0.0	0.5	0.0	3.4
0706 4.0'	25.9	0.225	0.000	0.123	0.000	0.095	0.058	4.7	0.0	0.6	0.8	6.0
0707 4.0'	9.4	0.310	0.000	0.136	0.000	0.077	0.044	0.0	0.0	0.0	0.0	0.0
0708 4.0'	11.6	0.253	0.069	0.092	0.052	0.074	0.033	0.0	0.0	0.3	0.0	0.3
0709 4.0'	40.6	0.485	0.000	0.260	0.000	0.085	0.054	0.4	0.0	0.4	0.0	0.8
0710 3.5'	144.1	1.294	0.000	0.772	0.000	0.192	0.252	0.2	0.0	0.9	0.7	1.8
0711 4.0'	122.2	0.842	0.072	0.267	0.046	0.068	0.121	0.0	0.0	0.5	0.0	0.6
0712 3.7'	246.5	4.194	0.000	1.715	0.000	0.263	0.478	0.2	0.0	1.0	2.5	3.7
0713 3.5'	39.7	0.147	0.000	0.154	0.000	0.068	0.044	0.0	0.0	1.1	0.0	1.1
0714 4.0'	260.7	1.685	0.151	0.532	0.111	0.136	0.179	0.0	0.0	0.9	0.0	1.0
0715 3.7'	50.2	1.002	0.000	0.487	0.000	0.068	0.098	1.0	0.0	1.6	0.0	2.7
0716 4.0'	433.9	20.755	0.000	5.023	0.000	0.305	0.315	1.5	0.0	0.9	2.5	4.9
0717 4.0'	115.5	0.513	0.000	0.439	0.000	0.050	0.048	0.0	0.0	0.9	0.0	0.9
0718 4.0'	53.0	1.032	0.000	0.483	0.000	0.115	0.128	0.1	0.0	1.4	0.0	1.6
0719 4.0'	51,258.4	2.801	0.919	0.994	0.454	0.392	0.346	0.0	0.0	0.5	0.0	0.5
0720 3.7'	455.1	17.198	0.183	6.273	0.166	1.248	1.591	0.0	0.2	0.6	0.0	0.8
0722 3.7'	9.0	0.046	0.016	0.007	0.013	0.055	0.026	0.0	0.0	0.6	0.0	0.6
0723 3.0'	40.1	0.262	0.023	0.126	0.037	0.050	0.053	0.0	0.0	0.6	0.0	0.6
0724 4.0'	568.8	3.277	0.000	1.124	0.000	0.195	0.218	0.6	0.6	1.0	0.0	2.2
0725 3.5'	31.2	0.140	0.024	0.074	0.087	0.040	0.054	0.0	0.0	0.7	0.0	0.7
0726 4.0'	1,500.0	2.556	0.000	0.882	0.000	0.190	0.222	0.5	0.0	0.7	0.0	1.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0728 4.0'	34.2	0.821	0.000	0.402	0.000	0.113	0.121	0.2	0.0	0.3	0.0	0.5
0729 2.5'	869.3	8.106	0.615	2.698	0.521	0.655	0.725	0.0	0.0	0.2	0.0	0.2
0730 4.0'	247.7	7.550	0.000	3.569	0.000	0.377	0.403	0.0	0.0	0.6	0.0	0.6
0732 4.0'	39.9	0.664	0.000	0.276	0.000	0.104	0.085	0.0	0.0	0.0	0.0	0.0
0733 4.0'	46.2	0.974	0.000	0.339	0.000	0.089	0.089	0.5	0.0	0.2	0.0	0.7
0734 4.0'	22.1	0.629	0.000	0.244	0.000	0.094	0.023	0.7	0.0	0.0	0.0	0.7
0735 4.0'	32.5	0.556	0.000	0.247	0.000	0.082	0.070	0.0	0.0	0.3	0.0	0.3
0736 4.0'	35.5	0.984	0.051	0.367	0.061	0.093	0.108	0.1	0.0	0.2	0.0	0.2
0737 4.0'	10.5	0.392	0.174	0.191	0.186	0.115	0.057	0.0	0.0	0.2	0.0	0.2
0739 4.0'	15.1	0.381	0.000	0.165	0.000	0.056	0.030	0.0	0.0	0.3	0.0	0.3
0740 4.0'	55.1	1.656	0.176	0.684	0.189	0.177	0.217	0.0	0.0	0.3	0.0	0.3
0741 4.0'	92.1	3.668	0.292	1.059	0.231	0.269	0.248	0.0	0.0	0.2	0.0	0.2
0742 2.5'	1,727.1	4.424	0.000	142.247	0.000	20.598	19.088	0.0	0.0	0.3	0.0	0.3
0743 3.0'	1,016.1	22.276	0.786	3.388	0.704	0.571	0.747	0.0	0.1	0.5	0.0	0.6
0744 2.5'	12,311.5	0.752	0.151	0.319	0.104	0.141	0.087	0.0	0.0	0.0	0.0	0.0
0745 3.7'	1.9	0.071	0.006	0.021	0.007	0.030	0.007	0.0	0.0	0.2	0.0	0.2
0746 4.0'	179.2	3.233	0.348	0.757	0.346	0.237	0.165	0.0	0.0	0.3	0.0	0.3
0747 3.0'	90.5	2.256	0.000	1.005	0.000	0.179	0.231	0.0	0.0	0.5	0.0	0.5
0748 3.0'	728.9	0.599	0.341	0.307	0.342	0.059	0.104	0.0	0.0	0.3	0.0	0.3
0749 3.0'	73.8	1.497	0.000	0.911	0.000	0.164	0.398	0.0	0.0	0.8	0.0	0.8
0750 4.0'	45.2	0.196	0.039	0.098	0.044	0.050	0.090	0.0	0.0	0.7	0.0	0.7
0751 4.0'	16.3	0.231	0.000	0.119	0.000	0.054	0.038	3.4	0.0	0.7	0.0	4.1
0752 4.0'	61,359.7	1.567	0.109	0.309	0.147	0.170	0.139	0.0	0.0	0.4	1.0	1.4
0754 3.0'	4,238.6	1.587	0.000	0.778	0.000	0.225	0.304	0.0	0.0	0.4	0.0	0.4
0755 4.0'	8,594.4	0.789	0.000	0.377	0.000	0.090	0.183	0.0	0.0	0.5	0.0	0.5
0756 4.0'	205.9	2.900	0.000	1.455	0.000	0.384	0.579	0.9	0.0	0.6	0.0	1.5
0757 3.5'	1,199.4	1.052	0.000	0.497	0.000	0.143	0.168	9.6	0.0	0.6	0.0	10.2
0758 3.0'	26.4	0.247	0.000	0.107	0.000	0.046	0.034	0.0	0.0	0.4	0.0	0.4
0760 2.5'	191.3	3.090	0.000	1.502	0.000	0.337	0.353	0.0	0.0	0.2	0.0	0.2
0761 4.0'	2.4	0.067	0.013	0.024	0.015	0.051	0.017	0.0	0.0	0.5	0.0	0.5
0762 3.0'	6.7	0.184	0.000	0.086	0.000	0.045	0.035	0.0	0.0	0.6	0.0	0.6





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0763 4.0'	148.2	2.268	2.003	0.780	1.599	0.234	0.146	0.0	0.0	0.4	0.0	0.4
0764 4.0'	99.0	2.216	0.000	0.839	0.000	0.252	0.304	0.0	0.0	0.3	0.0	0.3
0765 3.5'	266.2	0.439	0.000	0.275	0.000	0.078	0.181	0.9	2.8	4.5	2.4	10.5
0766 4.0'	8.7	0.365	0.000	0.084	0.000	0.048	0.048	0.2	0.0	0.5	0.0	0.6
0767 4.0'	307.6	4.891	0.000	5.961	0.000	0.814	2.860	3.6	0.0	0.9	0.0	4.5
0768 4.0'	1,003.0	1.098	0.357	0.476	0.361	0.056	0.234	0.0	0.0	0.5	0.0	0.5
0769 3.7'	348.9	0.400	0.000	0.184	0.000	0.070	0.062	0.0	0.0	0.9	0.0	0.9
0770 4.0'	28.0	0.403	0.135	0.169	0.133	0.027	0.073	0.0	0.0	0.4	0.0	0.4
0771 4.0'	148.5	2.976	0.964	0.795	0.761	0.075	0.303	0.1	0.0	0.5	0.0	0.6
0772 4.0'	3,289.6	0.069	0.031	0.196	0.062	0.126	0.311	0.0	0.6	0.5	0.0	1.2
0773 3.0'	55.2	0.472	0.000	0.165	0.000	0.024	0.016	0.0	0.0	0.6	0.0	0.6
0774 4.0'	145.0	3.178	0.780	1.264	0.667	0.323	0.491	0.1	0.1	0.4	0.0	0.6
0775 3.0'	3.4	0.023	0.007	0.253	0.060	0.128	0.111	0.0	0.3	0.3	0.0	0.6
0776 3.0'	2.7	0.024	0.005	0.306	0.035	0.177	0.332	0.0	0.0	0.0	0.0	0.0
0777 3.0'	42.1	0.346	0.000	0.116	0.000	0.059	0.041	0.0	0.0	0.2	0.0	0.2
0778 4.0'	70.8	2.590	0.044	1.314	0.067	0.310	0.431	0.1	0.0	0.4	0.0	0.6
0779 3.7'	73,176.0	6.368	27.847	2.073	0.748	0.338	0.607	3.9	1.0	0.0	0.0	4.9
0780 4.0'	92.5	0.494	0.018	0.139	0.053	0.049	0.051	0.0	0.0	0.0	0.0	0.0
0781 4.0'	45.4	0.078	0.000	0.079	0.000	0.044	0.033	0.0	0.0	0.9	0.0	0.9
0782 4.0'	6,527.0	0.136	0.084	0.108	0.076	0.076	0.139	0.0	0.0	0.0	0.0	0.0
0783 3.7'	113.3	3.050	0.887	1.153	0.788	0.235	0.334	0.0	0.0	0.4	0.0	0.4
0784 4.0'	79,435.4	30.940	0.000	6.638	0.000	0.443	0.496	2.5	2.0	0.0	0.0	4.6
0785 3.0'	30.5	1.724	0.031	0.869	0.026	0.255	0.213	0.0	0.0	0.2	0.0	0.2
0786 4.0'	36,880.2	0.255	0.000	0.178	0.000	0.151	0.262	0.0	0.0	0.0	0.0	0.0
0787 4.0'	30,628.7	5.530	0.000	2.130	0.000	0.676	1.489	0.0	1.7	0.2	0.0	1.9
0788 4.0'	33,778.9	4.604	1.867	1.355	1.148	0.261	0.397	0.0	0.0	0.3	0.0	0.3
0789 4.0'	168.9	0.893	0.007	0.062	0.019	0.027	0.034	0.0	0.0	0.6	0.0	0.6
0790 4.0'	926.6	0.029	0.048	0.020	0.016	0.017	0.007	0.0	0.0	0.5	0.0	0.5
0791 2.5'	226.1	0.762	0.000	0.340	0.000	0.077	0.086	0.0	0.0	0.6	0.0	0.6
0792 4.0'	116,033.2	7.274	1.068	1.497	0.205	0.382	0.366	0.0	0.0	0.0	0.0	0.0
0793 3.7'	72.3	0.159	0.000	0.073	0.000	0.042	0.017	0.4	0.0	0.5	0.0	0.9



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0794 4.0'	999.9	0.099	0.072	0.184	0.101	0.146	0.372	0.0	0.0	0.7	0.0	0.7
0795 3.0'	26,359.7	3.206	0.226	1.094	0.199	0.260	0.387	0.0	3.1	41.7	24.5	69.4
0796 4.0'	113,568.2	10.099	1.458	2.473	0.522	0.941	0.770	0.0	3.3	1.5	0.0	4.8
0797 3.7'	47.7	0.030	0.000	0.070	0.000	0.059	0.033	0.3	0.0	0.4	0.0	0.7
0798 3.0'	128,329.7	15.437	0.615	1.004	0.669	15.990	150.180	707.9	565.0	28.1	0.0	1,301.0
0799 4.0'	63.0	2.058	0.192	0.752	0.184	0.198	0.202	0.2	0.3	0.4	0.8	1.7
0800 4.0'	1,049.4	0.591	0.371	0.255	0.352	0.080	0.072	10.9	6.6	0.7	0.0	18.2
0801 3.7'	1,583.5	1.314	0.238	0.495	0.327	0.132	0.398	36.6	16.4	1.0	0.0	54.0
0802 4.0'	3,073.2	0.819	0.000	0.122	0.000	0.104	1.275	252.0	249.9	42.9	0.0	544.8
0803 4.0'	1,161.8	0.624	0.202	0.179	0.209	0.196	3.034	137.7	100.1	12.5	0.1	250.4
0804 4.0'	268,292.4	32.487	0.383	1.827	0.303	51.605	494.560	855.4	974.5	278.8	26.5	2,135.2
0805 4.0'	156,066.6	50.364	0.000	0.089	0.252	1.011	26.144	11,731.4	7,023.2	1,220.4	85.3	20,060.2
0806 4.0'	114,812.2	13.099	0.245	0.346	0.248	14.173	306.100	6,713.5	3,475.9	969.4	53.3	11,212.1
0807 4.0'	9.3	0.218	0.106	0.079	0.099	0.024	0.047	6.3	7.5	3.1	0.0	16.9
0808 3.0'	2,914.9	10.704	0.112	1.544	0.136	0.370	0.645	16.1	16.4	4.0	0.0	36.5
0809 2.0'	6,531.9	1.265	0.000	0.281	0.000	0.103	0.214	0.0	1.1	1.1	0.0	2.2
0810 4.0'	56,799.0	8.657	1.192	0.960	1.453	3.192	6.860	156.4	142.5	9.5	2.0	310.4
0811 3.0'	434,701.2	102.174	0.000	0.505	0.000	44.999	419.174	1,323.3	1,780.6	104.1	0.0	3,208.0
0813 3.0'	225.9	0.911	0.178	0.301	0.151	0.103	0.119	1.3	1.2	0.5	0.0	3.0
0814 4.0'	131,476.5	107.660	0.193	1.400	0.931	31.833	286.360	5,073.0	2,148.4	244.0	17.7	7,483.1
0815 4.0'	471,222.3	94.809	0.000	0.263	0.000	2.697	49.959	7,446.0	3,582.1	196.4	25.5	11,249.9
0816 3.5'	23.8	0.136	0.000	0.034	0.000	0.017	0.008	7.4	6.2	6.1	0.0	19.7
0817 4.0'	18,656.7	5.073	0.309	0.419	0.160	0.426	6.516	986.3	351.4	14.5	0.3	1,352.5
0818 3.2'	313,912.8	91.105	0.186	0.378	0.078	9.444	137.820	2,277.7	1,140.5	101.6	11.8	3,531.6
0819 4.0'	1,743.3	0.367	0.000	0.068	0.000	0.059	0.203	23.9	35.2	4.0	0.0	63.1
0820 4.0'	17,911.5	2.219	0.096	0.354	0.094	0.099	0.184	5.1	32.3	0.2	0.0	37.6
0821 4.0'	3,267.1	3.215	0.231	1.531	0.189	0.352	4.802	97.4	21.1	3.2	0.0	121.6
0822 4.0'	110,289.6	31.555	0.116	0.149	0.061	3.577	23.561	1,291.2	982.3	125.8	6.9	2,406.2
0823 4.0'	54.7	0.067	0.020	0.029	0.028	0.030	0.264	2.8	2.2	0.8	0.0	5.8
0824 4.0'	166,779.7	26.259	0.000	0.301	0.000	1.078	127.798	5,933.4	1,918.6	221.2	0.0	8,073.2
0825 3.7'	1,839.2	0.820	0.235	0.246	0.201	0.112	2.351	27.5	14.5	1.9	0.3	44.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0826 3.7'	81,760.8	47.864	0.979	23.612	7.196	66.757	422.290	11,939.0	3,445.7	387.9	4.1	15,776.7
0827 4.0'	31.6	0.332	0.112	0.116	0.145	0.035	0.107	1.2	1.2	0.6	0.0	3.0
0828 3.0'	14.5	0.159	0.019	0.043	0.030	0.048	0.053	2.0	0.8	0.2	0.0	3.0
0829 3.5'	5.0	0.136	0.037	0.043	0.035	0.034	0.027	0.9	0.7	0.3	0.0	1.9
0830 4.0'	58,794.0	17.294	0.430	8.015	0.562	13.895	160.870	2,815.3	1,123.7	127.3	2.2	4,068.6
0831 4.0'	4.3	0.133	0.075	0.043	0.073	0.031	0.040	3.5	2.8	1.0	0.0	7.3
0832 4.0'	5.1	0.182	0.042	0.063	0.042	0.032	0.077	2.3	1.3	0.3	0.0	3.9
0833 3.0'	10.4	0.300	0.064	0.061	0.032	0.037	0.016	0.4	0.5	0.5	0.0	1.4
0834 3.0'	117,975.2	34.225	1.826	17.242	1.594	70.177	469.590	1,634.3	541.9	55.0	0.0	2,231.1
0835 4.0'	8.7	0.266	0.154	0.108	0.164	0.043	0.041	0.5	0.8	0.3	0.0	1.5
0836 2.5'	156,992.7	64.085	30.115	0.157	0.023	1.692	1.421	617.5	392.2	17.1	0.0	1,026.8
0837 3.0'	187.7	5.964	0.392	1.781	0.332	0.399	0.457	0.0	0.0	0.3	0.0	0.3
0838 4.0'	241,059.4	69.543	0.000	4.962	0.011	15.018	2.425	645.1	785.5	44.8	1.4	1,476.7
0839 4.0'	237.9	0.440	0.232	0.137	0.169	0.054	0.163	0.6	0.2	0.4	0.0	1.3
0840 4.0'	236,868.0	81.296	0.000	9.319	0.000	61.529	17.840	1,110.5	1,283.2	170.8	2.9	2,567.4
0841 3.0'	138.4	4.491	1.131	1.489	0.871	0.265	0.514	0.1	0.2	0.6	0.0	0.9
0842 4.0'	7,829.2	2.049	0.000	0.459	0.018	2.598	1.271	15.3	23.0	2.5	0.0	40.8
0843 4.0'	32.4	0.158	0.000	0.047	0.000	0.041	0.021	0.0	0.0	0.3	0.0	0.3
0844 4.0'	34.0	0.183	0.000	0.140	0.000	0.188	0.048	2.6	12.2	15.6	18.9	49.3
0846 3.7'	103,873.8	83.162	27.655	7.917	0.006	5.227	0.502	808.9	652.7	109.4	4.7	1,575.8
0847 3.5'	14,897.5	0.783	0.411	0.262	0.321	0.079	0.077	0.0	0.7	0.3	0.0	1.0
0848 2.0'	140.1	1.832	0.000	0.721	0.000	0.275	0.952	22.5	10.6	1.8	0.0	34.9
0849 4.0'	22.7	2.535	0.497	0.513	0.222	0.126	0.137	0.1	0.0	0.4	0.0	0.5
0850 2.0'	166.7	0.098	0.000	0.033	0.000	0.059	0.015	0.0	0.1	0.4	0.0	0.5
0851 4.0'	367.7	0.837	0.288	0.431	0.179	0.145	0.128	0.0	0.0	0.4	0.0	0.4
0852 3.0'	77.6	2.461	0.377	0.756	0.301	0.204	0.239	0.0	0.0	0.2	0.0	0.2
0853 3.0'	724.6	7.699	0.000	3.917	0.000	0.700	1.323	0.0	0.1	0.4	0.0	0.5
0854 3.0'	640.4	0.223	0.024	0.055	0.026	0.079	0.092	0.0	0.2	0.6	0.0	0.9
0855 4.0'	170.1	1.100	0.146	0.360	0.319	0.088	0.125	0.0	3.9	0.5	0.0	4.4
0856 3.0'	19.1	0.135	0.000	0.134	0.000	0.146	0.260	0.0	0.0	0.4	0.0	0.4
0857 3.0'	106.8	1.410	0.000	0.456	0.000	0.134	0.198	0.0	0.0	0.5	0.0	0.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0858 4.0'	26,062.4	8.828	0.058	0.102	0.065	0.051	0.080	1.3	7.4	2.1	0.0	10.8
0859 4.0'	303.4	0.115	0.131	0.196	0.276	0.045	0.091	0.0	0.0	0.2	0.0	0.2
0860 4.0'	18.0	0.348	0.135	0.175	0.099	0.080	0.084	0.0	0.0	0.3	0.0	0.3
0861 3.0'	54.8	0.646	0.000	0.263	0.000	0.115	0.079	0.0	0.0	0.3	0.0	0.3
0861 3.7'	145.9	0.035	0.000	0.034	0.000	0.055	0.038	0.0	0.0	0.3	0.0	0.3
0862 4.0'	1,951.0	0.391	0.009	0.022	0.031	0.011	0.015	0.0	0.0	0.6	0.0	0.6
0863 3.7'	39.2	0.927	0.000	0.450	0.000	0.126	0.118	0.0	0.0	0.0	0.0	0.0
0865 4.0'	1,025.3	1.991	0.221	0.473	0.204	0.141	0.095	0.1	4.8	4.5	0.0	9.4
0866 4.0'	186,552.3	4.572	0.000	0.261	0.000	0.022	0.173	5.5	4.2	0.0	0.0	9.7
0867 4.0'	13.0	0.672	0.363	0.268	0.334	0.051	0.091	0.0	0.0	0.3	0.0	0.4
0868 4.0'	10.7	0.343	0.053	0.150	0.072	0.078	0.058	0.1	0.0	0.3	0.0	0.4
0869 4.0'	431.1	0.263	0.000	0.194	0.000	0.109	0.118	0.0	0.0	0.5	0.0	0.5
0870 4.0'	256.7	0.309	0.011	0.066	0.021	0.040	0.026	0.0	0.0	0.2	0.0	0.2
0871 3.0'	6.9	0.092	0.000	0.024	0.000	0.035	0.011	0.0	0.0	0.8	0.0	0.8
0872 4.0'	26.7	0.051	0.000	0.030	0.000	0.036	0.019	0.0	0.0	0.8	0.0	0.8
0873 4.0'	336.9	1.760	0.032	0.044	0.069	0.036	0.018	0.0	0.1	0.2	0.0	0.3
0874 4.0'	18.9	0.368	0.000	0.132	0.000	0.057	0.033	0.0	0.0	0.4	0.0	0.4
0875 4.0'	7.0	0.129	0.025	0.041	0.023	0.085	0.015	0.0	0.0	0.4	0.0	0.4
0876 4.0'	11,619.1	0.253	0.000	0.031	0.000	0.055	0.077	0.0	0.4	0.0	0.0	0.4
0877 4.0'	14.2	0.041	0.000	0.013	0.000	0.039	0.015	0.0	0.0	1.0	0.0	1.0
0878 4.0'	1.6	0.038	0.006	0.015	0.011	0.040	0.007	0.0	0.0	0.3	0.0	0.3
0879 4.0'	21.5	0.344	0.160	0.155	0.198	0.024	0.060	0.0	0.0	0.3	0.0	0.3
0880 4.0'	3.0	0.084	0.028	0.025	0.028	0.024	0.010	0.0	0.0	2.3	0.0	2.4
0881 4.0'	124.4	1.272	0.000	0.691	0.000	0.211	0.295	0.0	0.0	3.6	0.7	4.4
0882 4.0'	209.8	1.264	0.030	0.038	0.047	0.059	0.017	0.0	0.0	0.2	0.0	0.2
0884 4.0'	198.4	0.070	0.000	0.034	0.000	0.024	0.012	0.0	0.0	0.3	0.0	0.3
0885 4.0'	8.3	0.115	0.026	0.042	0.025	0.039	0.015	0.0	0.0	0.2	0.0	0.2
0886 4.0'	40.9	0.639	0.061	0.096	0.076	0.048	0.025	0.0	0.0	0.7	0.0	0.7
0887 4.0'	34,067.2	0.532	0.000	0.009	0.000	0.010	0.011	0.0	0.0	0.0	0.0	0.0
0888 4.0'	742.3	0.325	0.049	0.109	0.043	0.106	0.033	0.0	0.0	0.8	0.0	0.8
0889 4.0'	30.0	0.261	0.083	0.087	0.104	0.034	0.030	0.0	0.0	0.2	0.0	0.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0890 4.0'	11.9	0.198	0.000	0.020	0.000	0.027	0.011	0.0	0.0	0.2	0.0	0.2
0891 4.0'	63.2	0.183	0.033	0.063	0.034	0.048	0.023	0.0	0.0	0.0	0.0	0.0
0892 4.0'	5.5	0.101	0.000	0.040	0.000	0.052	0.013	0.0	0.0	0.7	0.0	0.7
0893 4.0'	17,848.9	6.004	0.108	0.105	0.111	0.150	1.783	237.1	140.8	51.6	11.4	441.0
0894 4.0'	1.3	0.048	0.011	0.018	0.015	0.036	0.010	0.0	0.0	0.2	0.0	0.2
0895 4.0'	21.6	0.041	0.000	0.014	0.000	0.036	0.008	0.0	0.0	0.5	0.0	0.5
0896 4.0'	3.7	0.132	0.030	0.045	0.032	0.022	0.016	0.0	0.0	0.4	0.0	0.4
0897 4.0'	2.5	0.141	0.050	0.046	0.055	0.055	0.022	0.0	0.0	0.1	0.0	0.1
0898 4.0'	1.5	0.054	0.015	0.020	0.027	0.024	0.015	0.0	0.0	0.2	0.0	0.2
0899 4.0'	2.0	0.070	0.016	0.027	0.030	0.038	0.006	0.0	0.0	0.2	0.0	0.2
0900 4.0'	11.1	0.115	0.000	0.047	0.000	0.036	0.020	0.5	0.0	0.1	0.0	0.7
0901 4.0'	2.3	0.048	0.000	0.021	0.000	0.035	0.025	0.4	0.0	0.4	0.0	0.8
0902 4.0'	20.9	0.466	0.000	0.184	0.000	0.109	0.113	0.0	0.0	0.5	0.0	0.5
0903 4.0'	2.2	0.031	0.000	0.042	0.000	0.032	0.013	0.0	0.0	0.4	0.0	0.4
0904 4.0'	238.6	13.660	0.264	4.087	0.213	0.907	0.974	0.0	0.0	0.5	0.0	0.5
0905 4.0'	3.5	0.035	0.000	0.042	0.000	0.025	0.011	0.0	0.0	0.3	0.5	0.8
0906 4.0'	1.6	0.059	0.020	0.028	0.026	0.040	0.019	0.0	0.0	0.5	0.0	0.5
0907 4.0'	5.4	0.163	0.000	0.073	0.000	0.039	0.023	0.0	0.0	0.5	0.0	0.5
0908 4.0'	32.3	1.539	0.475	0.475	0.000	0.174	0.257	1.7	0.0	0.3	0.0	2.0
0909 4.0'	2.4	0.044	0.000	0.029	0.000	0.042	0.028	1.3	0.0	0.5	0.0	1.7
0910 4.0'	8.7	0.134	0.000	0.143	0.000	0.052	0.015	0.6	0.0	0.6	0.0	1.3
0911 4.0'	8.9	0.213	0.080	0.082	0.076	0.040	0.030	0.0	0.0	0.4	0.0	0.4
0912 4.0'	79.9	0.087	0.000	0.015	0.000	0.023	0.007	3.6	0.0	0.5	0.0	4.1
0913 4.0'	2.6	0.047	0.048	0.045	0.058	0.050	0.020	0.0	0.0	0.5	0.0	0.5
0914 2.5'	284,382.4	45.029	0.000	0.754	0.061	0.949	2.493	19.5	12.8	2.4	0.0	34.6
0915 3.0'	78,350.7	39.946	0.193	3.646	0.129	0.478	3.577	82.7	35.8	26.4	0.7	145.5
0916 2.0'	3,882.5	15.193	0.126	1.924	0.158	0.445	0.809	4.3	22.7	20.8	2.0	49.9
0917 2.0'	17,847.2	7.731	0.116	0.275	0.062	0.094	0.874	0.0	8.3	7.6	0.0	15.9
0918 2.5'	80,868.9	29.325	0.795	1.135	0.666	0.316	5.275	63.3	125.4	98.4	0.0	287.1
0919 3.0'	1,179.2	0.966	0.122	0.338	0.106	0.086	0.275	0.1	3.3	5.1	1.0	9.5
0920 3.5'	80,424.6	0.819	0.043	0.187	0.528	0.032	0.248	0.0	19.3	3.1	1.9	24.3



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0921 3.0'	2,409.5	0.592	0.061	0.147	0.099	0.040	0.325	0.7	1.0	1.3	0.0	3.0
0922 1.0'	3,901.8	6.255	0.457	0.507	0.580	0.309	6.536	1,119.1	3,125.1	1,703.0	865.5	6,812.8
0923 3.0'	4,833.4	3.815	1.434	2.177	1.143	0.437	1.210	13.2	41.3	55.5	1.1	111.0
0924 3.0'	2,122.0	0.154	0.000	0.035	0.000	0.059	0.087	0.0	0.0	1.6	0.0	1.6
0925 1.0'	3,441.3	3.716	0.000	0.611	0.000	0.224	0.263	0.5	4.5	3.9	0.0	9.0
0926 3.5'	4,995.0	0.423	0.000	0.236	0.000	0.059	0.142	8.0	36.7	61.8	35.7	142.2
0927 3.5'	324,559.5	64.946	0.000	5.476	0.000	2.143	20.881	205.1	199.7	37.4	0.0	442.2
0928 2.0'	34,947.5	35.272	0.000	1.421	0.000	0.211	4.919	311.4	1,154.5	1,756.7	505.1	3,727.7
0929 3.0'	1,508.7	0.063	0.000	0.042	0.000	0.044	0.034	0.0	0.0	0.5	0.0	0.5
0930 3.0'	33,073.8	1.822	0.474	0.461	0.281	0.109	0.165	0.0	4.0	10.7	1.2	15.9
0931 3.0'	27,165.5	0.994	0.033	0.290	0.067	0.063	0.275	0.0	0.1	0.2	0.0	0.3
0932 2.0'	1,145.5	0.310	0.000	0.192	0.024	0.082	0.262	0.9	1.8	7.4	2.9	12.9
0933 2.0'	534,979.5	240.659	0.000	0.576	0.000	0.392	19.318	151.0	349.5	455.2	0.0	955.7
0934 2.0'	15,398.8	3.257	0.383	0.272	0.406	0.076	1.556	8.8	20.1	15.4	0.0	44.3
0937 3.7'	523.4	0.083	0.026	0.041	0.023	0.041	0.020	0.0	0.0	0.8	0.0	0.8
0939 3.0'	409,296.3	357.664	0.565	5.336	0.385	1.480	31.453	155.7	219.9	118.7	11.1	505.4
0940 2.5'	112,802.5	18.110	0.000	0.578	0.000	0.302	0.639	26.5	79.4	36.0	0.0	141.9
0941 3.0'	1,609.4	0.971	0.000	0.391	0.000	0.163	0.334	4.5	18.0	18.0	1.8	42.4
0942 4.0'	11,887.5	1.614	0.041	0.273	0.035	0.078	0.288	1.0	0.6	0.0	0.0	1.7
0943 3.0'	188,759.9	25.042	0.218	4.640	0.234	7.868	46.355	80.1	68.7	0.0	0.0	148.8
0944 3.0'	123,203.7	49.419	0.000	21.755	0.000	23.005	121.232	178.9	30.4	42.3	0.0	251.5
0945 2.5'	51,660.4	3.535	0.362	0.436	0.371	0.119	0.609	40.8	95.5	165.7	325.4	627.4
0947 4.0'	63,857.8	7.641	0.073	0.538	0.048	0.191	1.206	7.4	4.0	0.0	0.0	11.4
0948 3.0'	2,346.8	0.744	0.000	0.446	0.000	0.892	1.592	18.7	6.6	2.4	0.0	27.7
0949 4.0'	10,077.1	2.614	0.337	0.948	0.287	0.484	3.020	22.0	30.3	22.5	9.9	84.7
0950 2.5'	1,210.2	0.216	0.000	0.076	0.000	0.134	0.905	9.7	9.4	8.5	2.8	30.3
0951 2.0'	495,445.3	68.816	0.811	5.864	1.073	5.350	76.358	2.5	1.9	3.4	1.2	9.0
0953 4.0'	9,667.7	1.216	0.000	0.994	0.000	2.614	4.520	84.6	25.7	2.4	0.0	112.7
0954 4.0'	9,322.1	7.964	1.082	2.178	0.670	0.849	3.707	6.5	3.8	1.7	0.0	12.0
0957 4.0'	14,343.4	1.756	0.126	0.437	0.099	0.491	3.532	10.7	10.0	1.8	0.4	22.9
0960 3.0'	9,044.9	3.584	0.000	0.973	0.000	0.212	0.306	0.0	3.2	6.0	0.0	9.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
0961 3.7'	930.1	1.197	0.095	0.620	0.082	0.615	0.628	3.6	3.3	2.2	0.0	9.0
0963 2.5'	127,927.7	72.779	0.000	7.203	0.780	2.124	10.520	41.6	110.4	44.8	4.1	200.8
0965 4.0'	5,932.8	3.577	0.121	0.696	0.086	0.647	0.265	89.5	90.6	57.7	0.0	237.8
0967 3.5'	26,734.2	9.154	0.000	2.204	0.000	1.019	1.856	14.6	8.0	0.5	0.0	23.0
0969 3.0'	89.9	1.410	0.123	0.686	0.085	0.532	2.829	11.6	11.5	2.9	0.0	26.0
0970 3.5'	604.2	3.030	0.321	0.052	0.012	0.213	1.700	640.7	836.3	445.3	125.1	2,047.5
0971 3.0'	255.8	1.243	0.000	0.611	0.000	0.349	0.657	59.7	77.6	54.2	25.6	217.0
0973 4.0'	7,173.7	0.902	0.000	0.445	0.000	3.218	11.304	280.7	233.0	19.6	0.0	533.4
0974 3.0'	21,321.6	8.563	0.000	2.661	0.000	9.616	38.403	405.6	464.5	434.2	6.9	1,311.2
0976 3.7'	57,919.7	28.584	0.487	6.337	0.471	10.618	3.110	221.5	173.2	73.9	5.8	474.5
0977 3.1'	59.0	0.158	0.014	0.041	0.020	0.047	0.163	4.2	0.9	2.8	0.0	7.8
0978 3.7'	13.4	0.271	0.022	0.272	0.020	0.633	0.480	0.8	0.7	0.9	0.9	3.3
0979 4.0'	12,819.6	3.473	0.000	0.939	0.000	3.894	15.113	1,013.9	1,553.7	410.8	0.0	2,978.4
0980 4.0'	4,936.1	2.015	0.000	0.418	0.020	1.946	9.377	210.1	436.1	170.1	0.0	816.3
0981 3.5'	5,368.6	2.242	0.000	0.644	0.084	3.301	15.822	275.5	406.9	77.9	0.0	760.3
0983 3.0'	56,701.6	37.606	0.000	1.674	0.000	0.312	0.354	78.7	53.9	87.4	29.0	249.0
0983 4.0'	7,035.7	5.089	0.000	2.237	0.000	0.254	0.292	0.0	0.0	0.4	0.0	0.4
0984 3.0'	45,816.3	36.300	0.000	18.526	0.000	23.818	123.868	392.2	29.7	0.0	0.0	421.9
0985 4.0'	390,958.0	53.954	0.000	7.956	0.000	7.037	20.019	30.9	84.3	0.0	0.0	115.2
0986 4.0'	398,366.2	122.881	0.000	6.444	0.000	0.937	0.683	27.3	74.1	21.0	0.0	122.4
0988 3.0'	10,325.7	2.513	0.000	1.159	0.000	5.687	50.382	532.8	67.6	0.0	0.0	600.3
0989 3.7'	195,617.9	62.556	0.000	162.603	0.000	194.860	1,091.715	4,775.1	831.5	102.9	0.0	5,709.5
0990 2.5'	3,829.5	6.591	0.000	2.479	0.000	0.980	1.728	0.0	0.0	0.3	0.0	0.3
0991 4.0'	381,591.2	79.645	0.000	64.730	0.000	482.092	3,808.988	2,661.5	382.0	17.8	0.0	3,061.3
0992 4.0'	279,313.2	67.408	0.000	93.009	0.000	144.973	495.275	3,106.3	860.0	70.9	0.0	4,037.2
0993 4.0'	440,461.6	75.574	0.000	16.500	0.000	13.215	23.277	322.5	126.2	0.0	0.0	448.7
0994 4.0'	302,690.7	73.976	0.000	59.852	0.000	365.750	1,674.241	6,902.7	838.5	15.5	0.0	7,756.7
0995 3.0'	254,881.7	102.433	0.000	195.767	0.000	481.380	1,542.129	3,091.1	232.2	0.0	0.0	3,323.2
0997 4.0'	211.5	3.453	1.338	1.197	0.899	0.223	0.339	0.0	0.0	0.4	0.0	0.5
0998 3.5'	54,033.1	42.768	0.000	115.587	0.000	287.043	1,048.815	814.6	72.3	0.0	0.0	886.9
0999 3.0'	32,721.7	8.506	2.854	6.637	2.070	18.114	113.200	24.1	1.1	0.6	0.0	25.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1000 4.0'	241,780.2	20.765	0.000	24.953	0.000	104.801	269.165	76.4	32.7	0.0	0.0	109.1
1001 4.0'	227,825.1	17.287	0.000	9.195	0.000	14.353	22.592	47.8	10.0	0.0	0.0	57.9
1002 3.0'	15,288.8	2.266	0.000	2.902	0.000	16.051	79.417	81.5	2.7	0.0	0.0	84.2
1003 3.0'	219,850.5	171.037	0.000	565.515	0.000	955.553	2,086.801	100.0	31.6	0.0	0.0	131.6
1004 4.0'	81,564.8	178.206	2.574	212.050	7.926	452.110	2,121.100	471.6	79.0	0.0	0.0	550.6
1005 3.0'	640.5	9.394	0.000	2.761	0.000	0.470	0.652	0.0	0.0	0.2	0.0	0.2
1006 2.5'	25,077.8	16.275	0.000	1,968.220	0.000	380.915	32.799	55.8	2.6	0.0	0.0	58.4
1007 4.0'	357.9	4.870	0.952	1.901	0.649	0.715	2.262	0.8	0.0	0.5	0.0	1.2
1008 4.0'	1,596.8	9.715	1.491	2.281	1.002	0.727	0.821	0.0	0.0	0.5	0.0	0.5
1009 3.7'	12,274.0	1.729	0.000	0.604	0.000	0.156	0.238	0.0	1.6	0.7	0.0	2.3
1010 3.0'	206,850.0	55.592	0.000	2.754	0.000	0.650	6.512	123.5	69.3	12.3	0.0	205.1
1011 4.0'	106,508.8	19.137	1.868	2.353	0.794	1.265	2.133	12.4	9.9	19.3	1.9	43.5
1012 3.0'	291,657.6	25.337	0.000	2.380	0.000	0.908	0.937	5.8	9.1	3.1	0.0	18.0
1013 3.7'	166,810.3	39.391	0.000	12.148	0.000	7.760	24.602	6.9	4.6	2.8	0.0	14.3
1014 4.0'	323,413.3	402.317	0.000	1,621.052	0.000	3,794.057	16,262.834	9,721.8	908.8	14.0	0.0	10,644.5
1015 2.0'	118,215.9	113.853	0.000	4.012	0.000	5.790	22.260	2,238.9	179.3	0.0	0.0	2,418.2
1016 3.0'	469.0	12.054	3.841	3.622	2.619	0.676	0.926	0.0	0.0	0.3	0.0	0.3
1018 4.0'	174.8	3.022	0.000	1.127	0.000	0.194	0.255	0.0	0.0	0.3	0.0	0.3
1019 4.0'	678.8	1.229	0.512	0.630	0.455	0.359	1.058	0.3	0.0	0.3	0.0	0.6
1020 4.0'	102,853.5	222.167	22.814	683.450	63.684	1,193.200	9,121.500	5,782.5	893.6	18.9	0.0	6,695.1
1021 4.0'	726,035.0	148.409	0.000	624.746	0.000	1,409.971	5,730.895	6,105.8	617.2	11.8	0.0	6,734.8
1023 3.5'	417,369.5	30.833	0.000	18.715	0.000	54.342	205.300	68.7	40.3	0.0	0.0	109.0
1024 3.5'	17.7	0.020	0.009	0.064	0.125	0.090	0.055	0.0	0.4	1.6	11.8	13.8
1025 3.0'	212,113.3	42.437	0.159	1.006	0.087	0.499	1.965	36.5	21.5	2.4	0.0	60.4
1026 3.5'	69,728.4	29.114	0.182	0.438	0.166	0.205	1.641	46.3	115.7	179.1	30.7	371.8
1027 4.0'	72,171.8	44.590	0.000	0.527	0.000	0.333	1.643	44.6	115.8	132.6	73.7	366.8
1028 3.5'	145,962.3	12.392	0.250	0.535	0.271	0.363	1.067	10.5	21.6	17.7	15.1	64.9
1029 4.0'	19,013.2	1.698	0.000	0.619	0.000	0.396	0.642	0.0	0.3	3.8	4.5	8.7
1030 3.7'	339,434.6	78.232	0.000	26.682	0.000	15.347	40.266	46.2	25.1	8.5	0.0	79.8
1032 4.0'	477,543.8	1.318	0.000	10.682	0.000	124.394	3,959.668	4,082.8	360.4	8.1	0.0	4,451.3
1033 4.0'	71,331.5	40.103	3.277	36.622	3.975	47.463	178.660	154.1	7.6	0.9	0.0	162.6





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1034 3.0'	143.0	0.345	0.107	0.170	0.068	0.083	0.185	0.0	0.2	0.4	0.0	0.7
1035 3.0'	38.0	1.233	0.000	0.487	0.000	0.101	0.090	0.4	0.0	0.4	0.0	0.8
1036 4.0'	7.7	0.199	0.068	0.150	0.049	0.046	0.105	0.0	0.0	0.0	0.0	0.0
1037 3.0'	21.2	0.341	0.235	0.132	0.164	0.040	0.072	0.0	0.0	0.1	0.0	0.1
1038 3.0'	6,452.1	4.313	0.627	1.457	0.402	0.450	1.164	0.0	0.0	0.3	0.0	0.3
1039 4.0'	37,494.2	31.665	3.627	52.721	3.710	83.511	334.510	272.7	30.4	0.0	0.0	303.1
1040 4.0'	128,544.8	213.391	1.075	337.270	0.723	361.080	1,220.200	204.1	119.4	13.2	0.0	336.7
1041 4.0'	421,644.4	410.090	0.000	1,038.350	0.000	2,607.700	15,964.493	15,179.0	1,301.8	42.6	0.0	16,523.4
1042 2.5'	405.1	0.142	0.000	0.064	0.000	0.081	0.115	0.0	0.0	9.1	0.0	9.1
1043 2.5'	408,574.4	6.229	0.381	0.918	0.293	0.281	0.621	10.0	12.8	44.6	40.4	107.8
1044 3.5'	17,316.0	6.531	0.000	0.038	0.000	0.146	0.472	7.8	43.4	82.5	23.4	157.1
1046 3.7'	133,894.4	64.503	0.332	0.882	0.242	0.515	0.818	17.1	166.4	217.5	10.3	411.4
1047 3.7'	74,575.1	8.308	0.177	1.504	0.392	0.287	1.560	48.0	90.2	31.0	0.0	169.2
1048 3.5'	18,155.3	27.257	0.136	0.269	0.142	0.183	0.286	3.6	24.6	12.5	0.8	41.6
1049 3.0'	109,111.3	57.457	0.000	0.107	0.035	0.071	0.258	25.4	202.9	366.3	49.0	643.6
1050 3.5'	156,064.6	23.033	2.371	1.406	0.910	7.050	23.706	76.0	84.3	21.2	0.0	181.5
1051 4.0'	248,717.9	24.122	0.316	2.316	0.844	1.423	2.238	158.3	256.7	227.0	31.4	673.5
1052 2.0'	181,929.7	45.988	8.150	9.595	6.110	2.760	9.776	52.4	130.9	202.6	29.9	415.9
1053 3.0'	91,921.7	15.198	0.000	4.697	0.000	1.005	2.980	366.9	267.5	92.3	19.9	746.5
1054 4.0'	679.3	1.139	0.023	0.291	0.097	0.498	0.764	0.0	0.0	0.2	0.0	0.2
1055 3.0'	4,510.1	11.643	0.000	7.765	0.000	12.203	74.817	48.7	43.3	6.3	0.0	98.3
1056 4.0'	9,313.5	14.440	1.739	8.028	1.483	13.068	0.000	267.1	296.2	121.6	0.0	684.9
1057 3.0'	73,013.0	43.587	0.000	153.474	0.000	359.517	1,972.091	803.7	142.4	10.4	0.0	956.5
1058 3.5'	184,092.0	50.778	5.344	70.102	5.090	113.680	279.880	18.8	13.2	0.3	0.0	32.4
1059 3.0'	90,795.4	29.143	0.000	10.130	0.000	2.852	6.515	2.0	0.0	0.0	0.0	2.0
1060 4.0'	191,071.9	14.790	0.000	3.066	0.000	1.013	1.387	7.1	1.6	0.0	0.0	8.7
1061 3.7'	14,212.9	0.355	0.000	0.163	0.000	0.063	0.077	0.0	0.0	0.0	0.0	0.0
1062 2.0'	147.4	0.110	0.000	0.044	0.000	0.030	0.024	0.0	0.0	0.0	0.0	0.0
1063 3.0'	170,242.8	24.182	4.197	9.320	2.691	4.515	16.619	24.0	34.2	4.6	0.0	62.8
1064 2.0'	452,999.3	123.775	0.000	2,178.600	0.000	324.777	1,579.998	807.2	124.6	8.1	0.0	940.0
1065 4.0'	40.6	0.064	0.018	0.085	0.010	0.168	2.394	3.9	0.7	1.1	0.0	5.8



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1066 4.0'	67,453.5	18.915	0.102	5.090	0.551	4.066	28.956	62.8	129.8	87.7	7.9	288.2
1067 4.0'	201,901.0	127.104	0.325	33.896	2.035	22.575	187.230	83.8	1,221.2	5,400.0	2,203.7	8,908.7
1068 3.0'	280,985.3	107.167	0.000	572.842	0.000	2,661.282	15,112.716	11,869.2	1,623.4	171.9	0.0	13,664.4
1068 4.0'	261,885.0	31.686	3.639	3.162	1.287	0.755	5.551	13.5	5.5	24.6	50.8	94.3
1069 3.0'	102,862.5	319.647	41.296	318.720	67.212	1,169.300	7,921.000	2,691.6	390.5	215.3	26.6	3,324.1
1069 4.0'	24,761.3	10.793	0.000	7.799	0.000	23.794	326.164	6,875.9	1,580.6	337.8	94.3	8,888.5
1070 2.5'	78,988.8	39.672	4.736	30.166	8.087	57.593	392.860	336.2	200.0	38.2	11.6	585.9
1071 4.0'	318,996.6	543.479	0.000	9.584	0.000	14.787	78.059	560.1	128.3	139.1	22.5	850.0
1072 3.0'	3,131.7	2.121	0.385	0.135	0.099	0.228	1.273	35.2	357.6	660.0	429.4	1,482.2
1073 4.0'	33,776.3	23.545	0.082	7.829	0.035	0.346	2.675	44.2	103.5	20.2	0.8	168.8
1074 4.0'	40.8	0.351	0.171	0.146	0.183	0.112	0.346	0.1	0.2	0.5	0.0	0.9
1075 4.0'	733.8	1.060	0.202	0.666	0.124	3.283	14.786	5.5	5.3	1.5	0.0	12.4
1076 4.0'	13,897.8	3.221	0.000	1.852	0.285	0.556	2.867	0.0	0.7	0.0	0.0	0.7
1077 4.0'	16,327.6	4.373	0.659	1.250	1.220	1.837	2.047	27.6	62.3	25.3	17.3	132.5
1078 4.0'	10,858.1	625.040	0.075	2.511	0.074	27.250	9.084	101.5	106.2	15.1	0.0	222.9
1079 4.0'	59.0	0.393	0.097	0.266	0.094	0.148	0.133	0.0	0.0	0.4	0.0	0.4
1080 4.0'	272.1	1.074	0.015	0.045	0.042	0.079	0.784	153.7	869.4	1,221.8	431.7	2,676.6
1081 4.0'	6,094.7	7.884	0.220	1.870	0.421	4.389	88.161	222.9	254.9	109.2	9.4	596.3
1082 3.7'	3,797.3	1.619	0.051	0.391	0.119	0.302	0.816	1.1	0.2	0.0	0.0	1.3
1083 4.0'	292,839.5	732.813	0.000	47.135	0.072	218.220	3,957.100	15,646.7	15,301.7	6,707.8	431.7	38,087.9
1084 3.5'	405,270.1	12,287.000	0.000	3.650	2.746	17.495	262.870	2,544.0	5,091.2	1,996.8	69.1	9,701.1
1085 4.0'	12,831.9	101.482	1.975	4.520	2.367	10.567	169.210	392.1	736.4	1,032.5	314.5	2,475.5
1086 4.0'	25,554.3	27.596	5.980	22.270	1.896	26.423	452.360	297.5	64.9	20.6	2.3	385.2
1087 4.0'	4,875.1	136.031	0.775	0.374	3.228	1.720	3.002	80.3	546.3	454.7	59.6	1,140.9
1088 4.0'	6,982.6	37.547	0.102	0.194	0.133	0.074	1.471	108.9	327.0	239.8	9.2	685.0
1089 4.0'	11,442.6	45.522	0.015	0.342	0.048	1.577	5.840	22.6	47.9	4.0	0.0	74.5
1090 4.0'	127,847.1	100.381	0.128	1.799	3.204	3.406	13.871	4.5	25.4	76.5	34.7	141.1
1091 4.0'	945.0	2.077	0.054	0.485	0.043	1.152	8.079	1.8	2.0	0.2	0.3	4.3
1092 4.0'	97,477.9	4.610	0.000	0.013	0.001	1.168	7.927	177.4	205.8	2.0	0.0	385.2
1093 4.0'	101,040.2	11.408	0.089	0.283	0.051	2.356	19.331	442.5	441.7	11.5	0.0	895.7
1094 3.5'	379,989.8	314.966	0.116	64.363	0.741	654.930	3,557.261	9,596.0	3,609.2	175.6	5.1	13,386.0



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1095 4.0'	38,417.4	10.737	0.000	1.115	0.000	1.567	8.168	182.4	26.1	40.3	1.9	250.7
1096 4.0'	453,466.1	8.459	0.000	0.645	0.037	0.967	16.125	1,232.3	1,296.2	34.0	0.0	2,562.4
1097 4.0'	66,986.5	186.824	0.911	51.643	1.311	354.497	2,898.309	12,973.9	3,510.8	470.6	49.2	17,004.5
1098 4.0'	31,842.4	3.678	0.000	0.409	0.000	6.197	5.974	293.6	15.0	31.4	0.7	340.8
1099 4.0'	236,855.7	33.638	0.149	1.150	0.066	2.577	25.227	920.6	817.4	37.4	0.0	1,775.5
1100 4.0'	267,405.3	48.798	0.000	6.145	0.000	117.699	368.489	1,938.2	1,151.9	20.6	0.0	3,110.7
1101 4.0'	93,339.8	71.237	0.000	5.631	0.000	1.768	4.576	1,163.8	237.8	32.6	3.7	1,437.8
1102 4.0'	85,444.6	7.777	0.000	2,930.274	0.000	351.723	1,310.789	310.5	575.6	60.6	27.1	973.8
1103 4.0'	12,829.1	16.841	0.293	7.257	0.443	50.882	416.961	1,987.8	615.2	75.1	0.0	2,678.1
1104 4.0'	51.7	0.091	0.000	0.480	0.000	0.090	0.202	7.1	17.6	8.8	4.1	37.6
1105 4.0'	695.1	4.966	0.000	4.829	0.000	2.172	15.713	416.5	37.4	13.5	2.7	470.0
1106 4.0'	2,238.8	0.515	0.000	0.419	0.000	1.617	7.196	33.6	3.2	10.6	2.2	49.5
1107 4.0'	319.8	0.464	0.000	0.340	0.000	0.609	3.187	17.9	1.4	3.3	1.0	23.6
1108 4.0'	120.9	0.077	0.000	3.873	0.000	0.650	1.287	1.7	1.7	1.9	0.3	5.6
1109 4.0'	605.5	0.096	0.000	0.017	0.000	0.025	0.013	2.1	1.0	4.1	0.9	8.1
1110 4.0'	120.7	0.100	0.000	2.925	0.000	0.526	1.597	4.7	4.7	6.2	1.1	16.7
1111 4.0'	3,323.5	1.332	0.000	0.583	0.000	0.419	3.190	286.7	12.6	4.7	0.9	304.8
1112 3.75'	311,254.4	39.936	0.000	2.267	0.000	83.435	1,103.824	263.8	9.2	1.2	0.2	274.5
1113 4.0'	416.3	1.241	0.000	0.369	0.000	0.117	0.118	363.4	1,025.0	127.4	13.6	1,529.5
1114 4.0'	1,363.0	8.921	0.000	3.898	0.000	1.260	3.939	63.6	79.8	9.6	0.4	153.3
1115 3.5'	504.6	2.525	0.000	0.760	0.000	0.203	0.312	1.1	0.1	0.7	0.1	2.0
1116 3.5'	2,449.6	4.724	0.000	2.901	0.000	4.775	34.503	201.8	6.0	8.3	0.3	216.5
1117 4.0'	3,562.3	1.780	0.000	0.538	0.000	0.166	0.213	2.6	0.1	1.3	0.1	4.1
1118 4.0'	2,277.0	0.339	0.000	0.166	0.000	0.092	0.270	12.2	2.8	12.6	5.8	33.3
1119 4.0'	630,677.5	52.017	0.000	21.199	0.000	35.738	218.574	6,377.7	1,323.2	2,954.4	31.4	10,686.6
1120 2.5'	17,696.7	2.073	0.000	0.550	0.000	0.140	1.465	17.5	1.9	3.1	0.3	22.7
1121 4.0'	46,261.2	4.189	0.000	0.908	0.000	1.034	1.092	278.8	0.3	131.8	0.7	411.5
1122 4.0'	389.3	0.810	0.000	0.594	0.000	0.552	6.291	22.5	0.5	0.8	0.1	23.9
1123 3.0'	56,744.4	4.252	0.000	5.703	0.000	7.159	60.983	642.2	35.9	10.3	0.4	688.9
1124 4.0'	89,065.5	13.321	0.000	14.025	0.000	13.655	28.107	363.8	4.6	7.8	0.5	376.7
1125 4.0'	16,420.9	0.238	0.000	0.141	0.000	0.134	0.583	8.0	0.2	1.8	0.5	10.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1126 4.0'	412,553.1	32.405	0.000	2.706	0.000	7.960	138.022	5,240.0	957.1	298.5	24.8	6,520.3
1127 4.0'	43,692.1	5.749	0.000	58.450	0.000	85.886	1,008.293	44.7	109.4	26.1	3.1	183.2
1128 4.0'	126,189.8	31.769	0.000	10.656	0.000	2.161	14.891	1,928.0	619.6	289.0	0.0	2,836.6
1129 4.0'	289.3	0.317	0.000	0.198	0.000	0.117	1.476	8.0	0.2	0.9	0.1	9.1
1130 3.5'	2,416.8	1.719	0.000	0.577	0.000	0.153	0.261	8.0	3.8	7.2	0.9	20.0
1131 4.0'	479.6	2.008	0.000	0.417	0.000	0.157	0.663	8.9	0.8	1.2	0.1	11.1
1132 4.0'	19,192.5	2.149	0.000	1.977	0.000	14.836	137.387	1,748.1	132.7	41.1	5.8	1,927.7
1133 4.0'	388,711.7	41.044	0.000	20.303	0.000	100.866	848.394	6,521.9	239.8	20.0	2.1	6,783.8
1134 4.0'	143,444.9	53.481	0.000	4.666	0.000	90.943	1,235.589	0.6	0.1	157.7	23.3	181.6
1135 4.0'	90,072.3	17.652	0.000	6.594	0.000	61.414	308.216	1,220.7	73.0	16.5	0.8	1,311.0
1136 3.5'	225,112.7	23.228	0.000	2.725	0.000	21.397	477.710	9,049.7	864.9	134.2	14.7	10,063.5
1137 4.0'	545,772.9	46.574	0.000	0.000	0.000	1.973	35.330	4,859.4	1,588.5	213.6	16.8	6,678.3
1138 4.0'	475,011.1	16.929	0.000	3.301	0.000	8.768	69.098	9,923.5	1,822.8	414.3	18.5	12,179.1
1139 4.0'	127,157.5	7.416	0.000	3.560	0.000	14.198	81.365	23.0	6.7	19.5	1.9	51.1
1140 4.0'	485,804.1	63.393	0.000	102.347	0.000	117.466	2,182.476	185.1	69.0	42.3	13.0	309.5
1141 4.0'	535,823.5	39.651	0.000	0.138	0.000	0.163	4.114	10,001.0	1,831.3	349.4	68.0	12,249.6
1142 3.75'	73,569.3	11.226	0.000	8.559	0.000	12.322	213.459	3,688.1	339.7	148.9	3.6	4,180.4
1143 4.0'	80,427.1	3.726	0.000	0.615	0.000	0.177	0.592	69.2	35.5	10.4	1.8	116.8
1144 4.0'	304,448.6	63.520	0.000	11.490	0.000	21.574	476.887	7,617.8	861.7	245.4	6.8	8,731.7
1145 4.0'	9.6	0.254	0.000	0.134	0.000	0.035	0.033	0.6	0.1	1.7	0.2	2.6
1146 4.0'	8,876.2	0.770	0.000	1.734	0.000	0.973	13.859	138.2	19.0	39.0	2.0	198.2
1147 3.0'	22,093.4	3.887	0.000	0.667	0.000	1.609	1.403	232.4	171.6	208.3	4.8	617.1
1148 4.0'	162,616.4	38.244	0.000	10.900	0.000	16.544	259.558	2,497.5	320.8	554.8	30.1	3,403.1
1149 3.0'	43.6	0.972	0.000	0.482	0.000	0.111	0.197	75.2	115.4	96.1	20.4	307.1
1150 4.0'	112,395.6	67.836	0.000	83.823	0.000	50.967	474.506	2,759.3	719.5	851.7	100.7	4,431.3
1151 2.5'	48,140.8	15.069	0.000	12.463	0.000	6.543	15.372	60.8	55.2	18.4	4.1	138.4
1152 4.0'	140,147.6	19.406	0.000	74.942	0.000	26.174	721.213	4,895.6	526.6	639.8	0.0	6,062.0
1153 4.0'	630.5	7.448	0.000	2.659	0.000	0.780	0.686	0.0	0.2	1.4	0.0	1.6
1154 4.0'	40,757.7	13.977	0.000	35.432	0.000	9.017	556.565	1,570.8	190.9	158.1	19.1	1,938.9
1155 4.0'	508.8	5.262	0.169	2.731	0.317	0.716	5.885	2.7	2.8	2.0	0.0	7.6
1156 4.0'	285,305.7	34.813	0.000	142.523	0.000	81.559	1,465.884	1,045.6	457.0	89.6	0.0	1,592.2



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1157 4.0'	1,998.4	2.572	0.000	1.797	0.000	0.635	6.013	95.8	5.0	6.0	0.1	106.9
1158 3.0'	26,206.7	12.349	0.000	14.777	0.000	5.861	59.763	1,855.5	115.4	94.8	2.8	2,068.5
1159 4.0'	269,829.1	17.189	0.000	55.999	0.000	25.836	360.149	3,881.2	249.9	253.0	36.5	4,420.6
1160 4.0'	111,669.3	43.017	0.000	107.581	0.000	49.476	651.781	4,599.4	221.4	601.0	15.6	5,437.5
1161 3.75'	21,205.7	13.001	0.000	11.377	0.000	4.909	16.044	61.5	31.1	13.3	1.4	107.3
1162 4.0'	109,828.5	29.048	0.000	25.652	0.000	14.446	111.149	5.2	2.4	0.8	0.1	8.4
1163 4.0'	73,263.0	9.717	0.340	6.381	2.456	3.090	86.477	197.3	159.5	55.0	0.0	411.7
1164 4.0'	147,056.2	109.878	0.164	0.791	0.127	0.583	1.629	4.1	6.3	2.7	2.3	15.4
1165 4.0'	293,914.0	72.530	1.009	12.443	2.871	82.316	416.240	1,721.5	387.3	155.4	13.7	2,277.8
1166 4.0'	293,418.1	139.739	0.000	3.018	0.000	1.585	5.417	165.4	692.1	605.8	24.5	1,487.8
1167 4.0'	130,073.5	34.031	0.000	2.544	0.000	0.935	2.241	579.8	378.0	643.9	36.2	1,637.9
1168 4.0'	120,238.5	29.993	0.000	1.000	0.000	0.378	0.714	12.8	26.3	1.1	0.0	40.2
1169 4.0'	71,261.8	4.942	0.000	1.314	0.000	0.854	2.362	54.5	11.0	1.7	0.3	67.6
1170 4.0'	104,734.1	5.627	0.000	4.126	0.000	6.393	33.307	99.4	7.9	7.2	1.4	116.0
1171 4.0'	188,217.7	29.195	0.000	49.369	0.000	27.160	306.066	673.9	1,191.3	81.3	2.4	1,948.9
1172 4.0'	2,076.5	11.056	0.000	5.039	0.000	1.118	1.929	9.3	1.7	2.7	0.1	13.8
1173 3.5'	206,444.2	19.477	0.000	6.903	0.000	4.545	19.158	455.8	264.8	123.6	2.5	846.7
1174 4.0'	51,904.7	1.537	0.264	0.597	0.233	0.314	0.435	20.1	103.1	127.6	0.0	250.8
1175 4.0'	352,835.7	17.118	1.558	23.005	1.845	27.623	185.760	916.4	571.9	63.2	0.0	1,551.5
1176 4.0'	64,172.6	1.393	0.418	0.574	0.922	0.415	0.465	61.9	112.9	49.6	40.1	264.5
1177 4.0'	218,482.6	4.022	0.000	29.676	0.000	21.231	42.944	61.7	9.4	16.5	0.0	87.6
1178 4.0'	482,357.9	13.425	1.289	1.982	0.202	0.992	5.574	164.4	259.1	78.5	0.0	502.0
1179 4.0'	447,932.8	21.976	0.090	3.588	0.953	5.138	60.339	1,092.9	661.7	365.4	17.9	2,138.0
1180 4.0'	315,088.5	5.705	0.000	0.516	0.000	0.591	1.324	308.7	256.9	232.8	12.1	810.6
1181 4.0'	321,245.5	11.001	3.337	1.995	1.150	5.395	6.527	142.5	141.9	26.6	0.0	311.0
1182 4.0'	51,772.7	7.774	0.000	2.463	0.000	4.576	116.956	5,032.6	2,053.8	518.8	42.3	7,647.5
1183 3.0'	39,172.3	6.794	0.000	2.803	0.000	0.951	0.807	1.9	0.6	0.1	0.0	2.5
1184 4.0'	14,607.0	1.535	0.000	0.640	0.000	0.169	0.151	0.0	0.0	0.5	0.0	0.5
1185 4.0'	1,215.9	0.171	0.000	0.118	0.000	0.075	0.155	0.0	0.0	0.0	0.0	0.0
1186 3.5'	43,635.7	1.669	0.000	0.857	0.000	0.306	0.717	15.3	55.6	35.1	9.4	115.4
1187 4.0'	15,642.4	0.329	0.000	0.449	0.000	0.247	0.434	1,488.6	0.0	0.0	0.0	1,488.6



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1188 4.0'	46,371.3	1.117	0.000	0.290	0.000	0.160	0.085	0.0	0.0	2.6	0.0	2.6
1189 4.0'	648.6	2.594	0.000	0.821	0.000	0.211	0.212	0.0	0.0	0.5	0.0	0.5
1190 4.0'	29.2	0.268	0.000	0.067	0.000	0.043	0.016	0.0	0.0	0.4	0.0	0.4
1191 4.0'	74.2	1.479	0.000	0.489	0.000	0.139	0.169	0.0	0.0	0.6	0.0	0.6
1192 4.0'	28.7	0.360	0.000	0.148	0.000	0.058	0.065	0.0	0.0	0.5	0.0	0.5
1195 4.0'	263,900.3	18.544	0.000	1.252	0.000	3.096	4.273	388.9	694.5	127.2	0.0	1,210.6
1196 4.0'	538,802.3	19.208	0.000	1.088	0.000	5.232	55.774	2,201.0	711.1	299.5	45.1	3,256.7
1197 4.0'	514,911.5	18.828	0.000	0.230	0.000	2.374	30.220	3,434.2	1,024.1	634.3	0.0	5,092.6
1198 4.0'	450,055.2	11.398	0.000	10.819	0.000	10.368	357.654	2,690.1	1,048.7	172.2	0.0	3,911.1
1199 4.0'	64,969.8	4.424	0.000	2.014	0.000	1.540	8.697	19.9	33.6	5.7	0.0	59.2
1200 4.0'	14,240.6	28.843	0.000	7.943	0.000	1.622	2.088	0.0	0.0	0.2	0.0	0.2
1201 4.0'	37.8	0.462	0.000	0.166	0.000	0.088	0.066	0.0	0.0	0.3	0.0	0.3
1202 4.0'	267.4	10.721	0.000	2.142	0.000	0.524	0.903	36.3	0.0	0.5	0.0	36.8
1203 3.5'	22.0	0.367	0.000	0.165	0.000	0.042	0.053	0.0	0.0	0.0	0.0	0.0
1204 3.5'	95,560.3	49.215	0.000	20.049	0.000	4.796	23.965	21.9	17.3	1.3	0.0	40.5
1207 4.0'	456,458.8	24.866	0.025	0.512	0.210	1.008	66.229	1,769.1	1,392.8	558.0	23.4	3,743.3
1208 4.0'	62,276.8	23.777	0.000	0.272	0.000	2.247	2.932	998.8	386.9	530.3	16.5	1,932.5
1209 3.5'	576,388.1	35.121	0.000	20.475	0.000	32.736	273.630	965.0	1,793.7	1,119.6	84.7	3,963.0
1210 4.0'	279,208.5	22.646	0.000	35.476	0.000	59.023	405.678	224.7	49.2	30.9	0.6	305.4
1211 4.0'	556,208.1	19.301	0.000	4.213	0.000	4.553	63.442	4,927.7	2,377.0	607.4	93.4	8,005.4
1212 4.0'	11,993.7	1.040	0.000	0.722	0.000	0.181	0.304	0.9	0.6	1.0	0.0	2.5
1213 3.5'	64.0	0.933	0.000	0.298	0.000	0.077	0.058	0.0	0.0	0.0	0.0	0.0
1214 3.0'	239.6	2.457	0.000	0.797	0.000	0.239	0.471	0.0	0.0	0.5	0.0	0.5
1215 4.0'	6,001.4	1.426	0.000	0.146	0.000	0.027	0.138	0.0	0.0	0.3	0.0	0.3
1216 4.0'	65.3	2.897	0.000	1.031	0.000	0.114	0.109	0.0	0.0	0.5	0.0	0.5
1217 3.0'	7,463.3	0.699	0.000	0.559	0.000	0.077	0.091	0.0	0.1	0.7	0.1	0.8
1218 4.0'	209,421.2	5.468	0.000	1.547	0.000	0.220	0.743	0.6	2.2	3.3	0.4	6.5
1219 4.0'	322,395.2	16.409	0.000	2.199	0.000	6.132	42.243	41.6	12.0	74.9	2.7	131.1
1220 4.0'	511,746.3	16.786	0.000	0.574	0.000	2.921	8.050	1,405.6	615.1	688.7	37.3	2,746.7
1221 4.0'	149,910.9	9.904	0.000	1.767	0.000	1.959	16.508	471.6	183.8	40.0	0.0	695.3
1222 3.0'	1,497.2	0.803	0.000	0.356	0.000	0.105	0.116	0.9	0.3	0.9	0.2	2.3



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1223 4.0'	21.7	0.292	0.000	0.123	0.000	0.101	0.088	0.4	0.1	0.7	0.1	1.3
1224 4.0'	77.3	0.443	0.000	0.182	0.000	0.039	0.066	0.0	0.0	0.4	0.0	0.4
1225 4.0'	276.4	3.525	0.000	1.160	0.000	0.223	0.171	0.0	0.0	0.0	0.0	0.0
1226 4.0'	8.5	0.145	0.000	0.062	0.000	0.037	0.013	0.0	0.0	0.0	0.0	0.0
1227 4.0'	71.0	0.779	0.000	0.245	0.000	0.063	0.055	6.4	0.0	0.0	0.0	6.4
1228 4.0'	104.8	1.544	0.000	0.544	0.000	0.149	0.144	0.0	0.0	0.0	0.0	0.0
1229 4.0'	60,936.2	4.092	0.000	1.007	0.000	0.251	0.268	0.1	0.1	15.1	2.0	17.3
1230 3.75'	8.0	0.191	0.000	0.167	0.000	0.049	0.047	0.6	0.0	0.7	0.1	1.5
1231 4.0'	19.2	0.424	0.000	0.242	0.000	0.094	0.082	0.3	0.1	0.8	0.0	1.2
1232 4.0'	19,613.1	7.566	0.000	3.037	0.000	0.810	1.118	6.5	9.4	15.5	4.4	35.9
1233 4.0'	23,656.7	3.658	0.277	1.152	0.136	0.598	2.010	9.1	13.2	8.1	0.0	30.5
1234 4.0'	265,161.9	1.502	0.000	2.114	0.000	3.534	12.714	52.5	36.2	66.8	1.4	156.9
1235 4.0'	365,676.6	15.622	0.000	0.374	0.000	1.104	0.728	744.0	586.1	264.0	14.3	1,608.4
1236 4.0'	38,287.2	0.546	0.000	0.035	0.000	0.247	0.198	11.2	21.2	18.0	7.9	58.4
1237 4.0'	14,215.5	0.809	0.000	0.313	0.000	0.268	0.192	3,560.4	1,417.9	1,085.9	9.6	6,073.7
1238 4.0'	11.8	0.182	0.000	0.088	0.000	0.012	0.000	0.0	0.0	0.0	0.0	0.0
1239 4.0'	12,201.7	1.416	0.000	0.620	0.000	0.227	0.272	5.9	0.1	0.3	0.0	6.3
1240	69.0	1.002	0.000	0.387	0.000	0.079	0.092	0.0	0.0	0.0	0.0	0.0
1241 4.0'	9.1	0.286	0.000	0.099	0.000	0.030	0.019	0.0	0.0	0.3	0.0	0.3
1242 4.0'	10.7	0.102	0.000	0.057	0.000	0.026	0.011	0.0	0.0	0.0	0.0	0.0
1243 4.0'	4,604.6	3.985	0.000	2.127	0.000	0.216	0.338	0.0	0.0	0.0	0.0	0.0
1244 3.5'	7,486.7	0.574	0.294	0.248	0.361	0.226	0.058	2.1	14.1	31.4	7.8	55.4
1245 4.0'	553,545.5	7.478	0.831	2.827	0.676	0.589	6.816	173.8	164.4	63.8	0.0	402.0
1246 4.0'	496,087.2	9.990	0.282	2.305	0.409	2.749	32.534	139.8	240.1	62.5	0.0	442.4
1247 4.0'	156,436.7	20.520	0.318	6.059	0.222	2.888	12.406	37.7	72.0	12.7	0.0	122.3
1248 4.0'	181,914.5	1.319	0.249	0.405	0.230	0.159	1.034	41.5	43.8	13.1	0.0	98.5
1249 4.0'	430,916.0	12.889	2.464	0.504	0.254	0.294	0.441	0.0	8.7	4.6	0.0	13.3
1251 4.0'	35,264.8	7.631	0.839	2.491	0.699	0.801	0.859	3.0	3.5	16.9	15.6	38.9
1252 4.0'	4,810.1	1.233	0.122	2.108	0.455	0.266	0.924	0.0	6.1	19.6	7.3	33.0
1253 3.0'	76,281.9	3.181	0.226	0.812	0.112	0.470	1.173	0.3	0.0	0.7	0.0	1.0
1254 1.5'	40,086.2	4.740	0.950	1.630	0.581	0.495	1.195	0.0	0.6	8.9	7.6	17.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1255 2.5'	19,134.3	4.309	0.000	2.204	0.000	0.550	1.321	8.4	3.6	5.6	7.9	25.5
1256 3.0'	17,282.7	0.497	0.077	0.239	0.066	0.099	0.258	0.0	1.4	0.7	0.0	2.1
1257 3.0'	30,012.7	2.529	0.672	0.785	0.359	0.537	0.431	31.7	13.1	24.7	2.4	71.9
1258 4.0'	54,421.5	0.869	0.051	0.294	0.048	0.476	0.180	0.0	0.0	0.3	0.0	0.3
1259 4.0'	99,340.9	9.713	4.003	3.161	1.247	1.581	2.544	13.6	13.5	0.3	0.0	27.5
1260 4.0'	20,408.8	3.148	0.414	0.901	0.250	0.343	0.769	2.0	0.7	0.0	0.0	2.7
1261 3.0'	479,784.8	32.814	0.119	9.096	0.268	2.136	7.834	0.1	0.0	1.5	1.1	2.7
1262 3.0'	13,962.7	0.627	0.064	0.197	0.060	0.157	0.168	5.7	2.5	0.3	0.0	8.4
1263 3.5'	210,202.2	9.881	1.657	1.129	0.248	0.632	2.160	11.0	32.6	6.8	0.0	50.5
1264 3.5'	6,480.4	0.144	0.035	0.176	0.023	0.168	0.060	0.0	0.0	0.3	0.0	0.3
1265 4.0'	31,530.8	1.815	0.000	1.070	0.000	0.416	0.565	16.3	1.8	5.8	0.5	24.4
1266 4.0'	185.8	0.064	0.008	0.036	0.011	0.050	0.022	0.0	0.0	0.8	0.0	0.8
1267 3.0'	8.1	0.025	0.012	0.845	0.030	0.365	0.306	0.2	0.0	0.4	0.4	1.0
1268 3.5'	222.7	0.037	0.046	0.085	0.049	0.111	0.200	1.8	1.8	1.0	0.0	4.6
1269 3.0	11,483.8	0.667	0.132	0.485	0.230	0.174	0.284	0.5	0.0	0.4	0.0	0.9
1270 4.0'	17.5	0.008	0.018	0.114	0.026	0.241	0.066	0.1	0.0	0.3	0.0	0.4
1271 4.0'	2,646.3	2.669	0.000	1.451	0.000	0.323	0.541	3.7	0.5	2.5	0.3	6.9
1272 4.0'	98,211.7	20.580	5.013	4.761	2.271	0.849	1.909	3.0	13.7	3.6	0.0	20.4
1273 3.5'	1,189.4	2.720	0.094	1.008	0.110	0.262	0.318	0.0	0.0	0.8	0.0	0.8
1274 3.5'	459.4	2.034	0.000	1.022	0.000	0.354	0.479	17.9	1.2	3.3	0.3	22.8
1275 3.5'	21.3	0.018	0.025	0.240	0.027	0.643	1.686	1.2	1.0	0.6	0.0	2.8
1276 4.0'	144,097.6	8.086	1.147	3.012	0.503	1.170	2.694	0.3	0.0	0.0	0.0	0.3
1277 3.0'	1,361.8	10.507	0.000	3.133	0.000	0.610	0.603	1.0	0.9	0.4	0.1	2.4
1278 3.5'	2.0	0.046	0.019	0.416	0.193	0.273	0.085	0.0	0.0	0.3	0.0	0.3
1279 4.0'	41,184.4	11.648	4.568	4.438	4.004	0.822	1.217	0.0	0.0	0.6	0.0	0.6
1280 4.0'	8,794.3	6.615	0.877	2.143	0.636	0.571	0.602	0.0	0.0	0.7	0.0	0.7
1281 4.0'	3,772.4	3.892	1.559	1.734	1.022	0.366	0.742	0.0	0.0	0.7	0.0	0.7
1282 3.5'	7,691.9	0.875	0.920	0.319	0.545	0.099	0.133	0.0	0.0	0.8	0.0	0.8
1283 3.0'	35,247.2	3.437	1.748	2.297	3.743	1.257	1.194	0.9	0.8	3.6	5.4	10.7
1284 3.0'	98.4	0.081	0.038	1.880	0.227	0.832	0.829	1.4	0.6	0.3	4.0	6.3
1285 3.0'	2,319.1	3.251	0.000	2.249	0.000	0.383	0.829	3.1	2.3	1.2	1.9	8.5





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1286 4.0'	43,538.6	3.352	0.000	1.140	0.000	0.398	0.409	27.0	9.7	4.5	0.8	42.0
1287 3.0'	29,506.5	44.994	5.881	3.465	3.669	0.607	1.403	1.0	0.3	0.7	0.0	2.0
1288 4.0'	51,341.0	4.204	0.108	1.401	0.087	0.362	0.385	2.3	0.0	1.0	0.0	3.3
1289 4.0'	7,196.5	0.969	0.068	0.382	0.024	0.118	0.135	0.0	0.0	0.7	0.0	0.7
1290 4.0'	136,213.3	6.716	0.483	1.498	0.039	0.492	1.271	8.1	21.3	0.0	0.0	29.4
1291 4.0'	14,032.7	17.435	0.283	8.026	0.147	1.782	2.779	1.2	2.1	1.4	0.0	4.7
1292 4.0'	16,788.3	11.833	0.162	3.784	0.145	0.801	0.931	0.0	0.3	0.9	0.0	1.2
1293 4.0'	6,334.1	4.021	0.907	1.655	0.592	0.366	0.482	0.0	0.1	0.7	0.0	0.8
1294 4.0'	446,668.8	16.741	0.000	1.132	0.072	0.663	0.896	6.1	69.5	1.5	0.0	77.0
1295 4.0'	2,280.7	0.703	0.043	0.290	0.037	0.064	0.091	2.1	2.1	1.6	0.2	6.0
1296 4.0'	19,973.7	1.362	0.123	0.361	0.107	0.098	0.139	1.6	7.2	6.6	2.1	17.5
1297 4.0'	1,515.6	2.289	0.130	0.861	0.107	0.224	0.248	0.0	0.0	0.5	0.0	0.5
1298 4.0'	3,935.4	1.649	0.136	1.014	0.076	0.287	0.380	0.0	0.0	0.5	0.0	0.5
1299 4.0'	21,795.8	4.682	0.117	1.980	0.076	0.542	0.741	0.0	0.0	0.6	0.0	0.6
1300 4.0'	5,857.7	1.607	0.129	0.757	0.077	0.172	0.246	0.0	0.0	1.0	0.0	1.0
1301 4.0'	8,338.5	1.498	0.163	0.482	0.090	0.159	0.129	0.0	0.0	1.0	0.0	1.0
1302 4.0'	13,895.9	7.581	0.675	6.527	0.485	1.551	2.481	2.6	2.1	0.6	0.0	5.4
1303 4.0'	28,088.1	4.113	0.325	1.707	0.207	0.418	0.523	0.0	0.0	0.4	0.0	0.4
1304 4.0'	87.5	0.047	0.001	0.034	0.012	0.033	0.015	0.0	0.2	0.2	0.0	0.3
1305 4.0'	88,659.7	9.352	1.274	3.077	0.733	0.802	0.898	0.0	0.0	0.5	0.0	0.5
1306 3.5'	10,431.8	32.704	0.330	12.921	0.156	2.779	3.013	0.1	0.0	0.8	0.0	0.8
1307 4.0'	39,583.4	1.097	0.259	0.639	0.218	0.203	0.293	0.0	0.0	0.6	0.0	0.6
1308 4.0'	4,872.9	6.904	0.327	2.148	0.252	0.522	0.515	0.0	0.0	0.7	0.0	0.7
1309 4.0'	21,154.0	6.461	0.561	2.534	0.388	0.675	0.769	0.0	0.0	0.7	0.0	0.7
1310 4.0'	173.5	5.068	0.217	2.673	0.216	0.682	1.025	0.5	0.7	0.7	0.0	1.9
1311 4.0'	186,359.8	8.085	1.584	1.390	0.203	0.339	0.835	1.0	1.1	0.0	0.0	2.1
1312 4.0'	40,965.0	3.800	0.301	1.240	0.108	0.352	0.472	0.3	0.6	1.5	0.0	2.4
1313 4.0'	176.4	3.511	0.220	1.403	0.167	0.412	0.425	0.0	0.0	0.7	0.0	0.7
1314 4.0'	14,065.8	1.957	0.226	0.831	0.144	0.203	0.256	0.0	0.0	0.5	0.0	0.5
1315 4.0'	12,228.0	11.039	0.782	5.756	0.401	1.243	1.919	1.0	1.1	0.7	0.1	2.9
1316 4.0'	30,250.7	7.004	0.360	2.619	0.317	0.545	0.560	0.0	0.0	0.5	0.0	0.5



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1317 4.0'	1,123.0	7.712	0.315	2.025	0.247	0.514	0.569	0.0	0.5	0.0	0.0	0.5
1318 4.0'	43,201.1	23.005	0.930	11.522	0.502	2.326	3.920	0.0	0.0	0.5	0.0	0.5
1319 4.0'	66,691.2	7.420	1.009	1.337	0.796	0.350	0.282	0.0	1.3	1.2	0.0	2.5
1320 4.0'	52,170.7	0.109	0.014	0.154	0.008	0.030	0.086	0.9	1.1	0.0	0.0	2.0
1321 4.0'	26,955.0	7.217	0.617	1.659	0.264	0.394	0.560	0.0	0.0	0.0	0.0	0.0
1322 4.0'	15,272.3	4.985	1.431	1.739	0.530	0.379	0.677	0.0	0.0	0.3	0.0	0.3
1323 4.0'	123,504.6	30.757	3.147	9.730	1.016	2.108	3.123	0.0	0.0	0.3	0.0	0.3
1324 4.0'	8,228.3	1.479	0.271	5.263	0.134	1.071	4.286	0.0	2.9	0.7	0.2	3.8
1325 4.0'	140,365.1	7.837	1.391	1.886	0.719	0.424	0.489	0.0	0.0	0.8	5.0	5.8
1326 4.0'	11,834.9	6.896	0.277	2.457	0.167	0.571	0.729	0.0	0.0	0.5	0.0	0.5
1327 4.0'	3,571.6	2.523	0.124	1.023	0.087	0.248	0.351	0.0	0.0	0.7	0.0	0.7
1328 4.0'	8,903.6	1.709	0.083	0.772	0.052	0.250	0.270	0.0	2.0	5.6	0.0	7.6
1329 4.0'	125,474.2	13.138	0.461	4.736	0.318	1.229	2.129	0.5	0.0	0.0	0.0	0.5
1330 4.0'	8,737.9	7.730	0.701	3.502	0.416	0.835	1.044	0.0	0.0	0.7	0.0	0.7
1331 4.0'	43,094.8	11.892	0.812	3.910	0.502	1.021	1.145	0.0	0.0	0.4	0.0	0.4
1332 4.0'	13,691.0	3.733	0.384	1.470	0.204	0.373	0.542	0.0	0.0	0.8	0.0	0.8
1333 4.0'	3,993.6	2.030	0.246	0.867	0.164	0.203	0.259	0.0	0.0	0.5	0.0	0.5
1334 4.0'	52,903.7	9.236	0.319	2.749	0.205	0.764	0.872	0.0	0.0	0.3	0.0	0.3
1335 4.0'	14,048.5	11.486	0.676	5.706	0.394	1.168	3.381	377.9	492.3	211.4	21.0	1,102.7
1336 4.0'	320.6	0.275	0.072	0.139	0.050	0.040	0.047	0.0	0.0	0.6	0.0	0.6
1337 4.0'	22,147.0	1.042	0.042	0.624	0.036	0.174	0.300	0.0	0.0	0.6	0.0	0.6
1338 4.0'	766.7	3.279	0.163	1.018	0.141	0.180	0.164	0.0	0.0	0.5	0.0	0.5
1339 4.0'	2,849.3	2.430	0.227	0.936	0.170	0.274	0.314	0.1	0.2	0.4	0.0	0.7
1340 4.0'	3,255.0	2.516	0.066	1.072	0.045	0.265	0.312	0.0	0.0	0.4	0.0	0.4
1341 4.0'	614.4	1.931	0.234	0.813	0.182	0.189	0.243	0.0	0.0	0.2	0.0	0.2
1342 4.0'	105,630.1	11.139	0.313	2.060	0.301	0.377	0.368	0.0	0.0	0.0	0.0	0.0
1343 4.0'	1.7	0.038	0.004	0.014	0.013	0.028	0.011	0.0	0.0	0.7	0.0	0.7
1344 4.0'	11,283.3	1.334	0.468	0.779	0.259	0.158	0.228	0.0	0.0	0.7	0.0	0.7
1345 4.0'	951.7	1.025	0.119	0.495	0.090	0.125	0.184	0.0	0.0	0.8	0.0	0.8
1346 4.0'	1,647.1	1.147	0.131	0.469	0.091	0.110	0.180	0.0	0.0	0.7	3.6	4.3
1347 4.0'	11,626.3	4.274	1.207	3.614	0.729	0.610	2.205	0.0	0.1	0.3	0.0	0.4



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7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1348 3.0'	1,949.1	0.225	0.055	0.130	0.041	0.028	0.049	0.0	0.0	0.9	0.0	0.9
1349 4.0'	10,675.4	0.479	0.105	0.339	0.078	0.132	0.661	0.0	1.1	0.0	0.0	1.1
1350 4.0'	12,785.8	1.192	0.339	0.520	0.271	0.109	0.186	0.0	0.0	0.8	0.0	0.8
1351 4.0'	59,828.9	3.001	0.265	1.219	0.140	0.354	0.921	8.0	7.2	1.7	0.0	16.9
1352 4.0'	2,766.3	16.327	1.120	4.289	1.527	1.267	1.456	0.0	0.0	0.6	0.0	0.6
1353 4.0'	125.6	3.630	0.076	1.103	0.066	0.270	0.316	0.0	0.0	0.5	0.0	0.5
1354 4.0'	45.5	2.790	0.198	0.017	0.002	0.006	0.008	0.0	0.0	0.6	0.0	0.6
1355 4.0'	97.2	2.818	0.101	1.062	0.071	0.287	0.302	0.0	0.0	0.6	0.0	0.6
1356 4.0'	449.9	3.635	0.163	1.281	0.173	0.345	0.425	0.0	0.0	3.6	0.0	3.6
1357 4.0'	341.4	5.127	0.306	1.875	0.206	0.478	0.591	0.0	0.0	0.4	0.0	0.4
1358 4.0'	58.7	1.033	0.101	0.412	0.079	0.099	0.125	0.0	0.2	0.3	0.0	0.5
1359 4.0'	52.3	1.772	0.072	0.683	0.059	0.181	0.193	0.0	0.0	0.5	0.0	0.5
1360 4.0'	1,031.5	0.791	0.057	0.295	0.040	0.036	0.123	0.0	0.2	0.3	0.0	0.5
1361 4.0'	4,291.4	1.026	0.100	0.611	0.131	0.133	0.254	0.0	0.0	0.5	0.0	0.5
1362 4.0'	5,525.2	1.917	0.216	0.898	0.097	0.325	0.228	0.0	0.0	0.5	0.0	0.5
1363 4.0'	837.9	1.470	0.071	0.607	0.068	0.152	0.171	0.0	0.0	0.5	0.0	0.5
1364 4.0'	232.4	2.645	0.035	0.857	0.050	0.204	0.251	0.0	0.0	0.5	0.0	0.5
1365 4.0'	423.2	3.740	0.015	0.515	0.034	0.125	0.105	0.0	0.0	0.5	0.0	0.5
1366 4.0'	86.8	0.956	0.053	1.629	0.059	0.369	1.389	0.4	0.1	0.5	0.0	1.0
1367 4.0'	1,119.0	1.708	0.042	0.256	0.043	0.085	0.055	0.0	0.0	0.4	0.0	0.4
1368 4.0'	166.9	1.633	0.275	0.569	0.181	0.144	0.244	0.0	0.0	0.4	0.0	0.4
1369 4.0'	289.7	1.861	0.047	0.555	0.048	0.165	0.282	0.0	0.0	0.5	0.0	0.5
1370 4.0'	2,729.0	2.796	0.073	1.332	0.066	0.308	0.428	0.0	0.0	0.5	0.0	0.5
1371 4.0'	281.7	1.588	0.026	3.058	0.099	0.683	0.890	0.1	0.2	0.5	0.0	0.7
1372 4.0'	359.1	3.090	0.248	1.220	0.258	0.277	0.397	0.0	0.0	0.5	0.0	0.5
1373 4.0'	824.4	2.840	0.097	1.169	0.148	0.304	0.476	0.0	0.0	0.6	0.0	0.6
1374 4.0'	20,101.1	3.294	0.603	1.439	0.378	0.278	0.709	0.0	0.0	0.4	0.0	0.4
1375 3.5'	62.5	6.088	0.033	3.334	0.035	0.648	1.114	0.0	0.1	0.6	0.0	0.7
1376 4.0'	499.7	3.835	0.165	1.541	0.138	0.390	0.654	0.2	0.9	1.3	0.0	2.4
1377 4.0'	194.7	2.756	0.080	1.131	0.075	0.305	0.394	0.1	0.0	0.7	0.0	0.8
1378 4.0'	81.3	1.045	0.072	0.482	0.080	0.124	0.183	0.0	0.1	0.4	0.0	0.6



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1379 4.0'	104.7	3.789	0.073	1.895	0.075	1.207	1.101	0.6	0.4	0.5	0.0	1.5
1380 4.0'	2,413.9	1.573	0.163	0.881	0.186	0.184	0.445	0.0	0.0	0.4	0.0	0.4
1381 4.0'	2,049.8	1.722	0.128	0.859	0.095	0.243	0.372	0.0	0.0	0.5	0.0	0.5
1382 4.0'	6,630.7	3.613	0.366	1.315	0.227	0.324	0.420	0.0	0.0	0.5	0.0	0.5
1383 4.0'	267.8	1.862	0.213	1.306	0.176	0.283	0.493	0.0	0.1	0.4	0.0	0.5
1384 4.0'	575.7	4.725	0.650	2.613	0.420	0.528	1.208	0.4	0.9	1.5	0.0	2.8
1385 4.0'	69.5	1.410	0.080	0.531	0.065	0.131	0.185	0.0	0.0	0.4	0.0	0.4
1386 4.0'	1,765.1	9.409	1.001	3.880	0.585	0.783	1.345	0.3	0.0	0.7	0.0	1.0
1387 4.0'	341.0	6.115	0.136	1.955	0.133	0.446	0.613	0.0	0.0	0.5	0.0	0.6
1388 4.0'	241.5	0.543	0.165	0.272	0.125	0.072	0.100	0.0	0.0	0.4	0.0	0.4
1389 4.0'	441.1	1.492	0.078	2.173	0.173	0.505	0.752	0.0	0.5	0.7	0.1	1.3
1390 4.0'	4,743.3	3.918	0.430	1.488	0.281	0.310	0.498	0.0	0.0	0.4	0.0	0.4
1391 4.0'	1,988.7	5.200	0.231	1.320	0.185	0.318	0.335	0.0	0.0	0.7	0.0	0.7
1392 4.0'	4,946.8	3.584	0.203	1.804	0.120	0.534	0.569	0.0	0.0	0.7	0.0	0.7
1393 4.0'	332.2	2.486	0.000	0.981	0.000	0.289	0.359	1.8	0.0	0.8	0.0	2.7
1394 4.0'	7,334.5	4.410	0.000	2.128	0.000	0.460	0.575	0.0	0.0	0.6	1.1	1.7
1395 4.0'	3,306.2	3.999	0.706	1.934	0.185	0.425	0.652	0.0	0.0	0.4	0.0	0.4
1396 4.0'	3,946.8	17.390	0.756	18.300	0.669	3.044	6.143	3.8	1.5	1.9	0.5	7.7
1397 4.0'	14,304.1	1.880	0.099	0.687	0.090	0.154	0.158	0.0	0.0	0.4	0.0	0.4
1398 4.0'	1,758.3	8.056	0.519	3.005	0.318	0.695	0.796	0.0	0.0	0.4	0.0	0.4
1399 4.0'	93.7	2.232	0.057	0.844	0.054	0.185	0.319	0.0	0.0	0.4	0.0	0.4
1400 4.0'	130.8	0.443	0.059	0.174	0.045	0.045	0.065	0.0	0.0	0.4	0.0	0.4
1401 4.0'	159.7	3.653	0.100	2.142	0.101	0.399	0.762	0.0	0.1	0.7	0.0	0.8
1402 4.0'	127.8	3.293	0.138	1.246	0.111	0.268	0.399	0.0	0.0	0.4	0.0	0.4
1403 4.0'	1,074.2	5.808	0.044	1.891	0.101	0.503	0.486	0.0	0.1	0.6	0.0	0.7
1404 4.0'	1,879.9	2.171	0.067	0.643	0.056	0.180	0.187	0.0	0.0	0.6	0.0	0.6
1405 4.0'	66.3	1.243	0.070	0.640	0.062	0.171	0.247	0.1	0.0	0.6	0.0	0.6
1406 4.0'	31,557.5	13.092	0.518	3.962	0.452	0.635	1.195	0.0	0.0	0.5	0.0	0.5
1407 4.0'	259.3	0.964	0.096	0.340	0.068	0.088	0.099	0.0	0.0	0.6	0.0	0.6
1408 3.0'	2,570.3	1.790	0.207	1.181	0.251	0.280	0.448	0.0	0.0	0.6	0.0	0.6
1409 4.0'	1,079.0	0.427	0.091	0.208	0.066	0.062	0.073	0.0	0.0	0.5	0.0	0.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1410 4.0'	8,403.3	1.527	0.034	0.554	0.055	0.123	0.242	0.0	0.0	0.7	0.0	0.7
1411 4.0'	23,057.6	3.948	0.144	1.166	0.097	0.319	0.289	0.0	0.0	0.5	0.0	0.5
1412 4.0'	43,421.3	6.931	0.100	0.994	0.052	0.206	0.414	0.0	0.0	0.6	0.0	0.6
1413 4.0'	21,144.8	17.387	0.824	6.561	0.516	1.340	1.587	0.6	0.0	0.8	0.0	1.3
1414 4.0'	2,204.2	12.800	0.123	3.410	0.124	0.744	0.826	0.0	0.0	0.6	0.0	0.6
1415 4.0'	395,502.8	6.405	0.000	3.973	0.000	1.074	1.530	2.2	0.7	1.7	0.0	4.6
1416 4.0'	115,060.2	1.033	0.000	0.416	0.000	0.153	0.169	2.2	0.5	2.4	0.3	5.5
1417 4.0'	385.6	3.347	0.000	1.913	0.000	0.497	0.672	0.4	0.1	0.7	0.0	1.3
1418 4.0'	48.7	1.343	0.000	1.115	0.000	0.245	0.397	0.3	0.1	0.9	0.1	1.3
1419 4.0'	862.2	7.504	0.000	2.329	0.000	0.496	0.491	0.6	0.2	0.8	0.1	1.7
1420 4.0'	6,560.2	3.705	0.000	1.881	0.000	0.470	0.634	1.1	0.0	0.6	0.0	1.8
1421 4.0'	230.7	15.943	0.000	3.191	0.000	0.552	0.495	0.8	0.1	0.8	0.0	1.7
1422 4.0'	178.9	3.140	0.000	1.513	0.000	0.372	0.495	3.3	0.7	5.7	0.5	10.1
1423 4.0'	130.9	2.721	0.364	1.012	0.244	0.215	0.316	0.0	0.0	0.3	0.0	0.3
1424 4.0'	12,002.8	3.615	0.000	1.624	0.000	0.403	0.639	6.8	0.7	1.2	0.1	8.8
1425 4.0'	5,448.0	2.312	0.000	0.854	0.000	0.224	0.276	1.7	1.0	0.7	0.1	3.5
1426 4.0'	196.6	2.741	0.000	1.264	0.000	0.316	0.316	0.3	0.1	0.6	0.0	0.9
1427 4.0'	1,263.1	5.769	0.427	2.167	0.306	0.466	0.738	0.0	0.1	0.5	0.0	0.6
1428 4.0'	717.3	1.375	0.092	0.764	0.065	0.186	0.288	0.0	0.1	0.4	0.0	0.4
1429 4.0'	105,612.5	7.344	0.000	3.554	0.000	0.938	1.768	1.0	0.1	0.5	0.2	1.7
1430 4.0'	100.2	1.290	0.000	0.756	0.000	0.220	0.290	0.4	0.1	0.7	0.0	1.2
1431 4.0'	419.7	3.468	0.000	1.601	0.000	0.405	0.563	0.8	0.1	0.6	0.0	1.5
1432 4.0'	2,879.6	0.225	0.000	0.134	0.000	0.040	0.065	1.8	0.0	0.5	0.1	2.4
1433 4.0'	251.1	3.591	0.902	1.590	0.510	0.340	0.603	0.0	0.0	0.4	0.0	0.4
1434 4.0'	1,122.7	2.527	0.291	0.871	0.218	0.175	0.275	0.0	0.0	0.4	0.0	0.4
1435 4.0'	105.5	1.772	0.000	0.745	0.000	0.226	0.254	0.6	0.1	0.7	0.0	1.4
1436 4.0'	409.2	19.563	0.000	8.444	0.000	2.246	2.685	3.8	0.3	0.8	0.0	4.9
1437 4.0'	59.6	2.142	0.087	1.132	0.060	0.259	0.420	0.0	0.0	0.3	0.0	0.3
1438 4.0'	450.8	2.765	0.000	2.124	0.000	0.316	0.316	4.2	0.5	2.8	1.1	8.6
1439 4.0'	75.4	3.400	0.021	2.090	0.045	0.698	0.761	0.1	0.0	0.4	0.0	0.5
1440 4.0'	917.7	10.875	0.678	4.655	0.467	0.957	1.661	0.0	0.0	0.1	0.0	0.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1441 4.0'	56,073.5	0.235	0.283	0.543	0.396	0.439	0.000	0.0	0.0	0.2	1.1	1.3
1442 4.0'	30.5	0.855	0.482	0.347	0.189	0.450	0.048	0.0	0.0	0.4	0.0	0.4
1443 4.0'	43.7	1.097	0.169	0.413	0.124	0.108	0.136	0.0	0.0	0.4	0.0	0.4
1444 4.0'	12.4	0.445	0.051	0.188	0.042	0.063	0.100	0.0	0.0	0.7	0.0	0.7
1445 4.0'	162,866.6	42.562	0.741	1.085	0.600	4.292	51.051	16,142.6	11,238.9	113.1	232.0	27,726.7
1446 4.0'	45,718.7	20.350	0.681	3.754	0.399	297.820	2,850.100	3,755.7	1,274.8	255.6	88.1	5,374.1
1447 4.0'	49,106.3	35.220	0.628	21.193	0.000	1,124.800	6,241.400	27,225.5	7,011.2	806.2	112.9	35,155.9
1448 4.0'	11.6	0.264	0.081	0.166	0.047	0.119	0.332	6.4	6.1	3.4	2.9	18.7
1449 4.0'	151.9	1.422	0.376	0.607	0.335	0.338	1.389	10.8	7.6	5.3	3.5	27.2
1450 4.0'	14.4	0.290	0.024	0.218	0.033	0.142	0.198	1.5	0.9	0.9	0.2	3.6
1451 4.0'	6,415.2	2.138	0.308	1.028	0.238	0.281	0.482	0.7	0.4	1.3	0.0	2.4
1452 4.0'	15,590.3	8.846	0.186	7.266	0.404	198.570	1,018.400	531.5	378.7	470.7	86.5	1,467.4
1453 4.0'	3.9	0.036	0.019	0.511	0.025	0.059	0.162	0.5	0.4	0.8	0.2	1.9
1454 4.0'	25.6	0.787	0.105	0.295	0.084	0.085	0.107	1.0	1.0	0.8	0.1	2.9
1455 4.0'	1.9	0.022	0.013	0.022	0.017	0.020	0.014	0.0	0.0	0.6	0.0	0.6
1456 4.0'	52.7	0.448	0.023	0.231	0.027	0.064	0.060	0.1	0.1	0.6	0.0	0.8
1457 4.0'	139.1	0.350	0.033	0.238	0.035	0.145	0.826	3.3	2.3	1.2	0.0	6.9
1458 4.0'	42.2	0.887	0.103	0.328	0.092	0.102	0.116	0.2	0.1	0.6	0.0	0.9
1459 4.0'	24.1	0.588	0.356	0.193	0.266	0.058	0.036	0.0	0.0	0.5	0.0	0.5
1460 4.0'	15.1	0.294	0.055	0.131	0.052	0.037	0.068	0.2	0.0	0.5	0.0	0.6
1461 4.0'	47.6	0.998	0.147	0.361	0.123	0.098	0.166	0.9	1.3	0.9	0.0	3.0
1462 4.0'	37,364.1	23.402	0.142	0.623	0.156	43.819	339.360	28.4	80.3	21.0	6.7	136.4
1463 4.0'	1,190.3	0.681	0.111	0.282	0.077	1.728	8.613	10.4	9.7	1.7	0.0	21.8
1464 4.0'	243.6	1.488	0.564	0.488	0.493	0.060	0.198	0.0	0.2	0.5	0.0	0.7
1465 4.0'	184.3	0.083	0.013	0.045	0.020	0.026	0.060	7.1	7.2	2.0	1.0	17.2
1466 4.0'	3,487.8	0.069	0.041	0.332	0.063	0.092	0.036	0.0	0.0	0.0	0.0	0.0
1467 4.0'	43,526.0	8.105	0.271	0.552	0.199	0.180	1.615	1,824.4	2,219.5	867.9	0.0	4,911.7
1468 4.0'	594.1	1.158	0.342	0.423	0.240	0.079	0.191	0.1	0.9	0.9	0.0	1.9
1469 2.5'	4.7	0.022	0.000	0.304	0.017	0.234	0.198	0.0	0.0	0.0	0.0	0.1
1470 4.0'	639.3	2.041	2.398	0.658	1.019	0.235	0.207	2.3	0.3	0.1	0.0	2.7
1471 4.0'	61.0	1.288	0.369	0.452	0.225	0.119	0.160	0.3	0.7	0.5	0.0	1.6



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1472 4.0'	3.5	0.075	0.028	0.038	0.019	0.035	0.024	0.0	0.0	0.5	0.0	0.5
1473 4.0'	7.7	0.112	0.060	0.053	0.066	0.034	0.021	0.0	0.0	0.6	0.0	0.6
1474 4.0'	344.2	1.109	0.147	0.317	0.115	0.088	0.075	0.0	0.0	0.6	0.0	0.6
1475 4.0'	1.4	0.041	0.041	0.024	0.053	0.021	0.017	0.0	0.0	0.6	0.0	0.6
1476 4.0'	58.8	1.378	0.000	0.719	0.000	0.129	0.278	0.1	0.5	0.1	0.0	0.7
1477 4.0'	54,621.0	0.060	0.000	0.333	0.000	0.094	0.044	0.0	0.2	0.1	0.1	0.3
1478 4.0'	92.8	1.831	0.510	0.636	0.324	0.104	0.275	0.0	0.0	0.7	0.0	0.7
1479 4.0'	6.0	0.008	0.000	0.071	0.000	0.054	0.037	0.2	0.1	0.0	0.0	0.3
1480 4.0'	11,960.1	2.453	0.941	1.341	1.265	0.119	0.373	0.0	0.0	0.0	0.0	0.0
1481 4.0'	22.8	0.703	0.411	0.233	0.272	0.119	0.082	0.1	0.1	0.4	0.1	0.7
1482 4.0'	20.8	0.046	0.024	0.074	0.020	0.021	0.021	0.2	0.1	0.0	0.0	0.2
1483 4.0'	19.5	0.337	0.060	0.094	0.028	0.041	0.025	0.1	0.3	0.1	0.0	0.6
1484 4.0'	19.8	0.071	0.020	0.047	0.016	0.039	0.028	0.2	0.5	0.1	0.0	0.8
1485 3.5'	124,233.3	0.341	0.038	0.275	0.090	0.235	0.064	0.0	0.7	17.3	34.6	52.6
1486 4.0'	1.9	0.063	0.000	0.138	0.000	0.026	0.106	0.2	0.0	0.2	0.1	0.5
1487 4.0'	159.7	0.804	0.534	0.561	0.371	0.123	0.161	0.5	1.6	5.7	6.2	13.9
1488 3.0'	0.5	0.003	0.005	0.059	0.016	0.059	0.019	0.0	0.0	0.0	0.0	0.1
1489 4.0'	85.6	1.054	0.054	0.602	0.160	0.077	0.112	0.3	0.1	0.5	0.1	1.0
1490 4.0'	8.7	0.031	0.004	0.047	0.000	0.020	0.021	0.0	0.8	0.1	0.1	1.0
1491 4.0'	67.1	0.402	0.091	0.309	0.143	0.078	0.065	0.3	0.8	0.9	1.1	3.1
1492 4.0'	64.2	0.193	0.051	0.080	0.049	0.060	0.019	0.0	0.0	0.6	0.0	0.6
1493 4.0'	30,060.7	0.062	0.019	132.221	30.932	100.194	34.180	0.3	0.6	0.0	0.2	1.0
1494 4.0'	5.0	0.069	0.048	0.031	0.000	0.034	0.012	0.1	0.2	0.1	0.1	0.6
1495 4.0'	7.1	0.075	0.032	0.036	0.137	0.034	0.013	0.0	0.0	0.5	0.0	0.5
1496 4.0'	7.4	0.213	0.028	0.073	0.022	0.030	0.029	0.4	0.2	0.5	0.0	1.2
1497 4.0'	2.2	0.058	0.021	0.032	0.022	0.031	0.011	0.0	0.0	0.5	0.0	0.5
1498 4.0'	4.1	0.079	0.026	0.041	0.031	0.055	0.035	0.4	0.5	0.6	0.3	1.8
1499 4.0'	6.6	0.184	0.109	0.075	0.091	0.033	0.023	0.0	0.0	0.5	0.0	0.5
1500 4.0'	2.5	0.060	0.015	0.031	0.067	0.029	0.035	0.0	0.1	0.4	0.0	0.5
1501 4.0'	12.7	0.343	0.071	0.129	0.051	0.063	0.042	0.2	0.5	0.0	0.1	0.8
1502 4.0'	8.0	0.298	0.052	0.105	0.045	0.041	0.036	0.2	0.7	0.1	0.0	1.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1503 4.0'	5.2	0.237	0.026	0.113	0.036	0.040	0.053	0.0	0.0	0.5	0.0	0.5
1504 4.0'	10.5	0.438	0.070	0.187	0.057	0.053	0.084	0.3	0.1	0.6	0.0	1.0
1505 4.0'	13.3	0.241	0.069	0.097	0.064	0.068	0.020	0.0	0.0	0.7	0.0	0.7
1506 4.0'	4.0	0.132	0.017	0.051	0.036	0.044	0.016	0.5	0.2	0.6	0.0	1.2
1507 4.0'	150.3	0.136	0.125	0.063	0.104	0.057	0.009	0.0	0.0	0.7	0.0	0.7
1508 4.0'	8.6	0.140	0.021	0.064	0.024	0.044	0.030	0.6	0.1	0.7	0.1	1.4
1509 4.0'	3.6	0.146	0.016	0.052	0.029	0.049	0.023	0.3	0.5	0.1	0.1	0.9
1510 4.0'	112.2	2.621	0.307	1.008	0.182	0.246	0.344	0.2	0.6	0.5	0.0	1.2
1511 4.0'	64.8	1.630	0.454	0.638	0.283	0.132	0.208	0.0	0.0	0.7	0.0	0.7
1512 4.0'	18.9	0.293	0.012	0.117	0.038	0.035	0.049	0.1	0.0	0.4	0.0	0.5
1513 4.0'	127.5	0.083	0.000	0.045	0.021	0.029	0.027	0.2	0.2	0.5	0.0	0.9
1514 4.0'	5.8	0.130	0.016	0.056	0.013	0.023	0.025	2.0	4.5	1.6	0.1	8.3
1515 4.0'	10.1	0.249	0.106	0.089	0.078	0.038	0.049	2.3	5.3	0.8	0.1	8.5
1516 4.0'	3.6	0.026	0.020	0.032	0.028	0.075	0.014	0.3	0.1	0.9	0.2	1.5
1517 4.0'	9.2	0.049	0.039	0.062	0.061	0.000	0.061	0.3	0.0	0.8	0.1	1.3
1518 4.0'	81.1	1.825	0.000	0.675	0.000	8.486	0.197	0.3	0.6	0.1	0.0	1.0
1519 4.0'	2.7	0.064	0.000	0.038	0.000	0.042	0.018	0.3	0.5	0.1	0.0	1.0
1520 4.0'	7,102.7	0.180	0.000	0.056	0.000	0.044	0.018	0.4	1.5	0.1	0.0	2.0
1521 4.0'	4.1	0.094	0.000	0.039	0.000	0.044	0.018	0.2	0.0	0.8	0.0	1.1
1522 4.0'	46.1	1.343	0.000	0.515	0.000	0.217	0.172	0.3	0.1	0.3	0.0	0.8
1523 4.0'	5.0	0.155	0.054	0.059	0.039	0.047	0.034	0.1	0.0	0.8	0.0	0.9
1524 4.0'	7.0	0.211	0.018	0.135	0.031	0.074	0.055	0.0	0.0	0.6	0.0	0.6
1525 4.0'	7.6	0.053	0.017	0.043	0.029	0.047	0.024	0.1	0.0	1.0	0.0	1.1
1526 4.0'	1.2	0.038	0.015	0.026	0.019	0.071	0.005	0.0	0.0	0.7	0.0	0.7
1527 4.0'	1.5	0.053	0.017	0.029	0.018	0.023	0.011	0.0	0.0	0.6	0.0	0.7
1528 4.0'	4.5	0.080	0.023	0.039	0.026	0.017	0.012	0.0	0.0	0.6	0.0	0.6
1529 4.0'	65.3	0.026	0.000	0.028	0.000	0.035	0.018	0.2	0.6	0.0	0.1	0.9
1530 4.0'	5.4	0.102	0.016	0.045	0.019	0.026	0.020	0.1	0.0	0.6	0.0	0.7
1531 4.0'	2.4	0.038	0.040	0.028	0.032	0.027	0.010	0.0	0.0	0.5	0.0	0.5
1532 4.0'	1.8	0.013	0.000	0.027	0.000	0.032	0.019	0.2	0.5	0.1	0.0	0.8
1533 3.0'	5.7	0.184	0.082	0.125	0.070	0.062	0.044	0.0	0.0	0.9	0.0	0.9





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1534 3.0'	2.6	0.053	0.020	0.029	0.019	0.073	0.028	0.0	0.0	0.9	0.0	0.9
1535 3.5'	189,849.6	5.834	1.980	1.421	0.335	1.007	2.518	0.0	0.0	0.0	0.0	0.0
1536 3.0'	152.1	0.132	0.105	0.097	0.088	0.079	0.046	0.0	0.0	1.0	0.0	1.0
1537 3.5'	3.0	0.076	0.064	0.049	0.086	0.081	0.013	0.0	0.0	0.4	0.4	0.8
1538 4.0'	3.9	0.089	0.083	0.070	0.034	0.050	0.049	0.0	0.0	1.1	0.0	1.1
1539 3.0'	106.2	0.288	0.198	0.210	0.130	0.104	0.121	0.0	0.0	1.0	0.0	1.0
1540 3.5'	2.3	0.071	0.026	0.051	0.035	0.066	0.018	0.0	0.0	1.4	0.0	1.4
1541 3.0'	8.4	0.442	0.090	0.394	0.088	0.102	0.246	0.1	0.0	1.7	0.0	1.7
1542 2.5'	6.5	0.244	0.266	0.160	0.167	0.179	0.039	0.5	0.0	1.3	0.0	1.8
1543 4.10'	5.3	0.095	0.094	0.049	0.023	0.043	0.026	0.0	0.0	1.1	0.0	1.1
1544 4.0'	5.5	0.155	0.079	0.085	0.044	0.062	0.025	0.0	0.0	1.1	0.0	1.1
1545 4.0'	44.3	0.136	0.012	0.174	0.501	12.486	97.862	1,048.0	945.1	352.6	64.7	2,410.4
1546 4.0'	5.1	0.119	0.031	0.043	0.030	0.056	0.025	0.4	0.4	1.9	0.0	2.6
1547 4.0'	4.3	0.034	0.010	0.067	0.017	0.138	0.031	0.0	0.0	0.2	0.2	0.4
1548 4.0'	299.0	0.133	0.047	0.069	0.015	0.057	0.030	0.0	0.0	1.1	0.0	1.1
1549 4.0'	1,152.0	0.834	0.074	2.329	0.100	35.521	116.690	69.0	11.8	2.7	1.4	84.9
1550 4.0'	8.6	0.239	0.000	0.086	0.120	0.052	0.130	0.0	0.0	1.2	0.1	1.4
1551 4.0'	15.5	0.172	0.079	0.070	0.043	0.037	0.040	0.0	0.0	1.3	0.1	1.4
1552 4.0'	204.6	3.030	1.340	0.944	0.240	0.227	0.334	0.0	0.9	1.1	0.0	2.0
1553 3.0'	54.5	1.215	0.080	0.423	0.062	0.140	0.185	0.0	0.0	1.4	0.6	2.0
1554 4.0'	28.4	0.510	0.197	0.177	0.127	0.078	0.076	0.0	0.0	1.2	1.1	2.3
1555 3.0'	3,380.5	0.096	0.013	0.110	0.013	0.151	0.098	0.0	0.0	0.8	0.0	0.8
1556 3.0'	17.1	0.378	0.136	0.166	0.084	0.059	0.055	0.0	0.0	1.3	0.3	1.6
1557 3.5'	5,101.7	0.099	0.027	0.068	0.022	0.055	0.047	0.0	0.0	1.6	2.6	4.1
1558 4.0'	4,946.9	0.395	0.509	0.200	0.340	0.072	0.039	0.0	0.0	1.0	0.0	1.0
1559 4.0'	19.0	0.379	0.214	0.197	0.142	0.102	0.063	0.0	0.0	1.5	0.0	1.5
1560 3.0'	28.3	0.160	0.007	0.321	0.027	0.144	0.082	0.0	0.0	0.0	0.0	0.0
1561 2.5'	6.3	0.155	0.023	0.127	0.032	0.078	0.028	0.0	0.0	0.0	0.0	0.0
1562 3.5'	31.5	0.868	0.536	0.309	0.338	0.111	0.082	0.0	0.0	0.5	0.0	0.5
1563 4.0'	20.6	1.550	0.375	0.862	0.291	0.180	0.252	0.0	0.0	1.3	0.0	1.3
1564 2.5'	152.0	5.776	3.143	2.595	2.287	0.508	0.883	0.0	0.8	0.0	0.0	0.8



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1565 3.5'	87.6	1.730	0.549	0.999	0.461	0.338	0.324	0.0	0.0	0.1	0.0	0.1
1566 4.0'	87.4	1.920	0.263	0.611	0.171	0.230	0.146	0.0	0.0	0.3	0.0	0.3
1567 4.0'	135.1	1.958	0.582	0.825	0.434	0.192	0.341	0.0	0.0	0.7	0.0	0.7
1568 4.0'	1,615.7	13.250	0.627	2.927	0.576	0.675	0.795	0.0	0.6	0.0	0.0	0.6
1569 4.0'	2,728.5	35.165	1.769	1.301	1.431	0.236	0.424	0.0	0.0	1.0	0.0	1.0
1570 4.0'	135.9	4.144	1.684	1.425	1.198	0.380	0.418	0.0	0.8	0.0	0.0	0.8
1571 4.0'	228.7	4.992	0.712	1.882	0.505	0.383	0.703	0.0	0.0	0.9	0.0	0.9
1572 4.0'	107,647.0	2,795.520	0.715	18.515	0.549	3.521	0.705	1.4	0.6	0.0	0.0	2.0
1573 4.0'	138.8	4.319	0.755	3.685	0.610	1.173	1.679	0.0	0.0	1.6	0.0	1.6
1574 2.5'	5,821.6	2.575	0.037	6.205	0.464	1.492	0.386	0.0	0.2	11.7	182.9	194.8
1575 4.0'	160.0	0.114	0.039	2.861	1.601	0.659	1.152	0.0	0.0	0.5	0.0	0.5
1576 4.0'	9.1	0.244	0.136	0.098	0.114	0.063	0.033	0.0	0.8	0.0	0.0	0.8
1577 4.0'	4.8	0.062	0.007	0.056	0.017	0.053	0.013	0.0	0.0	1.1	0.0	1.1
1578 4.0'	17.1	0.866	0.062	0.213	0.033	0.080	0.061	0.1	0.1	1.8	0.0	1.9
1579 4.0'	2.9	0.067	0.031	0.035	0.020	0.048	0.018	0.0	0.0	0.7	0.0	0.7
1580 4.0'	329.8	0.197	0.032	0.111	0.033	0.041	0.072	0.0	0.0	1.2	0.0	1.2
1581 4.0'	102.3	2.352	0.402	0.761	0.267	0.219	0.206	0.0	0.0	0.9	0.0	0.9
1582 4.0'	36.5	1.006	0.632	0.380	0.442	0.063	0.140	0.1	0.0	1.6	0.0	1.7
1583 4.0'	288,756.7	1.990	0.000	0.900	0.055	0.289	0.352	0.0	0.8	0.0	0.0	0.8
1584 4.0'	63.9	1.315	0.086	0.578	0.075	0.156	0.186	0.0	0.0	1.4	0.0	1.4
1585 4.0'	99.7	0.453	0.489	0.229	0.318	0.079	0.080	0.0	0.0	0.3	0.0	0.3
1586 4.0'	73,941.5	4,511.150	1.613	558.670	1.022	38.737	13.439	13.3	20.6	24.1	27.1	85.0
1587 4.0'	289,076.1	11,011.900	1.615	30.249	0.781	24.400	1.301	1.6	0.0	1.2	0.2	2.9
1588 4.0'	64.0	1.744	0.000	0.699	0.000	0.400	0.351	8.9	2.5	17.6	16.9	45.9
1589 4.0'	5,953.4	14.328	0.000	2.378	0.000	0.393	0.473	0.1	0.0	0.1	0.0	0.3
1590 4.0'	402,745.8	19,764.100	190.950	7,787.500	3.673	820.900	1,206.300	66.1	6.2	0.0	0.0	72.2
1591 4.0'	42,544.6	201.203	4.363	25.220	2.541	5.770	1.840	1.5	29.2	40.9	20.4	92.0
1592 4.0'	947.3	0.376	0.454	0.835	0.330	0.149	0.295	0.0	0.0	0.3	0.0	0.3
1593 4.0'	183,981.5	8,664.150	6.833	3,486.900	8.242	464.270	973.840	198.2	42.7	3.6	1.1	245.5
1594 4.0'	105,673.8	3,483.600	0.000	850.500	0.000	61.845	63.757	34.0	11.6	19.9	5.1	70.5
1595 4.0'	3,191.7	15.583	0.000	1.235	0.000	0.352	0.458	0.5	0.1	0.5	0.3	1.4



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1596 4.0'	315,804.2	14,406.100	1.739	5,817.700	5.075	484.160	1,163.600	101.7	33.5	1.7	0.8	137.7
1597 2.5'	480,841.3	29,839.400	0.000	9,160.600	0.626	1,057.300	1,429.600	457.6	199.3	20.7	1.1	678.7
1598 4.0'	12,933.3	498.999	0.000	153.824	0.000	6.858	8.822	5.8	2.0	0.9	0.0	8.8
1599 4.0'	109,506.5	122.703	0.000	5.276	0.000	1.438	1.030	3.4	1.7	0.7	0.1	5.9
1600 4.0'	317,367.0	25,262.100	0.000	5,954.967	0.000	1,068.851	1,556.338	0.0	11.7	3.4	4.4	19.5
1601 4.0'	154,491.5	7.180	0.000	0.658	0.007	0.432	0.140	0.0	0.0	0.0	0.0	0.0
1602 4.0'	53,335.1	2,039.300	1.085	550.130	2.098	160.560	6.338	17.5	12.3	82.3	0.1	112.2
1603 4.0'	1.1	0.332	0.000	3.746	0.000	1.098	0.333	0.3	0.0	0.0	0.0	0.3
1604 4.0'	215,973.2	6,924.770	1.602	5.978	1.114	8.619	0.791	3.2	0.0	0.0	0.0	3.2
1605 4.0'	11,416.4	539.870	0.370	149.600	0.907	23.241	62.829	3.1	0.7	0.1	0.0	3.9
1606 4.0'	65,978.4	1,219.290	0.000	45.913	0.000	34.746	5.400	0.0	57.4	19.8	9.9	87.1
1607 4.0'	7,503.9	281.973	0.000	111.661	0.000	10.650	11.571	11.4	3.2	0.7	0.1	15.5
1608 4.0'	185.5	11.409	1.737	4.882	1.200	0.930	1.431	0.0	0.0	0.4	0.0	0.4
1609 4.0'	190,196.5	11,919.600	1.606	2.962	1.050	1.017	0.497	7.9	0.0	0.0	0.0	7.9
1610 4.0'	39,954.1	1,597.780	0.000	265.920	0.000	41.109	67.950	44.4	2.8	6.9	0.3	54.3
1611 4.0'	39.5	0.146	0.000	0.069	0.000	0.045	0.039	0.3	0.7	0.3	0.0	1.4
1612 4.0'	46.7	0.983	0.444	0.336	0.300	0.112	0.097	0.0	0.0	0.4	0.0	0.4
1613 4.0'	88,140.1	4,070.340	2.921	28.499	3.165	10.780	4.102	0.2	0.0	7.8	0.0	7.9
1614 4.0'	76.6	2.087	1.423	0.407	0.888	0.109	0.103	0.0	0.0	0.3	0.0	0.3
1615 4.0'	134.9	5.181	0.468	1.659	0.380	0.321	0.490	0.0	0.0	0.7	0.0	0.7
1616 4.0'	64.0	0.725	0.000	0.294	0.000	0.106	0.104	0.4	0.1	0.8	0.0	1.3
1617 4.0'	59.4	1.733	0.000	0.743	0.000	0.199	0.241	0.5	0.6	0.2	0.0	1.2
1618 4.0'	19.5	0.318	0.143	0.119	0.104	0.056	0.033	0.0	0.0	0.4	0.0	0.4
1619 4.0'	20.5	0.595	0.000	0.315	0.000	0.108	0.094	0.9	0.3	1.5	0.0	2.7
1620 4.0'	556.8	0.358	0.000	0.139	0.000	0.072	0.038	0.1	0.0	0.1	0.0	0.2
1621 4.0'	23.1	0.300	0.000	0.129	0.000	0.063	0.041	0.7	0.1	0.5	0.0	1.3
1622 4.0'	263.5	0.282	0.051	0.085	0.041	0.066	0.050	0.0	0.0	0.6	0.0	0.6
1623 4.0'	7.9	0.198	0.025	0.125	0.040	0.087	0.029	0.0	0.0	0.5	0.0	0.5
1624 4.0'	36.6	0.657	0.143	0.226	0.107	0.084	0.066	0.0	0.0	0.4	0.0	0.4
1625 4.0'	16.0	0.614	0.000	0.221	0.000	0.074	0.077	0.9	0.4	1.6	0.2	3.0
1626 4.0'	13.5	0.294	0.000	0.096	0.000	0.058	0.038	0.1	0.1	0.1	0.0	0.3



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1627 4.0'	3.8	0.043	0.000	0.563	0.000	0.153	0.188	0.1	0.0	0.0	0.0	0.1
1628 4.0'	4.0	0.010	0.000	0.204	0.064	0.227	0.115	0.0	0.0	0.0	0.0	0.0
1629 3.0'	20,877.1	1.018	0.221	0.262	0.151	0.073	0.089	0.0	0.1	0.0	0.0	0.1
1631 4.0'	444.0	15.233	0.000	5.519	0.000	0.728	0.688	0.5	0.7	0.1	1.2	2.3
1632 3.5'	172.3	3.503	0.000	1.221	0.000	0.306	0.339	0.7	0.4	0.5	0.0	1.7
1633 3.5'	462.1	9.890	1.000	4.082	0.704	0.805	1.244	0.0	0.0	0.4	0.0	0.4
1634 4.0'	272.5	3.520	1.840	1.528	1.508	0.218	0.541	0.0	0.0	0.5	0.0	0.5
1635 3.0'	10,077.8	14.118	0.207	0.985	0.529	0.828	4.990	15.8	2.8	21.8	121.0	161.3
1636 3.0'	248.8	0.655	0.000	0.297	0.000	0.108	0.199	2.6	0.2	0.7	0.0	3.4
1637 4.0'	718.2	2.965	0.177	0.656	0.130	0.195	0.616	2.9	3.0	0.6	0.0	6.6
1638 4.0'	22,614.2	11.614	0.000	3.434	0.000	2.868	12.981	61.2	2.5	5.9	0.7	70.1
1639 4.0'	15,120.8	14.631	0.000	4.245	0.000	8.644	48.308	301.0	9.4	11.2	3.5	325.1
1640 4.0'	333,817.5	98.298	0.000	3.363	0.000	51.342	337.071	8,452.7	1,291.5	221.1	31.5	9,996.8
1641 4.0'	437,898.6	163.126	0.000	28.487	0.000	207.066	1,710.937	4,692.9	2,297.8	507.2	168.4	7,666.2
1642 4.0'	167,391.2	28.106	0.410	7.618	0.634	8.574	118.010	77.8	79.1	1.6	1.8	160.3
1643 4.0'	5,156.2	4.708	0.000	3.511	0.000	10.094	104.228	294.1	20.3	5.7	4.1	324.3
1644 4.0'	287,344.6	540.049	0.000	198.307	0.000	604.484	5,862.775	21,171.5	2,979.3	2,681.2	44.5	26,876.5
1645 4.0'	443,978.3	457.489	1.806	170.210	18.855	458.220	7,096.000	2,143.0	1,547.1	434.3	23.2	4,147.6
1646 4.0'	290,549.6	268.519	0.000	104.490	2.509	311.580	4,360.800	1,309.3	809.9	237.9	29.9	2,386.8
1647 4.0'	320,716.7	419.074	0.000	24.096	0.443	76.630	936.460	8,219.7	5,836.9	1,821.0	67.9	15,945.5
1648 4.0'	459,998.5	325.370	0.000	31.019	0.746	125.810	2,081.800	1,793.3	1,116.3	338.5	19.6	3,267.8
1649 4.0'	322,907.3	4,677.980	0.000	7.185	0.000	25.651	212.164	4,630.6	3,947.9	1,856.0	481.1	10,915.7
1650 4.0'	180,164.7	425.982	1.798	13.887	0.068	82.337	1,053.100	916.6	786.6	319.2	38.3	2,060.6
1651 4.0'	19,746.8	7.987	1.113	1.960	0.729	27.805	19.114	189.2	166.9	36.1	0.0	392.3
1652 4.0'	89,868.6	92.568	0.086	3.950	0.000	162.690	0.099	558.0	606.2	3,869.5	529.7	5,563.3
1653 4.0'	815.6	1.433	0.333	0.578	0.263	0.868	17.024	42.7	40.2	2.9	0.0	85.9
1654 4.0'	85,646.4	264.701	0.824	9.915	0.000	39.120	644.010	1,029.5	1,085.1	341.3	19.6	2,475.5
1655 4.0'	239,182.8	141.722	1.007	22.849	2.135	102.020	1,775.400	4,546.6	2,394.8	244.7	0.0	7,186.1
1656 3.5'	315,818.1	966.030	2.979	22.893	1.926	78.643	1,585.600	7,109.8	4,706.7	1,832.7	128.5	13,777.7
1657 4.0'	91.7	2.424	0.252	1.269	0.162	0.311	0.492	0.0	0.0	0.5	0.0	0.5
1658 4.0'	278.9	1.698	0.842	0.929	0.434	0.204	0.377	0.2	0.3	0.6	0.0	1.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1659 4.0'	30.3	0.781	0.104	0.434	0.045	0.119	0.209	0.1	0.0	0.6	0.0	0.6
1660 4.0'	85.1	1.712	0.212	1.397	0.212	0.315	0.524	0.4	0.2	1.1	0.0	1.7
1661 4.0'	13.5	0.384	0.041	0.341	0.031	0.088	0.190	0.2	0.2	0.6	0.2	1.2
1662 4.0'	20.9	0.716	0.062	0.392	0.051	0.107	0.192	0.1	0.0	0.7	0.0	0.8
1663 4.0'	27.6	0.537	0.094	0.244	0.075	0.066	0.133	0.3	0.2	0.7	0.0	1.2
1664 4.0'	8.6	0.168	0.022	0.079	0.030	0.043	0.074	0.0	0.0	0.7	0.0	0.7
1665 4.0'	5.8	0.232	0.120	0.101	0.096	0.034	0.054	0.2	0.0	0.5	0.0	0.7
1666 4.0'	55.1	0.167	0.027	0.150	0.021	0.046	0.083	0.0	0.0	0.6	0.0	0.6
1667 4.0'	11.0	0.272	0.029	0.114	0.034	0.048	0.082	0.0	0.0	0.6	0.0	0.6
1668 4.0'	6.0	0.146	0.011	0.071	0.013	0.056	0.020	0.0	0.0	1.0	0.0	1.0
1669 4.0'	7.1	0.137	0.000	0.075	0.000	0.040	0.032	1.4	0.3	2.2	0.1	4.1
1670 4.0'	6.6	0.175	0.035	0.066	0.029	0.040	0.021	0.0	0.0	0.7	0.0	0.7
1671 4.0'	816.9	6.597	0.000	3.156	0.000	0.765	1.041	2.6	0.6	2.3	0.3	5.8
1672 4.0'	57.8	0.700	0.053	0.539	0.085	0.141	0.176	0.2	0.0	0.6	0.0	0.8
1673 4.0'	344.1	5.689	0.402	2.003	0.260	0.433	0.555	0.0	0.0	0.7	0.0	0.7
1674 4.0'	193.3	0.632	0.000	0.250	0.000	0.087	0.131	2.4	0.4	2.9	0.2	5.9
1675 4.0'	3,660.3	1.744	0.880	0.557	0.571	0.072	0.125	0.0	0.0	0.5	0.0	0.5
1676 4.0'	5,339.4	0.701	0.000	2.472	0.000	0.863	1.144	1.0	0.4	1.5	0.3	3.1
1677 3.5'	1,563.8	8.922	6.360	2.000	0.390	0.131	0.147	8.8	1.0	1.1	0.0	10.9
1678 4.0'	13,852.1	3.553	0.345	1.089	0.184	0.290	0.400	0.0	0.0	0.0	0.0	0.0
1679 4.0'	7,366.1	5.427	0.000	3.598	0.000	1.034	1.489	1.6	1.3	0.9	0.2	4.0
1680 4.0'	4,713.7	2.723	0.000	1.246	0.000	0.350	0.380	1.2	1.2	1.1	0.5	4.0
1681 4.0'	726.0	6.253	0.492	1.909	0.359	0.380	0.480	0.0	0.0	0.4	0.0	0.4
1682 4.0'	14.4	0.455	0.053	0.193	0.040	0.067	0.070	0.1	0.0	0.4	0.0	0.5
1683 4.0'	73,233.0	8.440	0.759	2.503	0.361	0.573	1.168	0.0	0.0	0.3	0.0	0.3
1684 4.0'	7,998.2	7.386	1.429	2.628	0.963	0.562	0.974	0.0	0.0	0.3	0.0	0.3
1685 4.0'	435.0	2.741	0.000	1.124	0.000	0.305	0.468	1.7	1.3	0.7	0.1	3.7
1686 4.0'	328.1	0.445	0.000	0.270	0.000	0.108	0.135	1.4	0.4	1.9	0.2	3.9
1687 4.0'	9,260.2	1.226	0.000	0.617	0.000	0.158	0.207	0.3	1.4	0.5	0.1	2.3
1688 3.5'	242.2	2.947	0.258	1.822	0.227	0.495	0.607	0.0	0.0	0.2	0.0	0.2
1689 4.0'	475.4	1.543	0.280	0.628	0.221	0.158	0.235	0.0	0.0	0.5	0.0	0.5



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1690 4.0'	10,591.6	4.710	1.076	2.564	0.768	0.483	0.846	0.0	0.0	0.4	0.0	0.4
1691 4.0'	366.7	2.846	0.204	1.408	0.156	0.360	0.515	0.1	0.1	0.5	0.0	0.8
1692 4.0'	10.8	0.364	0.000	0.174	0.000	0.069	0.067	0.9	0.5	1.8	0.0	3.1
1693 4.0'	136.4	2.767	0.183	1.273	0.142	0.331	0.499	0.2	0.1	0.6	0.0	0.9
1694 4.0'	4,906.3	2.472	0.000	1.993	0.000	0.370	0.484	1.7	1.1	0.8	0.0	3.6
1695 4.0'	12,441.4	10.470	1.460	7.907	0.979	1.134	4.660	6.4	3.3	0.7	0.0	10.4
1696 4.0'	322.8	9.061	1.930	2.946	1.181	0.528	0.923	0.0	0.1	0.5	0.0	0.6
1697 4.0'	87.4	5.130	0.000	2.544	0.000	0.607	0.755	1.1	0.3	1.4	0.1	2.9
1698 4.0'	930.3	14.713	0.906	6.307	0.558	1.862	2.105	0.0	0.0	0.5	0.0	0.5
1699 4.0'	51.0	1.374	0.141	0.765	0.099	0.182	0.387	0.2	0.9	0.7	0.3	2.0
1700 4.0'	185.3	4.903	0.000	1.737	0.000	0.417	0.506	0.9	0.3	0.6	0.0	1.8
1701 4.0'	131.2	2.433	0.000	1.087	0.000	0.297	0.345	29.8	17.1	20.7	17.4	85.0
1702 4.0'	182.5	4.404	0.417	1.710	0.237	0.353	0.420	0.0	0.0	0.5	0.0	0.5
1703 3.5'	12.2	0.260	0.031	0.123	0.030	0.053	0.053	0.3	0.0	0.5	0.0	0.8
1704 4.0'	526.5	8.467	0.000	3.101	0.000	0.713	0.875	1.2	0.2	0.5	0.0	2.0
1705 4.0'	6,657.3	0.651	0.353	0.269	0.275	0.049	0.061	0.0	0.0	0.6	0.0	0.6
1706 3.5'	73,184.3	17.808	0.036	0.563	0.062	0.400	0.864	0.0	0.0	0.4	0.0	0.4
1707 4.0'	445.2	2.812	0.148	1.578	0.112	0.555	0.906	0.1	0.5	0.7	0.0	1.4
1708 4.0'	27,848.6	10.746	0.000	5.860	0.000	1.335	2.027	10.9	3.5	16.7	6.9	38.0
1709 4.0'	184.5	3.684	0.281	1.830	0.223	0.397	0.550	0.0	0.0	0.4	0.0	0.4
1710 4.0'	1,526.7	2.786	0.384	1.176	0.280	0.263	0.429	0.0	0.0	0.3	0.0	0.3
1711 4.0'	870.1	3.199	0.000	172.450	0.000	63.110	87.180	0.0	0.0	0.0	0.0	0.0
1712 4.0'	10.8	0.407	0.071	0.187	0.058	0.061	0.077	0.0	0.0	0.5	0.0	0.5
1713 4.0'	351.5	2.235	0.486	0.956	0.352	0.219	0.353	0.0	0.0	0.3	0.0	0.3
1714 4.0'	753.3	2.747	0.939	1.367	0.694	0.274	0.338	0.0	0.0	0.5	0.0	0.5
1715 4.0'	22,084.2	7.805	0.000	2.933	0.000	0.646	0.806	1.2	1.0	0.6	0.0	2.8
1716 4.0'	16,438.6	15.741	0.000	3.217	0.000	0.421	0.960	0.0	3.2	7.2	4.1	14.5
1718 4.0'	8,345.1	12.886	0.000	1.416	0.000	0.696	0.348	5.9	6.2	4.3	0.0	16.4
1719 4.0'	62,350.2	36.579	5.925	7.129	4.029	1.141	1.986	3.3	10.7	9.9	0.7	24.6
1720 4.0'	13,474.8	3.207	0.227	1.098	0.151	0.274	0.352	0.0	0.0	0.4	0.0	0.4
1721 4.0'	2,943.4	6.295	0.000	2.240	0.000	0.455	0.563	7.5	1.1	4.7	0.1	13.4



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1722 4.0'	36.2	0.898	0.100	0.357	0.064	0.097	0.115	0.2	0.0	0.3	0.0	0.5
1723 4.0'	50.1	0.280	0.000	0.767	0.000	0.169	0.243	0.4	0.1	1.0	0.3	1.8
1724 4.0'	68.7	2.552	0.072	0.909	0.067	0.190	0.202	0.0	0.1	0.4	0.0	0.5
1725 4.0'	45.4	1.573	0.029	0.791	0.023	0.215	0.253	0.2	0.0	0.5	0.0	0.7
1726 4.0'	9.0	0.271	0.000	0.110	0.000	0.050	0.040	0.4	0.0	0.2	0.0	0.5
1727 4.0'	14.0	0.585	0.000	0.340	0.000	0.087	0.124	0.1	0.0	1.5	0.1	1.7
1728 4.0'	5.3	0.168	0.030	0.082	0.025	0.043	0.024	0.0	0.0	0.4	0.0	0.4
1729 4.0'	10.2	0.224	0.013	0.089	0.021	0.032	0.028	0.0	0.0	0.4	0.0	0.5
1730 4.0'	19.1	0.470	0.022	0.220	0.023	0.080	0.075	0.4	0.0	0.3	0.0	0.7
1731 4.0'	57.3	0.175	0.000	0.188	0.000	0.040	0.085	0.7	0.9	0.2	0.0	1.7
1732 4.0'	7.8	0.155	0.000	0.083	0.000	0.040	0.033	0.2	0.4	0.0	0.1	0.6
1733 4.0'	4,874.9	1.705	0.601	1.406	0.890	0.257	0.390	0.0	0.0	0.3	0.0	0.3
1734 3.0'	208.3	8.317	0.497	3.746	0.304	1.124	1.588	1.0	0.8	0.6	0.0	2.4
1735 4.0'	8.5	0.142	0.043	0.168	0.038	0.077	0.070	0.0	0.0	0.3	0.0	0.3
1736 4.0'	284.3	4.656	0.000	1.630	0.000	0.300	0.391	0.2	0.1	0.0	0.0	0.3
1737 4.0'	5.6	0.102	0.000	0.047	0.000	0.020	0.022	0.0	0.8	1.5	0.5	2.8
1738 4.0'	438.8	1.624	0.155	0.892	0.133	0.207	0.286	0.1	0.0	0.5	0.0	0.6
1739 4.0'	105.0	1.657	0.235	0.727	0.171	0.170	0.221	0.4	0.0	0.6	0.0	1.0
1740 4.0'	366.4	5.361	0.631	2.138	0.440	0.429	0.563	0.0	0.0	0.6	0.0	0.6
1741 4.0'	34.7	0.699	0.072	0.260	0.045	0.070	0.083	0.2	0.0	0.7	0.0	0.9
1742 4.0'	12.9	0.337	0.106	0.139	0.098	0.042	0.048	0.0	0.0	0.5	0.0	0.5
1743 4.0'	53.8	1.408	0.951	0.534	0.598	0.112	0.260	0.1	0.2	0.7	0.0	1.0
1744 4.0'	143.8	0.921	0.344	0.332	0.227	0.067	0.090	0.0	0.0	0.8	0.0	0.8
1745 4.0'	18.2	0.348	0.408	0.227	0.240	0.044	0.122	0.4	0.0	0.3	0.0	0.6
1746 4.0'	23.6	0.320	0.042	0.169	0.032	0.054	0.070	0.1	0.0	0.5	0.0	0.6
1747 7.0'	10,705.3	4.524	1.427	2.271	1.153	1.016	1.605	0.0	0.0	0.6	0.0	0.6
1748 4.0'	59.4	0.118	0.087	0.073	0.082	0.034	0.039	0.0	0.0	0.1	0.0	0.1
1749 4.0'	15.8	0.259	0.048	0.138	0.048	0.050	0.057	0.1	0.0	0.6	0.0	0.7
1750 4.0'	210.9	0.166	0.038	0.074	0.029	0.046	0.036	0.0	0.0	0.5	0.0	0.5
1751 4.0'	40.8	1.370	0.592	0.611	0.422	0.082	0.246	0.3	0.1	0.5	0.0	1.0
1752 4.0'	8.3	0.160	0.012	0.103	0.016	0.050	0.063	0.4	0.1	0.6	0.0	1.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1753 4.0'	19.0	0.408	0.139	2.239	0.098	0.349	1.211	0.0	1.7	0.5	0.0	2.2
1754 4.0'	2.5	0.044	0.016	0.042	0.016	0.024	0.028	0.5	0.0	0.8	1.8	3.1
1755 4.0'	87.4	1.365	0.195	0.667	0.159	0.142	0.220	0.0	0.0	0.8	0.0	0.8
1756 4.0'	23.0	0.475	0.036	0.201	0.034	0.077	0.068	0.2	0.0	0.9	0.0	1.1
1757 4.0'	1,198.0	2.847	0.874	0.883	0.502	0.159	0.288	0.0	0.0	0.4	0.0	0.4
1758 4.0'	38,763.0	11.192	1.016	3.741	0.712	0.750	0.926	0.0	0.0	0.4	0.0	0.4
1759 4.0'	17,633.6	0.952	0.407	0.478	0.287	0.104	0.156	0.0	0.0	0.4	0.0	0.4
1760 4.0'	64,023.5	1.447	0.090	0.562	0.139	0.100	0.164	0.0	1.1	0.9	0.3	2.2
1761 4.0'	35,854.4	4.569	0.476	0.736	0.187	0.265	0.276	2.7	5.7	3.2	0.0	11.6
1762 4.0'	832.3	2.509	0.633	0.923	0.463	0.175	0.260	0.0	0.0	0.6	0.0	0.6
1763 4.0'	69.0	1.827	0.507	0.610	0.299	0.128	0.204	0.6	0.0	0.5	0.0	1.1
1764 3.5'	5.6	0.150	0.036	2.645	0.071	0.325	0.938	0.0	0.0	0.4	0.3	0.7
1765 4.0'	112.6	1.474	0.000	0.938	0.000	0.179	0.373	0.0	0.0	0.2	0.0	0.2
1766 3.5'	3.6	0.043	0.012	0.130	0.017	0.040	0.161	0.0	0.0	0.2	0.0	0.2
1767 4.0'	2.2	0.016	0.000	0.032	0.000	0.024	0.033	0.2	0.0	0.2	0.0	0.4
1768 4.0'	3.0	0.025	0.017	0.033	0.010	0.021	0.024	0.0	0.0	0.4	0.0	0.4
1769 4.0'	1.7	0.008	0.000	0.078	0.000	0.021	0.033	0.0	0.0	0.2	0.0	0.2
1770 4.0'	2.9	0.162	0.012	0.042	0.018	0.029	0.018	0.0	0.0	0.2	0.0	0.2
1771 4.0'	20.4	0.008	0.000	0.032	0.000	0.019	0.031	0.0	0.0	0.3	0.0	0.3
1772 4.0'	2.6	0.019	0.015	0.030	0.013	0.011	0.015	0.0	0.0	0.2	0.0	0.2
1773 4.0'	1.8	0.012	0.009	0.024	0.011	0.014	0.008	0.0	0.0	0.5	0.0	0.5
1774 4.0'	265.8	0.252	0.000	0.099	0.000	0.049	0.050	0.0	0.0	0.6	0.0	0.6
1775 4.0'	6.5	0.148	0.000	0.073	0.000	0.035	0.030	0.2	0.0	1.9	0.0	2.1
1776 4.0'	9,125.7	0.156	0.000	0.108	0.000	0.043	0.031	0.0	0.3	10.4	12.4	23.1
1777 4.0'	12,908.5	0.826	0.061	0.482	0.051	0.134	0.193	0.0	0.0	0.3	0.0	0.3
1778 4.0'	55.4	0.975	0.000	0.446	0.000	0.102	0.195	0.0	0.0	0.6	0.0	0.6
1779 4.0'	30,352.9	4.965	0.192	2.699	0.165	0.826	1.113	0.0	0.0	0.0	0.0	0.0
1780 3.5'	14.3	0.043	0.010	0.173	0.073	0.169	0.061	0.0	0.0	0.0	0.0	0.0
1781 3.5'	11.5	0.175	0.013	0.123	0.022	0.044	0.050	0.0	0.0	0.4	1.9	2.4
1782 3.5'	27.7	0.024	0.015	0.108	0.013	0.039	0.093	0.2	0.0	0.5	0.0	0.7
1783 3.0'	10.3	0.084	0.001	0.638	0.014	0.196	0.259	0.0	0.0	0.0	0.0	0.0





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1784 4.0'	182.5	0.726	0.142	0.665	0.052	0.153	0.320	0.0	0.0	0.4	0.0	0.4
1785 4.0'	23.9	0.617	0.124	0.290	0.067	0.089	0.097	0.0	0.0	0.5	0.0	0.5
1786 4.0'	50.3	0.707	0.035	0.388	0.021	0.083	0.177	0.0	0.0	0.5	0.0	0.5
1787 4.0'	70.0	1.086	0.034	0.503	0.031	0.128	0.138	0.0	0.0	0.7	0.0	0.7
1788 4.0'	160.1	1.508	0.131	0.523	0.089	0.175	0.223	0.0	0.0	0.2	0.0	0.2
1789 4.0'	1.5	0.020	0.005	0.083	0.012	0.038	0.031	0.0	0.0	0.5	0.0	0.5
1790 4.0'	3.1	0.030	0.031	0.060	0.026	0.022	0.042	0.1	0.0	0.7	0.0	0.8
1791 4.0'	14.2	0.061	0.004	0.023	0.009	0.021	0.006	0.0	0.0	0.3	0.0	0.3
1792 4.0'	31.5	1.033	0.147	0.488	0.088	0.123	0.174	0.1	0.0	0.6	0.0	0.6
1793 4.0'	1.9	0.026	0.011	0.026	0.018	0.016	0.017	0.0	0.0	0.6	0.0	0.6
1794 4.0'	1.7	0.026	0.011	0.043	0.007	0.027	0.034	0.1	0.0	0.5	0.0	0.7
1795 4.0'	17.3	0.794	0.018	0.507	0.027	0.155	0.217	0.1	0.0	0.6	0.0	0.7
1796 4.0'	5.5	0.110	0.010	0.122	0.010	0.058	0.040	0.0	0.0	1.0	0.0	1.0
1797 4.0'	6.3	0.197	0.009	0.436	0.017	0.067	0.236	0.1	0.0	0.5	0.0	0.6
1798 4.0'	64.3	1.463	0.302	0.576	0.204	0.122	0.185	0.1	0.0	0.6	0.0	0.6
1799 4.0'	8,215.2	2.358	0.463	0.885	0.398	0.942	2.017	0.1	0.5	0.4	0.0	1.1
1800 4.0'	7.9	0.143	0.045	0.156	0.059	0.180	0.036	0.4	0.0	0.2	0.0	0.7
1801 4.0'	52.1	0.817	0.145	0.496	0.150	0.138	0.174	0.0	0.0	1.0	0.0	1.0
1802 4.0'	13,539.6	0.226	0.000	0.082	0.000	0.053	0.058	23.8	3.6	11.0	4.1	42.6
1803 4.0'	37.4	0.856	0.000	0.719	0.000	0.388	0.400	1.4	0.5	2.7	0.7	5.3
1804 4.0'	20.2	0.198	0.000	0.133	0.000	0.115	0.052	2.1	0.5	3.1	0.8	6.4
1805 4.0'	1,502.2	10.064	0.000	10.594	0.000	1.625	4.272	4.1	2.1	3.2	1.0	10.4
1806 4.0'	173.5	0.704	0.041	0.916	0.091	0.209	0.332	0.1	2.4	0.7	0.0	3.2
1807 4.0'	32.9	0.977	0.000	0.855	0.000	0.173	0.356	2.0	0.5	2.3	0.2	5.0
1808 4.0'	215.6	0.971	0.000	0.471	0.000	0.137	0.139	1.3	0.2	1.7	0.4	3.6
1809 4.0'	257.4	0.994	0.025	0.313	0.022	0.088	0.098	0.0	0.0	0.6	0.0	0.6
1810 4.0'	2,422.4	2.125	0.227	37.667	0.743	4.399	18.963	0.0	12.0	1.1	0.5	13.6
1811 4.0'	53.5	1.133	0.131	0.482	0.072	0.116	0.185	0.1	1.9	0.6	0.0	2.6
1812 4.0'	5.8	0.156	0.000	0.088	0.000	0.048	0.034	1.3	0.3	1.3	0.1	3.0
1813 4.0'	93.6	2.103	0.196	1.312	0.124	0.263	0.606	0.0	0.1	1.1	0.0	1.2
1814 4.0'	532.0	0.366	0.017	0.158	0.013	0.063	0.059	0.0	0.1	0.8	0.0	0.9



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1815 4.0'	13.8	0.257	0.000	0.143	0.000	0.119	0.064	1.5	0.3	1.4	0.1	3.4
1816 4.0'	1,779.4	1.325	0.000	0.471	0.000	0.132	0.121	2.6	0.3	1.8	0.1	4.8
1817 4.0'	21.9	0.380	0.039	0.116	0.028	0.042	0.035	0.0	0.0	0.6	0.0	0.6
1818 4.0'	4,899.5	8.631	0.754	116.560	0.608	17.279	78.024	1.1	491.1	83.1	99.9	675.3
1819 4.0'	26.5	0.299	0.000	0.117	0.000	0.073	0.040	0.9	0.5	2.2	0.3	3.9
1820 4.0'	4,611.3	1.784	0.000	0.573	0.000	0.159	0.172	4.7	0.7	2.6	0.2	8.2
1821 4.0'	120.4	3.284	0.864	1.484	0.524	0.442	0.639	0.0	0.0	1.0	0.0	1.0
1822 4.0'	9.1	0.210	0.014	0.157	0.013	0.055	0.075	0.1	0.2	0.8	0.0	1.1
1823 4.0'	263.6	3.112	0.280	1.455	0.209	0.356	0.565	0.1	0.5	1.0	0.0	1.5
1824 4.0'	4.1	0.079	0.000	0.174	0.000	0.066	0.117	0.4	0.8	0.3	0.0	1.6
1825 4.0'	32.5	0.470	0.000	0.322	0.000	0.116	0.103	0.5	1.1	0.6	0.0	2.2
1826 4.0'	40.1	1.364	0.394	0.487	0.238	0.097	0.170	0.0	0.0	0.7	0.0	0.7
1827 4.0'	14.5	0.403	0.073	0.194	0.060	0.065	0.079	0.3	0.1	0.7	0.0	1.1
1828 4.0'	15.0	0.354	0.018	0.149	0.025	0.056	0.054	0.0	0.0	0.6	0.0	0.6
1829 4.0'	0.8	0.026	0.007	0.018	0.045	0.068	0.016	0.0	0.0	1.2	0.0	1.2
1830 4.0'	9.7	0.061	0.010	0.107	0.013	0.038	0.059	0.1	0.0	0.5	0.0	0.7
1831 4.0'	2.2	0.080	0.016	0.060	0.012	0.067	0.028	0.0	0.0	0.8	0.0	0.8
1832 4.0'	1.5	0.003	0.006	0.052	0.028	0.043	0.019	0.0	0.3	0.1	0.0	0.4
1833 4.0'	6.2	0.120	0.018	0.057	0.022	0.041	0.032	0.1	0.1	0.5	0.0	0.6
1834 4.0'	117.4	4.142	0.569	1.914	0.433	0.435	0.692	0.0	0.0	0.4	0.0	0.4
1835 4.0'	20.5	0.712	0.018	0.376	0.013	0.105	0.107	0.0	0.0	0.3	0.0	0.3
1836 4.0'	111.3	2.444	0.000	107.844	0.000	16.129	61.330	0.0	58.5	2.8	0.1	61.4
1837 4.0'	5.6	0.074	0.009	0.035	0.006	0.027	0.020	0.0	0.0	0.4	0.0	0.4
1838 4.0'	1.3	0.012	0.013	0.017	0.011	0.024	0.008	0.1	0.1	0.3	0.0	0.6
1839 4.0'	1.9	0.033	0.000	0.041	0.000	0.023	0.033	0.0	0.2	0.2	0.0	0.4
1840 4.0'	1.5	0.020	0.000	0.064	0.000	0.037	0.060	0.0	5.7	0.1	0.0	5.7
1841 4.0'	3.0	0.047	0.013	1.489	0.011	0.250	0.963	0.0	6.8	0.0	1.3	8.0
1842 4.0'	1.7	0.022	0.012	5.124	0.011	0.629	2.725	0.0	1.4	0.4	0.0	1.9
1843 4.0'	3.9	0.010	0.000	0.057	0.000	0.036	0.033	0.0	0.4	0.1	0.1	0.6
1844 4.0'	1.2	0.014	0.000	0.022	0.000	0.022	0.016	0.0	1.0	0.2	0.5	1.7
1845 4.0'	3.1	0.115	0.000	0.062	0.000	0.029	0.023	0.1	0.3	0.0	0.0	0.4



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1846 4.0'	4.6	0.126	0.000	0.081	0.000	0.025	0.029	0.2	0.3	0.1	0.0	0.6
1847 4.0'	2.6	0.052	0.000	3.343	0.000	0.460	1.396	0.4	0.9	0.2	0.1	1.6
1848 4.0'	1.8	0.053	0.004	0.021	0.012	0.036	0.013	0.0	0.0	0.4	0.0	0.4
1849 4.0'	40.3	1.109	0.724	0.555	0.549	0.121	0.221	0.2	2.4	1.6	0.0	4.1
1850 4.0'	68.5	3.492	0.000	1.286	0.000	0.297	0.353	0.0	9.9	0.0	0.1	10.0
1851 4.0'	19.3	1.586	0.000	0.642	0.000	0.187	0.235	4.0	6.1	7.7	0.7	18.4
1852 4.0'	80.4	3.364	5.330	1.569	3.331	0.145	0.565	0.3	1.6	2.2	7.4	11.5
1853 4.0'	6.2	0.147	0.049	8.790	0.035	1.151	5.116	0.1	3.4	0.8	0.0	4.2
1854 4.0'	71.5	2.217	0.000	0.773	0.000	0.183	0.206	0.1	0.2	0.1	0.1	0.5
1855 4.0'	434.9	0.964	0.000	0.398	0.000	0.112	0.130	1.4	1.0	0.5	0.1	3.0
1856 4.0'	37.4	0.718	0.000	0.301	0.000	0.071	0.079	0.2	0.3	0.2	0.0	0.7
1857 4.0'	22.2	0.432	0.000	0.154	0.000	0.051	0.034	0.6	1.0	0.8	0.0	2.3
1858 4.0'	24.8	1.429	0.615	1.798	0.405	0.226	1.142	0.4	0.3	0.6	0.0	1.2
1859 4.0'	19.2	0.302	0.000	0.600	0.000	0.216	0.188	0.2	0.1	0.0	0.0	0.3
1860 4.0'	252.8	1.246	0.000	0.842	0.000	0.230	0.233	0.6	0.2	1.1	0.0	1.8
1861 4.0'	1,081.1	0.292	0.026	0.151	0.033	0.049	0.083	0.0	0.0	0.3	0.0	0.3
1862 4.0'	16.8	1.078	0.084	0.523	0.105	0.125	0.151	0.1	0.0	0.3	0.0	0.5
1863 4.0'	5.5	0.169	0.012	0.072	0.018	0.036	0.027	0.0	0.0	0.4	0.0	0.4
1864 4.0'	5.5	0.132	0.016	2.265	0.019	0.275	0.999	0.0	0.7	0.5	0.0	1.1
1865 4.0'	20.0	0.643	0.084	0.282	0.056	0.071	0.115	0.1	0.3	0.4	0.0	0.7
1866 3.5'	2,776.7	1.139	0.000	0.500	0.000	0.121	0.171	0.5	0.1	1.1	0.8	2.5
1867 3.0'	1,136.3	3.151	0.000	1.070	0.000	0.247	0.277	0.2	0.0	0.1	0.1	0.4
1868 4.0'	213.9	1.715	0.075	0.671	0.058	0.160	0.173	0.4	0.0	0.2	0.0	0.7
1869 4.0'	2.8	0.060	0.005	0.018	0.009	0.029	0.015	0.4	0.0	0.3	0.0	0.7
1870 4.0'	5.9	0.194	0.026	0.066	0.016	0.027	0.021	0.0	0.0	0.4	0.0	0.4
1871 4.0'	27.8	0.207	0.030	0.081	0.022	0.038	0.040	1.1	0.0	0.4	0.0	1.6
1872 4.0'	1.5	0.036	0.000	0.020	0.000	0.028	0.025	0.2	0.5	0.3	0.0	1.0
1873 4.0'	115.7	2.114	0.000	0.786	0.000	0.192	0.215	0.5	0.4	0.2	0.0	1.1
1874 4.0'	33.8	0.959	0.000	0.373	0.000	0.114	0.113	0.1	0.3	0.1	0.0	0.5
1875 4.0'	123.3	2.630	0.000	1.001	0.000	0.268	0.290	0.1	0.2	0.0	0.0	0.4
1876 4.0'	23.3	0.544	0.000	0.201	0.000	0.075	0.071	0.7	0.3	1.3	0.1	2.3



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1877 4.0'	8.5	0.188	0.000	0.068	0.000	0.035	0.033	0.8	0.3	1.5	0.1	2.8
1878 4.0'	22.1	0.488	0.000	0.154	0.000	0.052	0.049	0.1	0.1	0.1	0.0	0.4
1879 4.0'	21.6	0.507	0.005	0.178	0.015	0.068	0.055	0.3	0.0	0.4	0.0	0.7
1880 4.0'	17.1	0.350	0.000	0.105	0.000	0.043	0.057	0.5	0.3	1.5	0.1	2.4
1881 4.0'	1.9	0.041	0.000	0.021	0.000	0.045	0.021	0.1	0.0	0.1	0.0	0.2
1882 4.0'	19.8	0.380	0.004	0.123	0.010	0.047	0.032	0.0	0.0	0.4	0.0	0.4
1883 4.0'	19.7	0.385	0.000	0.135	0.000	0.048	0.057	0.5	0.3	1.5	0.1	2.4
1884 4.0'	5.8	0.131	0.005	0.047	0.012	0.031	0.015	0.0	0.0	0.4	0.0	0.4
1885 4.0'	12.8	0.254	0.003	0.085	0.010	0.041	0.028	0.1	0.4	0.5	0.0	1.0
1886 4.0'	0.6	0.004	0.000	0.034	0.000	0.018	0.013	0.0	0.1	0.1	0.0	0.2
1887 4.0'	66.4	1.353	0.083	0.498	0.057	0.107	0.139	0.0	0.0	0.3	0.0	0.3
1888 4.0'	135.9	3.095	0.233	1.025	0.134	0.235	0.320	0.1	0.5	0.5	0.0	1.1
1889 4.0'	36.5	0.672	0.000	0.253	0.000	0.067	0.076	0.6	0.3	1.4	0.2	2.6
1890 4.0'	40.2	1.933	0.162	0.908	0.107	0.284	0.247	0.0	0.0	0.3	0.0	0.3
1891 4.0'	5.5	0.105	0.002	0.040	0.008	0.041	0.024	0.1	0.2	0.6	0.0	0.9
1892 4.0'	3.3	0.061	0.000	0.029	0.000	0.034	0.021	0.1	0.0	0.1	0.2	0.4
1893 4.0'	14.0	0.305	0.007	0.098	0.016	0.038	0.028	0.0	0.0	0.4	0.0	0.4
1894 4.0'	10.8	0.220	0.006	0.071	0.029	0.033	0.035	0.0	0.4	0.4	0.0	0.8
1895 4.0'	14.4	0.312	0.010	0.099	0.016	0.032	0.032	0.0	0.0	0.3	0.0	0.3
1896 4.0'	385.6	7.836	0.710	2.600	0.436	0.516	0.869	0.1	0.3	0.4	0.0	0.7
1897 3.5'	80.9	2.294	0.277	0.720	0.206	0.133	0.153	0.0	0.0	0.4	0.0	0.4
1898 4.0'	0.8	0.025	0.008	0.008	0.007	0.015	0.004	0.0	0.1	0.4	0.0	0.5
1899 4.0'	1.7	0.044	0.000	0.015	0.000	0.025	0.015	0.3	0.1	0.7	0.0	1.2
1900 4.0'	3.4	0.062	0.000	0.062	0.000	0.032	0.016	0.1	0.0	0.1	0.1	0.3
1901 4.0'	4.6	0.103	0.005	0.037	0.009	0.019	0.009	0.0	0.0	0.4	0.0	0.4
1902 4.0'	48.0	1.176	0.010	0.424	0.022	0.119	0.108	0.0	0.1	0.5	0.0	0.6
1903 4.0'	54.2	1.133	0.000	0.432	0.000	0.122	0.126	0.6	0.3	1.6	0.2	2.7
1904 4.0'	1.5	0.028	0.000	0.018	0.000	0.024	0.020	0.1	0.0	0.1	0.1	0.3
1905 4.0'	2.7	0.068	0.008	0.026	0.020	0.018	0.011	0.0	0.0	0.2	0.0	0.2
1906 4.0'	11.6	0.236	0.003	0.579	0.010	0.321	0.026	0.0	0.0	0.3	0.0	0.3
1907 4.0'	3.1	0.062	0.000	0.027	0.000	0.022	0.021	0.5	0.2	1.2	0.1	2.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1908 4.0'	55.7	0.625	0.275	0.219	0.197	0.054	0.088	0.0	0.0	0.4	0.0	0.4
1909 4.0'	75.8	2.828	0.236	1.086	0.153	0.265	0.353	0.0	0.0	0.3	0.0	0.3
1910 4.0'	3.1	0.068	0.013	0.026	0.010	0.013	0.024	0.1	0.0	0.2	0.0	0.3
1911 4.0'	1.8	0.071	0.024	0.031	0.025	0.024	0.015	0.0	0.0	0.3	0.0	0.3
1912 4.0'	2.0	0.069	0.041	0.030	0.027	0.018	0.012	0.1	0.0	0.4	0.0	0.5
1913 4.0'	2.4	0.076	0.013	0.027	0.014	0.028	0.007	0.0	0.0	0.3	0.0	0.3
1914 4.0'	1.2	0.037	0.002	0.008	0.010	0.017	0.005	0.1	0.0	0.3	0.0	0.4
1915 4.0'	0.7	0.027	0.005	0.010	0.016	0.026	0.010	0.0	0.0	0.3	0.0	0.3
1916 4.0'	5.0	0.107	0.003	0.033	0.008	0.016	0.016	0.1	0.0	0.3	0.0	0.4
1917 4.0'	0.3	0.016	0.005	0.012	0.018	0.020	0.012	0.0	0.0	0.4	0.0	0.4
1918 4.0'	1.7	0.048	0.004	0.014	0.018	0.021	0.005	0.1	0.0	0.4	0.0	0.5
1919 4.0'	0.4	0.010	0.004	0.008	0.011	0.015	0.009	0.0	0.0	0.3	0.0	0.3
1920 4.0'	7.4	0.226	0.005	0.077	0.018	0.032	0.026	0.0	0.0	0.4	0.0	0.4
1921 4.0'	3.0	0.068	0.010	0.023	0.024	0.019	0.005	0.0	0.0	0.3	0.0	0.3
1922 4.0'	4.4	0.124	0.006	0.049	0.014	0.036	0.021	0.0	0.0	0.3	0.0	0.3
1923 4.0'	26.6	0.508	0.187	0.184	0.014	0.057	0.049	0.0	0.0	0.3	0.0	0.3
1924 4.0'	2.7	0.046	0.000	0.021	0.000	0.011	0.009	0.3	0.3	0.6	0.0	1.2
1925 4.0'	22.3	0.611	0.012	0.193	0.011	0.061	0.059	0.0	0.0	0.5	0.0	0.5
1926 4.0'	17.4	0.221	0.084	0.078	0.071	0.026	0.022	0.0	0.0	0.3	0.0	0.3
1927 4.0'	4.2	0.031	0.000	0.027	0.000	0.011	0.010	0.0	0.1	0.3	0.0	0.5
1928 4.0'	7.9	0.581	0.019	0.257	0.025	0.224	0.156	0.0	0.0	0.3	0.0	0.3
1929 4.0'	1.4	0.053	0.006	0.019	0.018	0.017	0.016	0.0	0.0	0.3	0.0	0.3
1930 4.0'	2.4	0.068	0.005	0.018	0.011	0.015	0.011	0.0	0.0	0.3	0.0	0.3
1931 4.0'	4.3	0.032	0.000	0.031	0.000	0.018	0.026	0.4	0.0	0.3	0.0	0.7
1932 4.0'	85.9	0.350	0.000	0.110	0.000	0.032	0.026	0.6	0.4	0.3	0.0	1.4
1933 4.0'	0.8	0.016	0.000	0.015	0.000	0.023	0.009	0.4	0.2	0.5	0.0	1.1
1934 4.0'	0.5	0.368	0.000	0.011	0.000	0.019	0.010	0.2	0.0	0.4	0.5	1.1
1935 4.0'	2.9	0.061	0.000	0.030	0.000	0.023	0.020	0.1	0.0	0.2	0.0	0.3
1936 4.0'	0.7	0.023	0.012	0.013	0.010	0.010	0.003	0.0	0.0	0.3	0.0	0.3
1937 4.0'	3.0	0.030	0.012	0.020	0.015	0.030	0.007	0.1	0.0	0.3	0.0	0.4
1938 4.0'	0.9	0.021	0.007	0.013	0.006	0.017	0.009	0.0	0.0	0.2	0.0	0.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1939 4.0'	4.9	0.100	0.005	0.059	0.014	0.049	0.024	3.9	44.0	8.7	71.1	127.8
1940 4.0'	4.7	0.038	0.000	0.024	0.000	0.027	0.012	0.3	0.8	1.7	0.0	2.9
1941 4.0'	3.3	0.096	0.006	0.032	0.012	0.033	0.008	0.0	0.0	0.3	0.0	0.3
1942 4.0'	7.9	0.193	0.000	0.085	0.000	0.032	0.021	0.2	0.1	1.0	0.3	1.7
1943 4.0'	1.6	0.019	0.000	0.016	0.000	0.021	0.008	0.0	0.2	0.8	0.0	0.9
1944 4.0'	4.7	0.024	0.006	0.013	0.016	0.015	0.013	0.0	0.0	0.3	0.0	0.3
1945 4.0'	5.2	0.159	0.098	0.487	0.046	0.034	0.234	0.1	0.1	0.2	0.0	0.3
1946 4.0'	1,217.2	3.218	0.008	0.143	0.056	0.047	0.108	0.0	0.0	0.3	0.0	0.3
1947 4.0'	95.6	0.028	0.029	0.164	0.012	0.019	0.145	0.0	0.0	0.2	0.0	0.2
1948 4.0'	9.1	0.133	0.000	0.122	0.000	0.029	0.061	0.5	0.8	1.5	0.2	3.0
1949 4.0'	1.0	0.017	0.000	0.010	0.000	3.400	3.850	0.1	1.0	0.3	1.3	2.7
1950 4.0'	0.5	0.024	0.000	0.014	0.000	0.020	0.013	0.2	0.1	0.8	0.1	1.2
1951 4.0'	40.8	0.177	0.035	0.049	0.042	0.023	0.019	0.0	0.0	0.3	0.0	0.3
1952 4.0'	1.9	0.041	0.006	0.014	0.016	0.010	0.007	0.0	0.0	0.2	0.0	0.2
1953 4.0'	3.8	0.025	0.000	0.040	0.000	0.015	0.024	0.2	1.8	0.4	16.2	18.6
1954 4.0'	0.5	0.015	0.008	0.027	0.011	0.022	0.020	0.0	0.1	0.3	0.2	0.6
1955 3.5'	2.6	0.043	0.003	0.032	0.017	0.015	0.033	0.2	3.3	1.1	1.6	6.1
1956 4.0'	2.4	0.091	0.026	0.350	0.022	0.032	0.237	0.0	13.6	1.1	6.8	21.4
1957 4.0'	0.9	0.033	0.005	0.069	0.006	0.022	0.111	0.1	8.3	2.5	10.7	21.5
1958 4.0'	2.9	0.093	0.000	1.253	0.000	0.091	0.653	0.1	1.9	0.2	3.0	5.2
1959 4.0'	192.6	0.269	0.000	0.154	0.000	0.125	0.203	0.0	10.3	9.7	1.6	21.6
1960 4.0'	70,910.4	0.947	0.034	0.756	0.086	1.280	5.038	3.1	19.9	58.4	17.5	99.0
1961 4.0'	31,415.3	0.277	0.027	0.179	0.056	0.040	0.038	0.0	0.0	1.6	11.7	13.3
1962 4.0'	554.2	0.427	0.000	0.168	0.000	0.062	0.079	0.5	1.3	1.0	1.2	3.9
1963 4.0'	54,850.8	0.362	0.000	0.123	0.000	0.028	0.056	0.0	54.6	44.5	10.3	109.4
1964 4.0'	1.6	0.031	0.000	0.027	0.000	0.027	0.017	0.2	0.6	1.3	0.7	2.8
1965 4.0'	2.6	0.042	0.000	0.132	0.000	0.033	0.086	0.8	0.5	2.4	0.7	4.4
1966 4.0'	15.2	0.275	0.000	0.117	0.000	0.038	0.048	0.7	0.3	1.8	0.3	3.2
1967 4.0'	454.2	0.185	0.000	0.577	0.000	0.063	0.304	1.4	0.8	2.0	0.2	4.3
1968 4.0'	567.9	0.045	0.000	0.028	0.000	0.025	0.040	5.6	2.5	9.8	3.2	21.1
1969 4.0'	240,783.8	9.066	0.000	1.063	0.000	1.466	7.547	7.8	4.7	4.8	1.2	18.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
1970 4.0'	281,640.8	8.884	0.000	3.489	0.000	5.072	10.952	5.8	1.0	3.4	6.1	16.3
1971 4.0'	163,351.6	8.299	0.000	2.555	0.000	10.399	75.899	2,330.3	446.8	377.3	97.3	3,251.7
1972 4.0'	4,038.2	0.028	0.000	0.061	0.000	0.019	0.036	1.8	0.9	0.2	0.4	3.3
1973 4.0'	0.5	0.018	0.000	0.023	0.000	0.021	0.013	0.4	0.1	0.9	0.8	2.2
1974 4.0'	0.8	0.029	0.000	0.012	0.000	0.020	0.009	0.5	0.2	0.9	0.0	1.6
1975 4.0'	3.6	0.040	0.000	0.011	0.000	0.019	0.015	0.5	0.3	0.8	0.0	1.7
1976 4.0'	0.5	0.020	0.000	0.009	0.000	0.029	0.018	0.6	0.0	0.6	0.0	1.3
1977 4.0'	0.6	0.011	0.000	0.011	0.000	0.038	0.012	0.3	0.2	0.7	0.0	1.2
1978 4.0'	8,467.5	0.667	0.000	0.087	0.000	0.024	0.081	41.9	16.9	30.9	12.3	102.1
1979 4.0'	207,462.5	20.944	0.000	14.378	0.000	16.336	48.445	53.6	61.7	76.6	12.8	204.7
1980 4.0'	160.6	6.346	0.000	0.378	0.000	1.123	3.249	46.5	25.0	63.3	15.0	149.8
1981 4.0'	3.1	0.076	0.000	0.039	0.000	0.032	0.025	0.5	0.7	0.4	0.1	1.7
1982 4.0'	10.8	0.216	0.000	0.095	0.000	0.049	0.037	0.6	0.3	0.9	0.1	1.9
1983 4.0'	1.6	0.052	0.000	53.347	0.000	3.154	29.644	45.0	92.3	69.6	11.6	218.4
1984 4.0'	5.4	0.017	0.000	0.026	0.000	0.027	0.032	0.5	0.3	1.5	0.2	2.5
1985 4.0'	2.5	0.045	0.000	0.025	0.000	0.030	0.015	0.6	0.1	1.0	0.0	1.8
1986 4.0'	1.2	0.017	0.000	0.013	0.000	0.023	0.011	0.5	0.4	1.8	0.1	2.9
1987 4.0'	1.1	0.017	0.000	0.014	0.000	0.030	0.018	0.7	0.2	1.3	0.1	2.4
1988 4.0'	15.7	0.284	0.000	0.105	0.000	0.040	0.039	0.4	0.2	1.2	0.3	2.1
1989 4.0'	2.0	0.028	0.000	0.041	0.000	0.024	0.017	0.9	0.9	0.6	0.1	2.5
1990 4.0'	149,171.7	5.924	0.000	0.053	0.000	0.046	0.183	13.3	18.5	26.6	18.3	76.6
1991 4.0'	415,291.5	20.004	0.000	1.172	0.000	0.649	5.864	111.7	35.3	21.3	14.6	182.9
1992 4.0'	85,419.6	0.862	0.000	0.102	0.000	0.056	0.066	83.9	26.4	37.9	7.0	155.3
1993 4.0'	183,471.9	5.505	0.000	0.132	0.000	0.071	0.105	28.8	19.7	44.9	45.9	139.3
1994 4.0'	2.4	0.014	0.000	0.020	0.000	0.024	0.013	44.9	0.0	1.0	0.5	46.4
1995 4.0'	157.4	0.030	0.000	0.023	0.000	0.029	0.013	0.0	0.0	17.6	5.3	22.9
1996 4.0'	0.6	0.019	0.000	0.010	0.000	0.020	0.012	5.5	0.1	0.7	0.9	7.1
1997 4.0'	1.4	0.048	0.000	0.032	0.000	0.024	0.012	5.4	0.0	1.0	0.1	6.4
1998 4.0'	0.9	0.047	0.000	0.011	0.000	0.023	0.011	6.6	0.2	1.5	1.1	9.4
1999 4.0'	4.8	0.032	0.000	0.055	0.000	0.029	0.021	4.1	0.0	0.7	0.0	4.8
2000 4.0'	3.8	0.111	0.000	0.122	0.000	0.051	0.038	5.8	0.0	1.1	0.1	6.9



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2001 4.0'	1.2	0.017	0.006	1.362	0.009	0.194	0.710	4.0	1.1	1.9	0.9	7.9
2002 4.0'	1.0	0.020	0.000	1.294	0.000	0.217	0.634	2.6	0.3	0.8	0.6	4.3
2003 4.0'	1.3	0.020	0.000	0.165	0.000	0.059	0.086	0.0	0.0	0.4	0.0	0.4
2004 4.0'	0.6	0.015	0.034	0.026	0.013	0.243	0.011	0.0	0.0	0.8	0.0	0.8
2005 4.0'	9.5	0.022	0.000	0.026	0.000	0.029	0.017	2.6	0.5	1.7	2.2	7.0
2006 4.0'	1.0	0.037	0.000	0.023	0.000	0.034	0.014	2.0	0.3	1.8	0.1	4.2
2007 4.0'	1.1	0.016	0.000	0.550	0.000	0.048	0.027	0.0	1.4	1.9	0.1	3.4
2008 4.0'	1.1	0.024	0.000	0.021	0.000	0.024	0.012	1.9	0.3	1.1	0.7	4.0
2009 4.0'	1.6	0.034	0.000	0.034	0.000	0.027	0.012	1.0	0.1	0.9	0.0	2.1
2010 4.0'	1.3	0.023	0.000	0.014	0.000	0.045	0.013	1.5	0.5	2.2	0.5	4.6
2011 4.0'	2.2	0.054	0.000	0.018	0.000	0.040	0.017	0.4	1.3	1.4	0.8	3.9
2012 4.0'	1.6	0.033	0.000	0.018	0.000	0.028	0.011	1.9	0.4	1.7	2.5	6.6
2013 4.0'	0.9	0.048	0.000	0.008	0.000	0.029	0.015	1.5	0.4	1.8	2.9	6.7
2014 4.0'	6.0	0.168	0.000	0.086	0.000	0.039	0.037	0.9	0.3	1.3	0.0	2.4
2015 4.0'	4.7	0.087	0.002	0.055	0.006	0.075	0.014	0.0	0.0	1.2	0.0	1.2
2016 4.0'	3.8	0.068	0.005	0.031	0.008	0.036	0.014	2.5	2.0	0.9	0.0	5.4
2017 4.0'	1.6	0.031	0.000	0.036	0.000	0.032	0.014	1.7	1.4	0.0	1.5	4.6
2018 4.0'	15.1	0.399	0.000	0.124	0.000	0.055	0.039	0.2	0.1	0.3	0.1	0.7
2019 4.0'	4.7	0.105	0.000	0.053	0.000	0.032	0.015	1.1	1.4	0.4	1.1	3.9
2020 4.0'	0.8	0.041	0.000	0.092	0.000	0.056	0.021	0.5	2.3	0.2	0.2	3.1
2021 4.0'	7.9	0.143	0.003	0.060	0.016	0.043	0.018	0.0	0.0	0.8	0.0	0.8
2022 4.0'	4.8	0.088	0.005	0.033	0.013	0.042	0.016	1.8	1.9	1.0	0.0	4.7
2023 4.0'	2.6	0.017	0.000	0.114	0.000	0.042	0.137	11.6	6.3	5.2	0.6	23.8
2024 4.0'	36.8	0.038	0.000	0.052	0.000	0.037	0.031	2.3	1.4	0.0	0.1	3.8
2025 4.0'	0.6	0.026	0.000	0.057	0.000	0.041	0.018	0.0	0.0	0.6	0.0	0.6
2026 4.0'	172.4	0.015	0.000	0.024	0.000	0.041	0.023	0.6	2.2	2.0	0.3	5.1
2027 4.0'	3.2	0.022	0.007	0.109	0.013	0.101	0.021	1.9	1.9	1.2	0.0	5.0
2028 4.0'	0.6	0.027	0.000	0.026	0.000	0.056	0.021	0.7	0.3	2.0	0.1	3.2
2029 4.0'	1.1	0.031	0.000	0.022	0.000	0.044	0.020	0.8	0.9	1.9	0.0	3.7
2030 4.0'	0.4	0.004	0.005	0.009	0.007	0.093	0.004	1.9	2.4	1.4	0.0	5.7
2031 4.0'	0.4	0.015	0.000	0.032	0.000	0.051	0.016	0.8	0.3	1.5	0.2	2.8





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2032 4.0'	0.5	0.050	0.000	0.196	0.000	0.035	0.056	0.6	0.9	2.5	0.6	4.7
2033 4.0'	959.3	0.199	0.004	0.347	0.012	0.148	0.089	0.0	0.0	0.8	0.0	0.8
2034 4.0'	81.4	0.048	0.021	0.044	0.022	0.094	0.018	0.9	1.3	0.6	0.0	2.8
2035 4.0'	0.7	0.009	0.003	0.008	0.007	0.025	0.005	0.5	1.1	0.5	0.0	2.1
2036 4.0'	0.9	0.013	0.000	0.026	0.000	0.018	0.014	0.7	0.4	2.1	0.3	3.5
2037 2.0'	1.4	0.032	0.000	0.017	0.000	0.031	0.023	0.2	0.3	0.6	0.0	1.2
2038 3.0'	0.9	0.022	0.007	0.047	0.012	0.024	0.021	1.3	1.6	0.4	0.0	3.4
2039 3.0'	0.3	0.010	0.000	0.013	0.000	0.028	0.009	0.4	0.8	1.2	0.1	2.5
2040 4.0'	0.5	0.029	0.000	0.037	0.000	0.026	0.021	0.6	0.9	1.3	0.1	2.8
2041 4.0'	0.4	0.028	0.000	0.013	0.000	0.022	0.013	0.3	0.7	1.0	0.0	2.1
2042 4.0'	0.6	0.006	0.006	0.014	0.005	0.016	0.004	0.7	1.5	0.6	0.0	2.7
2043 4.0'	0.4	0.012	0.000	0.008	0.000	0.016	0.008	0.1	0.6	0.7	0.0	1.4
2044 4.0'	28.1	0.122	0.000	0.093	0.000	0.099	0.015	0.1	0.1	0.1	0.1	0.3
2045 4.0'	0.8	0.011	0.005	0.012	0.008	0.024	0.008	0.1	0.0	0.3	0.0	0.4
2046 4.0'	1.7	0.045	0.007	0.024	0.009	0.026	0.009	0.0	0.0	0.7	0.0	0.7
2047 4.0'	1.9	0.035	0.004	0.016	0.009	0.028	0.010	0.2	0.0	0.6	0.0	0.7
2048 4.0'	3.7	0.084	0.008	0.042	0.013	0.027	0.020	0.1	0.0	0.5	0.0	0.6
2049 4.0'	2.0	0.044	0.006	0.126	0.017	0.075	0.019	0.5	0.0	0.6	0.0	1.1
2050 4.0'	2.2	0.058	0.006	0.020	0.008	0.022	0.007	0.0	0.0	0.6	0.0	0.6
2051 4.0'	1.3	0.017	0.000	0.028	0.000	0.044	0.008	0.4	0.7	1.0	0.1	2.1
2052 4.0'	1.5	0.038	0.003	0.016	0.010	0.027	0.012	0.0	0.0	0.7	0.0	0.7
2053 2.0'	66.0	0.067	0.007	0.056	0.018	0.037	0.006	0.0	0.3	0.8	0.0	1.1
2054 3.0'	19.7	0.023	0.003	0.014	0.009	0.024	0.006	0.1	0.0	0.6	0.0	0.7
2055 3.0'	3.1	0.022	0.004	0.011	0.005	0.028	0.008	0.0	0.0	0.7	0.0	0.7
2056 3.0'	1.7	0.037	0.004	0.013	0.010	0.035	0.004	0.2	0.0	0.6	0.0	0.8
2057 3.0'	1.3	0.026	0.004	0.016	0.006	0.023	0.008	0.0	0.0	0.6	0.0	0.6
2058 3.0'	1.3	0.022	0.003	0.011	0.010	0.023	0.007	0.2	0.0	0.6	0.0	0.8
2059 3.0'	1.3	0.037	0.007	0.014	0.009	0.039	0.007	0.0	0.0	0.7	0.0	0.7
2060 3.0'	1.9	0.038	0.006	0.050	0.008	0.040	0.013	0.1	0.0	0.7	0.0	0.9
2061 3.0'	1.5	0.039	0.003	0.066	0.007	0.045	0.017	0.0	0.0	0.8	0.0	0.8
2062 3.0'	1.9	0.037	0.005	0.014	0.009	0.019	0.003	0.2	0.0	0.5	0.0	0.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2063 4.0'	3.1	0.080	0.005	0.044	0.019	0.028	0.019	0.0	0.0	0.6	0.0	0.6
2064 4.0'	13.6	0.294	0.002	0.162	0.007	0.042	0.060	0.0	0.0	0.7	0.0	0.7
2065 4.0'	3.7	0.060	0.000	0.024	0.000	0.021	0.027	1.5	0.3	0.9	0.0	2.7
2066 4.0'	2.1	0.054	0.006	0.028	0.013	0.032	0.000	0.0	0.0	0.8	0.0	0.8
2067 4.0'	2.2	0.049	0.002	0.018	0.007	0.021	0.015	0.2	0.0	0.6	0.0	0.8
2068 4.0'	2.7	0.059	0.004	0.031	0.006	0.026	0.012	0.1	0.0	0.4	0.0	0.5
2069 4.0'	2.2	0.042	0.000	0.016	0.000	0.019	0.015	0.3	0.4	0.8	0.0	1.5
2070 4.0'	0.9	0.019	0.000	0.016	0.000	0.018	0.007	0.0	0.0	0.5	0.0	0.5
2071 4.0'	12,255.4	0.225	0.000	0.280	0.069	0.130	0.051	0.0	0.0	0.0	0.0	0.0
2072 4.0'	5.6	0.019	0.004	0.014	0.007	0.027	0.007	0.2	0.0	0.6	0.6	1.4
2073 4.0'	2.1	0.062	0.027	0.098	0.028	0.022	0.027	0.0	0.0	0.5	0.0	0.5
2074 4.0'	4.0	0.170	0.112	0.055	0.061	0.035	0.019	0.0	0.0	0.6	0.0	0.6
2075 4.0'	13.6	8.000	0.070	0.070	0.047	0.029	0.023	0.4	1.0	0.8	0.0	2.2
2076 4.0'	3.4	0.057	0.000	0.203	0.000	0.052	0.107	0.9	0.5	0.9	0.3	2.6
2077 4.0'	0.8	0.023	0.000	0.073	0.000	0.041	0.044	0.3	0.2	0.5	0.0	1.0
2078 4.0'	3,129.6	0.099	0.000	0.337	0.014	0.153	0.134	0.0	0.0	0.6	0.0	0.6
2079 4.0'	3.3	0.009	0.003	0.113	0.013	0.176	0.066	0.0	0.0	0.0	0.0	0.0
2080 4.0'	24,769.2	0.485	0.021	0.269	0.080	0.234	0.231	2.3	1.5	0.1	0.0	4.0
2081 4.0'	2.1	0.017	0.008	0.069	0.015	0.069	0.015	0.1	0.0	0.9	0.0	1.0
2082 4.0'	214.5	0.045	0.000	0.113	0.000	0.044	0.029	0.0	0.3	0.3	0.0	0.6
2083 1.5'	294.2	1.582	0.000	1.107	0.000	0.585	0.694	0.0	0.0	9.0	1.0	10.0
2084 2.0'	3.5	0.005	0.004	0.107	0.013	0.370	0.020	0.0	0.1	0.0	0.0	0.1
2085 4.0'	4.2	0.094	0.028	2.346	0.021	0.144	1.352	0.0	0.4	0.6	0.0	1.0
2086 4.0'	1.3	0.022	0.006	0.044	0.013	0.016	0.007	0.2	0.8	0.8	0.0	1.7
2087 4.0'	6.9	0.017	0.006	0.108	0.013	0.056	0.042	0.2	0.0	0.6	0.0	0.8
2088 3.0'	883.2	0.176	0.016	0.284	0.055	0.255	0.232	0.0	0.3	0.3	0.0	0.6
2089 2.0'	433,986.0	40.657	0.000	1.508	0.000	4.708	5.028	12.4	31.5	26.0	2.2	72.1
2090 2.0'	838.1	0.121	0.000	0.110	0.007	0.148	0.025	0.0	0.0	0.5	0.0	0.5
2091 3.5'	3.6	0.045	0.004	0.189	0.008	0.042	0.028	0.0	1.9	0.9	0.0	2.9
2092 3.5'	176.6	0.032	0.000	4.691	0.000	0.303	1.030	0.0	2.2	4.2	0.3	6.7
2093 2.0'	181,757.5	33.438	0.000	0.716	0.000	1.077	1.065	29.8	36.6	56.3	39.3	162.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2094 4.0'	11.0	0.173	0.000	0.057	0.000	0.099	0.029	26.1	2.3	3.7	0.4	32.6
2095 3.5'	68.0	0.899	0.000	0.298	0.000	0.162	0.084	4.5	0.3	1.8	0.1	6.7
2096 4.0'	47.2	1.298	0.163	0.546	0.116	0.127	0.184	0.1	0.8	0.8	0.0	1.7
2097 4.0'	7.4	0.192	0.012	0.076	0.020	0.120	0.018	0.3	0.0	0.8	0.0	1.1
2098 4.0'	1.8	0.037	0.007	0.019	0.015	0.028	0.007	0.2	0.6	0.8	0.0	1.6
2099 4.0'	23.8	0.145	0.003	0.052	0.005	0.098	0.012	0.2	0.6	0.7	0.0	1.5
2100 4.0'	456.1	0.032	0.000	0.022	0.014	0.109	0.008	0.0	0.0	0.4	0.0	0.4
2101 4.0'	15.1	0.263	0.000	0.106	0.000	0.042	0.022	2.0	0.3	1.5	0.1	3.8
2102 4.0'	6.8	0.117	0.000	0.050	0.000	0.034	0.027	0.7	1.3	1.6	0.5	4.0
2103 4.0'	11.3	0.274	0.006	0.105	0.016	0.045	0.034	0.0	0.0	0.5	0.0	0.5
2104 4.0'	16.8	0.394	0.016	0.151	0.018	0.055	0.049	0.1	0.1	0.5	0.0	0.7
2105 4.0'	112.1	7.312	0.177	3.643	0.167	0.887	1.077	0.0	0.2	0.3	0.0	0.5
2106 4.0'	67.1	1.404	0.000	0.535	0.000	0.134	0.149	0.2	0.6	0.5	0.0	1.3
2107 4.0'	28.8	0.735	0.000	0.371	0.000	0.119	0.151	0.6	1.0	0.6	0.1	2.3
2108 4.0'	30.5	0.783	0.000	0.482	0.000	0.093	0.229	0.4	1.8	0.9	0.0	3.2
2109 4.0'	34.7	1.229	0.000	0.505	0.000	0.143	0.165	0.6	3.8	0.3	0.0	4.7
2110 4.0'	43.6	0.913	0.000	0.373	0.000	0.106	0.026	0.3	1.2	0.9	0.0	2.4
2111 4.0'	80.2	2.024	0.000	0.925	0.000	0.210	0.311	0.8	1.0	1.0	0.0	2.9
2112 4.0'	5.8	0.117	0.009	0.047	0.012	0.023	0.014	0.2	0.9	0.5	0.0	1.6
2113 4.0'	20.5	0.579	0.032	0.216	0.027	0.078	0.071	0.0	0.0	0.4	0.0	0.4
2114 4.0'	90.2	0.316	0.053	0.132	0.041	0.045	0.047	0.1	0.7	0.5	0.0	1.3
2115 4.0'	7,802.7	3.551	0.000	0.930	0.000	0.214	0.275	0.1	0.0	0.2	0.0	0.3
2116 1.5'	1,288.9	0.283	0.090	0.147	0.067	0.044	0.054	0.0	0.0	0.4	0.0	0.5
2117 4.0'	12.9	0.287	0.000	0.115	0.000	0.041	0.028	0.8	0.1	0.4	0.0	1.3
2118 4.0'	1.2	0.015	0.000	0.015	0.000	0.024	0.014	0.2	0.4	0.8	0.0	1.5
2119 4.0'	26.2	0.703	0.046	0.284	0.036	0.064	0.090	0.3	1.2	0.7	0.0	2.2
2120 4.0'	12,559.8	0.327	0.021	0.207	0.016	0.065	0.074	0.0	0.0	0.4	0.0	0.4
2121 4.0'	0.9	0.021	0.008	0.179	0.008	0.038	0.089	0.0	0.0	0.4	0.0	0.4
2122 4.0'	1.5	0.015	0.000	0.025	0.000	0.038	0.012	0.3	0.8	0.6	0.6	2.4
2123 4.0'	3,466.2	1.491	0.111	1.204	0.467	0.174	0.312	0.0	0.0	0.4	0.0	0.4
2124 4.0'	297.3	0.045	0.000	2.067	0.000	0.275	0.788	0.6	1.0	1.0	0.1	2.7



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2125 4.0'	763.7	0.195	0.065	0.327	0.090	0.150	0.118	0.0	0.0	0.1	0.0	0.1
2126 4.0'	39,887.6	69.501	2.696	0.260	0.002	0.122	0.662	9.4	3.0	3.3	0.1	15.8
2127 4.0'	4,238.0	0.469	0.085	1.237	0.170	0.180	0.450	0.0	0.1	0.5	0.0	0.6
2128 4.0'	20,802.7	1.842	0.000	1.274	0.000	0.152	0.228	1.4	1.6	1.0	0.0	3.9
2129 4.0'	6.1	0.073	0.007	0.045	0.008	0.032	0.014	0.3	0.0	0.7	0.0	1.0
2130 4.0'	204.0	0.095	0.000	0.242	0.000	0.163	0.094	0.1	0.1	0.1	0.0	0.3
2131 4.0'	18,817.8	8.266	0.038	0.186	0.011	0.206	0.412	0.0	0.0	0.7	0.0	0.7
2132 4.0'	11,158.8	0.657	0.017	0.254	0.018	0.074	0.089	0.0	0.0	0.5	0.0	0.5
2133 4.0'	22,618.5	3.517	0.000	61.682	0.000	7.820	13.364	1.1	0.4	1.0	0.3	2.7
2134 2.0'	78.0	1.844	0.783	0.765	0.512	0.144	0.262	0.4	0.1	0.4	0.0	0.9
2135 4.0'	28.2	0.438	0.000	0.198	0.000	0.055	0.067	0.0	0.0	0.4	0.0	0.4
2136 4.0'	9.1	0.037	0.003	0.025	0.007	0.022	0.012	0.2	0.0	0.7	0.0	0.9
2137 4.0'	156.4	0.028	0.000	0.038	0.000	0.052	0.009	0.2	0.4	0.7	0.0	1.2
2138 4.0'	11,159.7	0.268	0.000	0.161	0.073	0.052	0.060	0.0	0.0	0.5	0.0	0.6
2139 4.0'	1,262.3	0.244	0.000	0.247	0.000	0.085	0.101	1.5	1.3	1.6	0.0	4.5
2140 4.0'	1.9	0.053	0.012	0.022	0.009	0.030	0.017	0.4	0.8	0.6	0.0	1.7
2141 4.0'	4,385.2	1.345	0.000	0.455	0.000	0.114	0.143	1.7	1.4	1.1	0.0	4.1
2142 4.0'	43,879.6	0.726	0.150	0.610	0.151	0.303	0.231	0.2	0.0	0.0	0.0	0.2
2143 4.0'	2,545.2	0.389	0.000	0.218	0.000	0.066	0.078	2.0	0.0	0.6	0.1	2.6
2144 4.0'	2.1	0.066	0.000	0.014	0.000	0.042	0.019	0.6	0.4	1.0	0.3	2.4
2145 4.0'	5,465.2	0.613	0.000	0.266	0.000	0.095	0.177	0.2	0.1	0.5	0.0	0.7
2146 4.0'	23.8	0.863	0.196	0.391	0.155	0.091	0.159	0.3	0.7	0.6	0.0	1.6
2147 4.0'	199.4	5.632	0.000	2.194	0.000	0.546	0.688	1.3	1.9	2.2	0.2	5.6
2148 2.0'	126.9	3.209	0.406	1.187	0.349	0.277	0.414	0.2	0.8	0.8	0.0	1.8
2149 4.0'	7.9	0.223	0.033	0.364	0.026	0.062	0.319	0.4	2.7	1.4	13.1	17.6
2150 4.0'	3.3	0.068	0.007	0.033	0.010	0.033	0.021	0.3	0.7	0.8	1.1	2.9
2151 4.0'	33.7	0.804	0.000	0.303	0.000	0.094	0.080	0.4	0.6	1.0	0.0	2.2
2152 4.0'	6.5	0.099	0.000	19.845	0.702	0.625	0.349	0.4	0.5	0.8	1.2	2.9
2153 4.0'	6.7	0.162	0.001	0.066	0.010	0.038	0.026	0.1	0.0	0.6	0.0	0.7
2154 4.0'	7.9	0.147	0.000	0.401	0.000	0.051	0.224	0.3	1.1	1.6	0.2	3.1
2155 4.0'	7.4	0.182	0.000	0.056	0.000	0.041	0.036	0.5	0.6	1.1	0.0	2.3



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2156 4.0'	15.0	0.357	0.072	0.176	0.049	0.039	0.066	0.1	0.0	0.6	0.0	0.7
2157 4.0'	4.2	0.123	0.030	0.084	0.029	0.032	0.051	0.1	0.0	0.5	0.0	0.6
2158 4.0'	5.5	0.193	0.027	0.096	0.029	0.028	0.056	0.4	0.5	0.5	0.0	1.5
2159 4.0'	6,617.4	0.156	0.000	0.100	0.000	0.038	0.047	0.0	1.2	4.1	2.4	7.8
2160 4.0'	3.8	0.087	0.000	0.040	0.000	0.031	0.022	0.3	0.3	0.7	0.0	1.3
2161 4.0'	1.7	0.034	0.003	0.014	0.003	0.020	0.007	0.2	0.4	0.6	0.0	1.2
2162 4.0'	3.3	0.080	0.001	0.035	0.003	0.031	0.011	0.0	0.0	0.5	0.0	0.6
2163 4.0'	5.0	0.104	0.001	0.125	0.008	0.032	0.067	0.0	0.1	0.6	0.4	1.1
2164 4.0'	13.5	0.357	0.078	0.174	0.067	0.057	0.065	0.1	0.0	0.6	0.0	0.6
2165 4.0'	14.6	0.310	0.002	0.107	0.008	0.046	0.032	0.0	0.0	0.6	0.0	0.6
2166 4.0'	26.1	0.422	0.000	0.167	0.000	0.073	0.042	0.2	0.4	0.8	0.2	1.6
2167 4.0'	1.8	0.033	0.000	1.234	0.000	0.234	0.647	0.5	0.4	0.6	3.3	4.8
2168 4.0'	12.5	0.265	0.003	0.087	0.009	0.034	0.029	0.1	0.0	0.6	0.0	0.7
2169 4.0'	13.7	0.360	0.040	0.144	0.027	0.053	0.058	0.0	0.0	0.7	0.0	0.8
2170 4.0'	3.3	0.069	0.004	0.030	0.008	0.027	0.006	0.2	0.4	0.4	0.0	1.1
2171 4.0'	1.4	0.026	0.008	0.011	0.008	0.030	0.007	0.0	0.0	0.3	0.0	0.3
2172 4.0'	3,549.1	29.018	0.000	6.734	0.000	13.418	63.184	408.7	23.8	57.4	16.8	506.7
2173 2.5'	31,440.2	32.780	0.682	2.812	0.500	2.607	0.691	0.7	1.0	1.4	0.0	3.1
2174 2.5'	9,394.7	6.429	0.460	3.085	0.391	54.919	273.670	530.9	165.2	22.0	0.0	718.1
2175 4.0'	2,559.8	1.625	0.000	0.529	0.000	8.668	45.351	275.4	4.7	9.3	2.2	291.6
2176 4.0'	78.1	0.608	0.000	0.181	0.000	0.055	0.057	0.8	0.7	1.1	0.0	2.6
2177 2.5'	376.9	11.558	1.421	4.196	0.845	0.931	1.135	0.5	1.3	1.0	0.0	2.8
2178 2.5'	168.7	1.111	0.000	0.348	0.000	0.141	0.137	210.5	296.5	115.5	23.1	645.6
2179 4.0'	75,317.8	17.654	0.040	3.040	0.000	220.510	1.137	282.3	437.9	12.8	0.0	733.0
2180 4.0'	12,949.1	9.132	2.734	3.839	1.752	14.163	93.928	212.5	100.5	5.6	0.0	318.6
2181 2.5'	18,570.2	8.533	0.000	0.371	0.000	0.183	0.246	32.9	13.1	0.0	0.9	46.9
2182 4.0'	175,109.0	23.426	0.172	3.051	0.000	5.655	29.663	29.8	28.9	0.7	0.0	59.4
2183 2.5'	3,177.8	4.689	0.547	1.803	0.308	0.409	0.514	0.0	0.1	1.4	0.0	1.5
2184 4.0'	184,030.1	17.664	0.000	1.927	0.000	1.366	3.538	15.8	11.1	6.5	4.1	37.5
2185 4.0'	87,728.6	11.467	0.000	0.468	0.000	2.213	5.725	98.3	9.0	15.4	1.1	123.8
2186 4.0'	7,564.9	0.619	0.114	0.190	0.100	0.235	0.959	2.7	0.8	0.8	0.0	4.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2187 3.0'	7.9	0.278	0.198	0.106	0.121	0.029	0.041	1.0	1.2	0.7	0.0	2.8
2188 4.3'	69.2	1.006	1.967	0.358	1.119	0.081	0.142	0.2	0.0	0.5	0.0	0.7
2189 2.5'	51,769.5	23.958	0.229	2.102	0.181	31.907	3.407	0.9	0.5	0.6	0.0	2.0
2190 4.0'	25,920.6	354.228	0.000	8.245	0.000	104.202	1,004.814	36,955.3	6,413.0	451.8	62.6	43,882.7
2191 4.0'	304,860.2	113.579	0.000	0.028	0.000	2.284	37.212	18,828.4	3,208.5	443.3	54.9	22,535.2
2192 4.0'	165,628.5	36.536	0.000	0.906	0.000	2.288	6.033	833.8	126.6	7.4	5.7	973.5
2193 4.0'	145,834.5	59.295	0.291	23.663	0.780	238.130	1,080.600	445.3	332.1	9.3	0.0	786.7
2194 4.0'	45,929.2	6.433	0.498	0.814	0.187	2.438	8.711	115.8	158.2	13.6	0.0	287.6
2195 4.0'	65,262.7	6.943	0.000	0.741	0.000	2.294	21.111	292.6	36.4	4.6	0.5	334.1
2196 4.0'	316,690.3	24.705	0.000	0.048	0.000	1.328	45.627	126.1	14.5	389.6	33.4	563.5
2197 4.0'	4.9	1.251	0.000	0.544	0.000	0.124	0.301	20.2	34.7	22.3	0.0	77.2
2198 4.0'	5,297.9	2.823	0.000	0.849	0.000	0.378	0.624	8.5	1.2	3.5	0.4	13.6
2199 4.0'	302,255.8	22.397	0.000	0.034	0.000	0.608	14.303	11,208.5	2,180.6	392.5	155.2	13,936.8
2200 4.0'	23,370.1	2.800	0.470	0.420	0.255	0.085	0.158	117.4	142.2	47.2	3.3	310.0
2201 4.0'	175,756.0	106.340	0.000	1.372	0.000	0.471	2.100	2,727.5	1,427.6	214.6	26.8	4,396.6
2202 4.0'	111.5	0.374	0.028	0.011	0.006	0.020	0.022	18.0	27.8	15.8	0.0	61.6
2203 4.0'	153.8	1.432	0.117	0.551	0.079	0.141	0.139	0.2	0.9	1.2	0.0	2.3
2204 4.0'	90,307.2	42.768	0.000	0.503	0.000	0.156	0.546	176.1	84.5	15.9	3.0	279.6
2205 4.0'	235,081.2	27.553	0.000	0.168	0.000	0.384	14.413	13,608.6	3,067.0	614.8	167.7	17,458.1
2207 4.0'	321,507.0	50.463	0.644	1.891	0.000	2.886	199.880	31,037.0	10,466.1	680.8	0.0	42,183.9
2208 4.0'	398,952.0	160.676	6.351	3.167	0.000	189.130	3,536.900	2,668.3	1,350.8	194.7	7.2	4,221.0
2209 4.0'	152,508.0	58.771	4.702	4.951	1.885	105.610	1,949.100	3,451.1	1,303.4	278.5	81.1	5,114.0
2210 4.0'	9,948.0	5.567	0.524	0.937	0.190	6.555	132.350	834.4	730.0	541.8	111.5	2,217.8
2211 4.0'	462,357.6	29.625	0.165	0.183	0.239	2.444	51.706	2,230.3	1,542.7	185.0	23.3	3,981.3
2212 4.0'	341,046.3	132.315	0.000	6.161	0.000	228.025	3,379.430	12,972.2	1,454.4	253.4	11.7	14,691.7
2213 4.0'	314,345.0	148.364	0.000	5.194	0.000	192.723	3,344.606	24,335.3	6,516.2	663.4	51.4	31,566.3
2214 4.0'	360,681.0	114.581	2.953	3.109	2.990	134.140	2,340.700	4,027.6	1,428.8	247.1	22.2	5,725.7
2215 4.0'	562,427.6	30.201	0.000	0.391	0.000	42.560	859.342	3,902.6	905.0	435.3	8.0	5,251.0
2216 4.0'	13,539.0	192.360	0.000	0.023	0.000	3.667	83.432	2,492.7	930.6	255.6	0.0	3,678.9
2217 4.0'	1,634.8	4.721	0.107	0.007	0.016	0.095	2.330	488.4	361.8	36.4	4.6	891.2
2218 4.0'	368,855.0	49.520	1.460	0.163	4.112	87.650	1,991.000	31,579.4	9,604.5	593.3	0.0	41,777.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2219 4.0'	248,280.0	233.628	2.828	6.667	4.548	170.600	2,679.600	24,317.3	6,047.0	627.0	140.1	31,131.4
2220 4.0'	3,521.1	0.938	0.000	0.375	0.060	0.547	14.875	1,778.3	1,555.3	22.0	0.0	3,355.6
2221 4.0'	251,781.0	156.800	0.387	1.212	1.474	65.640	1,744.100	26,112.6	6,052.3	392.9	56.2	32,614.0
2222 4.0'	5,163.3	5.050	0.191	0.385	0.012	5.686	107.820	2,257.7	1,191.9	314.1	52.8	3,816.5
2223 4.0'	82,934.0	20.301	2.250	2.437	0.000	25.407	619.330	9,871.9	3,751.6	784.4	235.0	14,642.9
2224 4.0'	64,820.0	47.382	0.783	2.292	0.000	52.461	747.070	5,770.0	2,116.3	514.3	162.4	8,563.0
2225 4.0'	280,169.0	29.967	2.522	1.912	0.000	81.974	916.430	1,629.9	715.8	91.6	9.4	2,446.6
2226 4.0'	392,663.0	77.750	0.000	4.282	0.000	120.156	2,387.459	248.5	138.2	280.0	29.6	696.3
2227 4.0'	439,245.0	156.295	0.819	4.406	0.187	78.662	931.240	3,696.5	1,078.7	192.7	17.4	4,985.4
2228 4.0'	385,766.0	52.350	0.109	5.585	3.835	148.440	2,457.500	17,894.8	4,829.9	174.1	24.5	22,923.3
2229 4.0'	2,107.1	0.691	0.000	0.199	0.000	0.775	0.142	15.7	1.4	5.2	40.0	62.3
2230 4.0'	13,619.8	24.145	0.000	5.845	0.000	80.384	811.155	1,830.0	504.7	187.5	96.8	2,618.9
2231 4.0'	86,120.8	63.452	0.000	19.716	0.000	292.419	2,387.459	12,135.0	4,976.4	785.4	13.1	17,910.0
2232 4.0'	188,837.1	58.071	0.000	193.026	0.000	835.388	2,082.092	14,796.5	1,066.6	98.8	8.8	15,970.8
2233 4.0'	212,130.0	291.400	4.962	40.134	4.014	240.810	3,601.200	14,285.3	4,033.8	655.7	10.2	18,985.0
2234 4.0'	371,619.8	429.538	0.000	26.790	0.000	445.916	6,922.657	3,674.5	599.0	297.5	119.4	4,690.4
2235 4.0'	429,742.1	160.208	0.000	21.113	0.000	321.764	3,023.465	2,492.0	1,383.4	361.2	15.2	4,251.9
2236 4.0'	114,444.0	413.744	18.410	313.090	0.000	1,190.900	8,504.000	31,698.7	7,153.1	513.7	115.5	39,480.9
2237 4.0'	133,896.5	282.093	0.000	95.185	0.000	1,232.816	6,679.074	2,940.0	1,318.2	217.2	44.9	4,520.4
2238 4.0'	20,265.0	60.316	0.941	14.110	0.157	24.650	323.520	1,082.2	548.4	181.8	44.1	1,856.5
2239 4.0'	3,497.4	2.257	0.000	0.016	0.000	0.028	0.325	36.3	0.0	0.0	0.0	36.3
2240 4.0'	19,961.7	1.459	0.000	0.032	0.000	0.044	0.041	16,988.8	3,443.2	489.7	52.2	20,974.0
2241 4.0'	366,003.0	34.037	13.699	0.163	0.000	1.885	6.431	2,751.7	3,125.4	250.9	0.0	6,128.0
2242 4.0'	1,200.6	0.851	0.242	0.270	0.052	0.111	0.383	0.0	0.0	0.0	0.0	0.0
2243 4.0'	10,509.5	1.246	0.000	0.754	0.000	0.139	0.668	188.4	62.2	18.0	0.4	268.9
2244 4.0'	50,280.1	16.481	5.937	1.647	0.844	0.382	12.035	1,630.3	691.2	66.5	0.0	2,388.1
2245 4.0'	117,993.0	16.788	0.336	16.788	0.000	0.077	1.516	294.7	729.8	29.5	0.0	1,054.1
2246 4.0'	18,688.8	11.836	34.219	2.252	0.297	0.689	4.056	179.5	193.5	1.3	0.0	374.4
2247 4.0'	4,329.2	3.177	0.580	0.845	0.287	0.149	0.693	74.8	78.7	0.0	0.0	153.4
2248 4.0'	2,924.9	4.705	0.088	2.017	0.058	0.435	0.657	1.1	0.8	0.6	0.0	2.5
2249 4.0'	94,358.8	17.468	0.261	0.552	0.146	0.226	1.119	748.9	1,287.5	220.0	11.3	2,267.7



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7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2250 4.0'	114,679.1	6.187	0.000	0.543	0.000	0.178	0.973	12.5	4.0	0.0	0.0	16.6
2251 4.0'	114.3	0.344	0.032	0.082	0.035	0.048	0.032	0.0	0.2	0.6	0.0	0.7
2252 4.0'	6,868.4	4.100	0.000	1.444	0.000	0.336	0.515	0.9	5.3	0.8	0.0	7.0
2253 4.0'	22,362.5	1.647	0.131	0.345	0.085	0.083	0.435	66.0	108.0	1.1	0.0	175.1
2254 4.0'	15.1	0.165	0.000	0.005	0.000	0.006	0.006	0.0	0.0	0.0	0.0	0.0
2256 4.0'	302,195.4	20.279	0.000	0.478	0.000	2.567	35.570	164.7	857.9	1,152.7	10.0	2,185.4
2257 4.0'	429,189.6	81.492	0.226	1.029	0.286	0.392	4.788	2,036.8	4,225.2	970.5	64.6	7,297.1
2258 4.0'	327,779.5	50.685	0.959	0.680	0.057	6.090	97.779	882.6	1,743.7	350.9	37.8	3,015.0
2259 4.0'	213,336.1	194.512	0.000	0.900	0.000	1.294	27.258	3,482.1	1,458.2	383.3	22.4	5,346.0
2260 4.0'	13,038.6	4.435	0.000	1.242	0.000	0.699	9.569	2,552.0	157.2	437.4	7.8	3,154.5
2261 4.0'	84,513.9	34.882	0.878	0.463	0.375	0.227	8.207	305.0	319.5	35.6	26.1	686.3
2262 4.0'	318,508.4	19.623	2.546	1.078	0.382	2.988	166.340	3,138.4	1,491.7	118.0	25.7	4,773.8
2263 4.0'	906.2	3.630	0.128	0.443	0.098	0.111	0.314	1.1	0.7	0.5	0.0	2.3
2264 4.0'	325,981.5	89.430	1.107	0.338	0.064	5.097	175.920	2,019.6	999.5	74.1	3.8	3,097.1
2265 4.0'	6,220.1	3.278	0.000	2.296	0.000	0.573	1.379	14.0	11.5	31.1	1.8	58.3
2266 4.0'	75,370.7	11.136	0.138	1.079	0.078	0.319	6.168	83.2	60.2	0.0	0.0	143.4
2267	5,727.5	30.756	0.115	6.150	0.243	0.999	1.025	0.0	0.1	0.3	0.0	0.4
2268 4.0'	2,202.6	2.178	0.648	0.833	0.452	0.182	0.279	0.0	0.0	0.3	0.0	0.3
2269 4.0'	20.2	0.558	0.503	0.230	0.351	0.031	0.091	9.2	4.1	0.4	0.0	13.6
2270 3.0'	3,969.5	11.079	0.000	10.839	0.000	1.101	1.524	1.7	0.3	1.4	1.4	4.8
2271 4.0'	311.3	0.934	0.000	0.186	0.000	0.045	0.060	0.5	0.1	0.8	0.4	1.8
2272 4.0'	1.5	0.041	0.000	0.570	0.000	0.095	0.258	19.9	3.9	12.3	0.4	36.5
2273 4.0'	32.5	0.837	0.000	0.272	0.000	0.081	0.089	17.6	3.1	9.6	3.0	33.2
2274 4.0'	6.7	0.190	0.000	0.317	0.000	0.051	0.149	1.4	0.3	0.7	0.1	2.4
2275 4.0'	9.8	0.239	0.000	0.068	0.000	0.026	0.026	0.6	0.1	0.5	0.2	1.3
2276 4.0'	10.3	0.243	0.000	0.125	0.000	0.035	0.062	1.3	0.1	0.8	0.2	2.4
2277 4.0'	16.3	0.379	0.000	0.094	0.000	0.035	0.026	0.4	0.8	0.2	0.1	1.5
2278 3.0'	9.9	0.512	0.000	21.613	0.000	2.654	7.969	1.2	1.2	0.7	0.0	3.2
2279 4.0'	2.4	0.070	0.000	0.037	0.000	0.037	0.020	0.8	0.1	0.5	0.0	1.4
2280 4.0'	8.8	0.239	0.000	0.092	0.000	0.033	0.057	2.7	0.3	0.8	0.1	3.9
2281 4.0'	0.7	0.025	0.000	0.022	0.000	0.020	0.007	0.2	0.6	0.2	0.1	1.1





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2282 4.0'	1.8	0.067	0.017	0.088	0.011	0.036	0.072	0.9	0.1	1.0	0.1	2.1
2283 4.0'	1.8	0.047	0.017	0.021	0.019	0.021	0.011	0.4	0.1	0.5	0.0	1.0
2284 4.0'	2.2	0.053	0.000	0.018	0.000	0.018	0.011	0.4	0.1	0.5	0.0	1.1
2285 4.0'	1.3	0.034	0.019	0.041	0.019	0.036	0.035	0.5	0.1	0.6	0.0	1.2
2286 4.0'	5.1	0.127	0.000	0.086	0.017	0.049	0.025	0.6	0.1	0.6	0.0	1.3
2287 4.0'	2.9	0.066	0.035	0.051	0.027	0.026	0.031	1.1	0.1	0.8	0.0	1.9
2288 4.0'	9.2	0.179	0.064	0.092	0.050	0.037	0.029	0.7	0.1	0.6	0.0	1.5
2289 4.0'	12.6	0.424	0.020	0.132	0.015	0.055	0.052	0.6	0.1	0.7	0.1	1.4
2290 4.0'	0.9	0.043	0.000	0.032	0.000	0.015	0.023	1.6	0.3	1.2	0.2	3.3
2291 3.0'	44.4	0.947	0.218	0.266	0.129	0.075	0.083	0.6	0.1	0.7	0.1	1.5
2292 4.0'	2.9	0.062	0.020	0.029	0.012	0.029	0.021	1.7	0.0	0.8	0.1	2.6
2293 4.0'	109.2	2.197	0.168	0.635	0.152	0.136	0.145	1.8	0.2	1.1	0.2	3.2
2294 4.0'	16.7	0.376	0.083	0.119	0.050	0.026	0.031	0.4	0.0	0.7	0.0	1.2
2295 4.0'	29.6	1.059	0.000	0.276	0.025	0.072	0.064	0.6	0.1	0.8	0.2	1.8
2296 4.0'	36.9	0.967	0.358	0.380	0.196	0.103	0.119	0.6	0.1	0.8	0.1	1.6
2297 4.0'	4.1	0.127	0.000	0.039	0.016	0.017	0.014	0.9	0.2	1.1	0.1	2.2
2298 4.0'	9.4	0.206	0.025	0.112	0.021	0.067	0.035	0.8	0.1	0.9	0.0	2.0
2299 4.0'	18,578.3	1.404	0.000	0.216	0.000	0.349	0.576	121.5	52.9	0.0	0.0	174.4
2300 4.0'	5.0	0.155	0.000	0.049	0.000	0.036	0.033	0.4	0.1	0.8	0.0	1.3
2301 4.0'	1.5	0.050	0.015	0.018	0.000	0.036	0.017	0.4	0.2	0.7	0.0	1.4
2302 4.0'	1.5	0.024	0.000	0.041	0.000	0.020	0.007	0.5	0.3	0.8	0.1	1.7
2303 4.0'	4.8	0.107	0.030	0.030	0.023	0.018	0.024	0.3	0.0	0.4	0.0	0.8
2304 4.0'	1,775.4	2.445	0.000	0.812	0.000	12.451	41.869	448.9	12.3	16.3	6.7	484.1
2305 4.0'	40,812.3	112.342	0.000	25.000	0.000	127.529	508.165	1,456.3	39.2	114.4	36.3	1,646.2
2306 4.0'	3,607.4	14.856	0.000	7.065	0.000	13.788	57.391	700.7	51.5	166.3	63.1	981.5
2307 3.0'	57.8	0.983	0.000	0.378	0.000	0.116	0.141	0.7	1.1	1.1	0.1	3.1
2308 1.5'	257.5	4.749	0.000	1.628	0.000	0.397	0.364	1.5	0.2	1.0	0.1	2.7
2309 4.0'	179,879.6	26.181	0.000	1.627	0.000	64.043	613.464	15,531.0	2,694.9	163.1	38.8	158,207.0
2310 4.0'	416.2	3.695	0.000	1.465	0.000	0.331	0.454	3.9	0.4	1.8	0.1	6.2
2311 4.0'	23.1	0.514	0.050	0.167	0.034	0.047	0.051	1.0	1.1	1.1	0.3	3.4
2312 4.0'	1.7	0.016	0.015	0.144	0.000	0.043	0.070	1.5	1.4	1.2	0.7	4.8



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2313 4.0'	5.3	0.136	0.000	0.256	0.022	0.046	0.132	0.6	0.4	1.4	0.1	2.5
2314 4.0'	0.7	0.025	0.000	0.036	0.021	0.025	0.020	0.8	0.1	1.0	0.2	2.2
2315 4.0'	2.1	0.067	0.013	0.035	0.020	0.027	0.016	1.2	0.1	1.0	0.1	2.5
2316 4.0'	59.8	1.117	0.108	0.333	0.034	0.055	0.066	0.9	0.1	0.8	0.0	1.8
2317 4.0'	6.3	0.125	0.028	0.120	0.020	0.046	0.052	1.1	0.2	0.6	0.0	2.0
2318 4.0'	180.9	4.322	0.967	1.440	0.546	0.253	0.301	0.9	0.7	1.0	0.1	2.7
2319 4.0'	2.9	0.074	0.013	0.027	0.012	0.021	0.011	0.3	0.5	0.5	0.0	1.3
2320 4.0'	515.4	6.690	1.792	2.878	1.352	0.550	1.041	0.5	3.2	2.6	0.1	6.4
2321 4.0'	5.3	0.135	0.012	0.050	0.032	0.021	0.026	0.5	0.0	0.5	0.0	1.0
2322 4.0'	497.6	1.967	0.213	0.632	0.150	0.139	0.199	0.0	0.1	0.5	0.0	0.6
2323 4.0'	5.0	0.175	0.012	0.067	0.021	0.032	0.022	0.1	0.1	0.5	0.0	0.6
2324 4.0'	509.3	0.784	0.108	0.291	0.072	0.076	0.094	0.0	0.0	0.5	0.0	0.5
2325 4.1'	121.4	2.394	0.113	0.966	0.076	0.224	0.275	0.1	0.5	0.6	0.0	1.1
2326 4.0'	1,667.3	2.244	0.131	0.852	0.111	0.229	0.385	22.7	24.2	7.3	0.0	54.2
2327 4.0'	64.0	1.209	0.059	0.508	0.039	0.127	0.174	0.1	0.5	0.5	0.0	1.0
2328 4.0'	627.4	1.228	0.130	0.502	0.081	0.128	0.173	0.1	0.4	0.6	0.0	1.0
2329 4.0'	10,539.0	0.797	0.019	0.316	0.021	0.084	0.092	0.0	0.0	0.4	0.0	0.4
2330 4.0'	87.9	2.934	0.456	1.568	0.317	0.293	0.708	0.1	0.5	0.6	0.0	1.1
2331 4.0'	5,872.1	3.942	0.131	1.793	0.093	0.431	0.690	0.0	0.1	0.6	0.0	0.6
2332 4.0'	895.4	2.580	0.333	1.309	0.237	0.316	0.471	0.3	0.7	0.2	0.0	1.2
2333 4.0'	20.9	0.626	0.113	0.230	0.094	0.057	0.061	1.0	0.6	1.5	0.2	3.3
2334 4.0'	432.0	16.299	0.000	6.713	0.201	1.582	2.056	1.2	0.9	1.6	0.0	3.7
2335 4.0'	55.2	1.686	0.089	0.617	0.072	0.163	0.204	1.5	0.2	1.5	0.0	3.3
2336 4.0'	113.2	2.124	0.218	0.735	0.162	0.171	0.243	5.9	0.0	1.9	0.1	7.9
2337 4.0'	55.7	1.340	0.086	0.496	0.071	0.141	0.183	1.1	0.3	1.3	0.7	3.3
2338 4.0'	182.8	1.846	0.091	0.701	0.080	0.165	0.254	0.7	2.8	1.6	0.1	5.1
2339 4.0'	3,358.9	25.822	1.129	8.345	0.824	1.843	2.225	2.6	0.4	1.7	0.6	5.3
2340 4.0'	76.5	1.731	0.149	0.602	0.112	0.153	0.185	2.7	0.0	2.0	0.4	5.1
2341 4.0'	458.9	5.726	0.155	1.721	0.127	0.468	0.540	1.8	0.3	1.4	0.0	3.5
2342 3.0'	304.4	5.446	1.295	1.999	0.794	0.471	0.721	1.3	0.4	1.6	0.0	3.4
2343 4.0'	4,886.3	25.146	0.253	14.040	0.350	3.446	3.735	3.5	0.5	1.5	0.2	5.8



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2344 3.0'	1,171.4	6.902	0.000	2.105	0.000	0.592	0.511	0.9	0.1	3.8	0.9	5.7
2345 4.0'	172.8	1.403	0.206	0.642	0.165	0.160	0.237	0.0	0.0	0.8	0.0	0.8
2346 4.0'	3,303.3	53.381	0.000	17.347	0.000	3.973	4.560	4.4	0.5	2.7	0.3	7.9
2347 4.0'	3,321.2	6.880	0.408	3.560	0.311	0.829	1.302	0.0	0.0	0.9	0.2	1.1
2348 4.0'	1,060.8	4.876	0.000	1.373	0.000	0.308	0.385	10.8	0.5	2.1	0.2	13.6
2349 3.0'	181.6	0.631	0.071	0.214	0.057	0.075	0.125	0.1	0.0	0.9	0.0	1.0
2350 3.0'	5,441.7	13.744	0.000	3.778	0.000	0.935	1.137	2.7	1.2	2.5	0.4	6.7
2351 4.0'	2,636.9	3.146	0.154	1.370	0.105	0.396	0.519	0.0	0.0	0.9	0.0	0.9
2352 4.0'	7,387.8	15.059	0.679	5.967	0.428	1.305	1.503	0.0	0.0	0.8	0.0	0.8
2353 3.0'	2,554.5	12.995	0.371	4.607	0.313	1.248	1.555	0.0	0.3	0.7	0.0	1.0
2354 3.0'	132,170.0	13.936	0.089	1.709	0.080	2.597	0.412	0.0	0.0	1.3	0.0	1.3
2355 4.0'	46,465.1	13.204	1.047	5.630	0.398	1.372	1.329	4.5	11.7	15.4	0.0	31.6
2357 4.0'	31,204.3	11.725	1.127	3.629	0.528	1.106	1.260	0.1	0.8	1.6	0.0	2.4
2359 4.0'	10,543.2	6.116	0.889	1.812	0.512	0.463	0.743	0.2	1.8	2.1	0.0	4.1
2360 4.0	133,259.4	5.085	1.089	0.509	0.101	0.186	0.199	0.0	5.8	53.5	42.4	101.7
2361 4.0'	29,836.9	13.563	1.926	3.296	0.688	0.820	1.691	1.3	3.7	4.2	2.0	11.2
2362 4.0	72.3	0.796	0.093	0.312	0.067	0.089	0.112	0.0	0.0	0.4	0.0	0.4
2363 4.0	14.4	0.359	0.041	0.143	0.041	0.070	0.036	0.0	0.0	0.5	0.0	0.5
2364 4.0	134.3	2.995	0.514	1.039	0.378	0.210	0.316	0.0	0.0	0.4	0.0	0.4
2365 4.0	74.4	1.055	0.113	0.405	0.089	0.106	0.107	0.0	0.0	0.4	0.0	0.4
2366 4.0	2,491.5	4.445	0.122	1.741	0.160	0.416	0.464	0.0	0.0	0.4	0.0	0.4
2367 4.0	6,214.6	21.235	0.390	4.267	0.266	0.865	0.830	0.0	0.0	0.4	0.0	0.4
2368 4.0	1,300.3	0.648	0.114	0.355	0.101	0.092	0.119	0.0	0.0	0.4	0.0	0.4
2369 3.0	813.4	0.131	0.013	0.081	0.016	0.046	0.032	0.0	0.0	0.3	0.0	0.3
2370 4.0	17.2	0.077	0.043	0.060	0.040	0.039	0.015	0.0	0.0	0.4	0.0	0.4
2371 4.0	765.8	0.699	0.063	0.325	0.077	0.067	0.119	0.0	0.0	0.5	0.0	0.5
2372 4.0	124.2	0.123	0.022	0.035	0.029	0.028	0.012	0.0	0.0	0.4	0.0	0.4
2373 4.0	160.2	0.058	0.043	0.041	0.025	0.024	0.024	0.0	0.0	0.4	0.0	0.4
2374 2.5	49.4	0.068	0.014	0.022	0.014	0.030	0.017	0.0	0.0	0.4	0.0	0.4
2375 4.0	521.2	2.536	0.578	1.172	0.454	0.215	0.325	0.0	0.0	0.4	0.0	0.4
2376 4.0	420.7	0.245	0.204	0.116	0.136	0.058	0.030	0.0	0.0	0.5	0.0	0.5



# Exploration Technologies, Inc.

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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2377 3.0	3.1	0.015	0.013	0.017	0.013	0.018	0.008	0.1	0.0	0.5	0.0	0.6
2378 4.0	101.2	0.140	0.088	0.096	0.057	0.048	0.034	0.0	0.0	0.5	0.0	0.5
2379 4.0	15,369.5	3.061	0.278	0.926	0.113	0.218	0.279	0.0	0.0	1.3	0.2	1.5
2380 4.0	4.8	0.108	0.061	0.060	0.043	0.033	0.016	0.0	0.0	0.4	0.0	0.4
2381 4.0	36.0	0.062	0.021	0.034	0.019	0.026	0.010	0.0	0.0	0.5	0.0	0.5
2382 4.0	7.7	0.105	0.015	0.040	0.017	0.032	0.014	0.0	0.0	0.4	0.0	0.4
2383 4.0	56.6	1.376	0.069	0.614	0.061	0.144	0.189	0.0	0.0	0.4	0.0	0.5
2384 4.0	8.1	0.433	0.013	0.272	0.019	0.084	0.096	0.0	0.0	0.4	0.0	0.4
2385 4.0	13,922.3	1.162	0.088	0.495	0.075	0.197	0.135	0.0	2.0	2.4	1.2	5.5
2386 4.0	548.6	0.970	0.072	0.493	0.091	0.136	0.127	0.0	0.0	0.7	0.0	0.7
2387 3.0	405.7	0.256	0.029	0.063	0.024	0.027	0.022	0.0	0.0	0.2	0.0	0.2
2388 4.0	6,506.6	7.569	0.850	2.726	0.605	0.659	0.768	0.0	0.0	0.3	0.0	0.3
2389 4.0	1,416.3	1.991	0.198	1.033	0.173	0.261	0.180	0.0	0.0	0.5	0.0	0.5
2390 4.0	58.2	0.957	0.126	0.390	0.089	0.110	0.113	0.0	0.0	0.6	0.0	0.6
2391 4.0	32.5	0.331	0.080	0.111	0.071	0.042	0.032	0.0	0.0	0.6	0.0	0.6
2392 4.0	182.6	2.213	0.541	0.891	0.405	0.211	0.251	0.0	0.0	0.6	0.0	0.6
2393 4.0	244.7	5.699	0.374	0.907	0.100	0.177	0.209	0.0	0.0	0.3	0.0	0.3
2394 3.5'	82.4	1.967	0.465	0.771	0.311	0.180	0.224	0.0	0.0	0.4	0.0	0.4
2395 4.0'	34.4	0.708	0.131	0.294	0.099	0.103	0.088	0.0	0.0	0.4	0.0	0.4
2396 4.0'	152.3	1.045	0.327	1.080	0.290	0.265	0.626	0.0	0.0	0.4	0.0	0.4
2397 4.0'	200.5	5.489	0.704	1.637	0.531	0.376	0.425	0.0	0.0	0.3	0.0	0.3
2398 4.0'	12,152.7	3.093	0.384	0.932	0.177	0.194	0.262	0.0	0.2	50.3	78.1	128.7
2399 4.0'	476.3	0.618	0.030	0.151	0.048	0.093	0.054	0.0	0.0	0.3	0.0	0.3
2400 3.0'	131.4	0.995	0.055	0.412	0.051	0.105	0.116	0.0	0.0	0.4	0.0	0.4
2401 4.0'	82.7	0.203	0.254	0.194	0.096	0.047	0.236	0.0	0.1	0.6	0.0	0.7
2402 2.5'	9.7	0.086	0.053	0.120	0.023	0.083	0.043	0.1	0.0	0.9	0.0	1.0
2403 2.5'	388.3	0.554	0.031	0.227	0.019	0.081	0.080	0.0	0.0	0.7	0.0	0.7
2404 3.5'	5.9	0.086	0.011	0.067	0.017	0.055	0.035	0.0	0.0	0.7	0.2	0.9
2405 3.5'	6.6	0.159	0.048	0.117	0.020	0.045	0.062	0.0	0.0	0.2	0.0	0.2
2406 4.0'	66.1	0.397	0.055	0.180	0.034	0.063	0.072	0.0	0.0	0.6	0.0	0.6
2407 4.0'	8.4	0.127	0.039	0.105	0.020	0.042	0.083	0.0	0.0	0.2	0.0	0.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2408 4.0'	447.8	0.908	0.141	0.900	0.107	0.173	0.461	0.0	2.6	0.8	3.6	7.0
2409 3.5'	121.3	0.276	0.013	0.164	0.013	0.061	0.090	0.0	0.0	0.2	0.0	0.2
2410 4.0'	58.5	1.451	0.081	0.620	0.070	0.147	0.227	0.0	4.6	1.1	2.7	8.4
2411 3.0'	42.0	0.428	0.240	1.298	0.168	0.227	0.938	0.0	3.8	0.8	0.8	5.4
2412 2.5'	14,010.6	0.982	0.028	0.977	0.050	0.132	0.329	0.0	0.0	0.6	0.0	0.6
2413 3.0'	8,688.6	1.357	0.029	662.030	0.050	74.863	292.200	0.0	139.8	7.5	10.1	157.5
2415 4.0'	668.8	1.081	0.098	1.298	0.084	0.191	0.662	0.0	0.2	0.7	0.0	0.9
2416 4.0'	84.7	0.516	0.051	0.244	0.041	0.091	0.110	0.0	0.0	0.6	0.0	0.7
2417 3.0'	63.3	0.567	0.024	0.283	0.023	0.067	0.112	0.0	0.0	0.6	0.0	0.6
2418 4.0'	251.4	0.172	0.054	0.327	0.041	0.069	0.183	0.0	0.4	0.4	0.4	1.3
2419 3.0'	12.3	0.122	0.025	0.054	0.017	0.014	0.029	0.0	0.0	0.5	0.0	0.5
2420 3.0'	2.8	0.025	0.063	0.041	0.032	0.058	0.200	0.0	0.0	0.4	0.0	0.4
2422 4.0'	10.3	0.212	0.073	0.094	0.035	0.016	0.095	0.0	0.0	0.7	0.0	0.7
2423 4.0'	6.4	0.035	0.001	0.015	0.010	0.018	0.009	0.0	0.0	0.5	0.0	0.5
2424 4.0'	107.7	1.671	0.175	0.846	0.127	0.183	0.339	0.1	3.3	1.0	2.3	6.5
2425 4.0'	31.8	0.727	0.104	0.255	0.080	0.064	0.063	0.0	0.0	0.6	0.0	0.6
2426 4.0'	2.6	0.017	0.007	0.016	0.007	0.021	0.016	0.3	0.0	0.5	0.0	0.9
2427 4.0'	22.8	0.666	0.090	0.275	0.097	0.066	0.096	0.0	0.0	0.5	0.0	0.5
2428 4.0'	7,916.3	8.554	1.170	3.634	0.888	0.743	1.208	0.0	0.0	0.2	0.0	0.2
2429 3.5'	65.4	1.124	0.225	0.416	0.154	0.076	0.141	0.0	0.0	0.5	0.0	0.5
2430 4.0'	6,188.0	4.172	0.452	1.823	0.262	0.362	0.626	0.0	0.0	0.2	0.0	0.2
2431 4.0'	345.8	4.521	0.404	1.104	0.289	0.267	0.374	0.1	0.2	0.4	0.0	0.6
2432 3.0'	17.8	0.427	0.029	0.210	0.024	0.063	0.081	0.2	0.0	0.3	0.0	0.5
2433 3.0'	7.4	0.166	0.015	0.057	0.019	0.037	0.022	0.0	0.0	0.3	0.0	0.3
2435 1.5'	65,469.5	12.631	0.053	5.349	0.000	165.860	371.680	1,104.4	429.5	47.5	3.2	1,584.6
2436 1.5'	17,832.1	3.223	0.285	1.342	0.106	23.949	25.845	212.7	73.7	22.6	0.0	309.0
2437 2.0'	110.5	0.587	0.091	0.253	0.074	0.227	0.474	0.0	0.0	0.4	0.0	0.5
2438 2.0'	60,249.7	30.904	0.732	25.475	0.000	613.230	603.640	360.3	374.2	3.6	0.0	738.2
2439 2.0'	21,762.9	5.028	0.475	2.412	0.548	42.963	15.452	128.8	113.2	12.9	0.0	254.8
2440 2.0'	62,147.6	16.160	0.145	7.018	0.741	124.420	72.619	250.1	193.0	1.5	0.0	444.6
2441 1.5'	27,690.0	9.151	0.079	3.818	0.025	80.650	21.632	207.0	62.5	7.3	0.0	276.8



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2442 2.0'	9,716.7	1.425	0.449	0.454	0.337	6.856	0.427	5.0	2.0	1.4	0.0	8.4
2443 2.5'	628.6	1.453	0.211	0.559	0.159	0.826	0.333	1.1	1.0	0.9	0.0	3.0
2444 2.0'	3,319.7	3.500	0.217	1.187	0.252	2.221	1.389	1.7	0.2	0.4	0.0	2.3
2445 4.0'	7,960.4	23.935	0.310	11.397	0.195	13.227	44.896	9.9	32.0	38.8	5.0	85.8
2446 2.0'	1,055.7	0.968	0.141	0.393	0.116	0.324	0.347	0.0	0.3	0.3	0.0	0.6
2447 2.0'	14.4	0.390	0.010	0.166	0.016	0.066	0.068	0.3	0.0	0.4	0.0	0.8
2448 2.5'	81.4	1.728	0.185	0.599	0.140	0.201	0.293	0.0	0.0	0.3	0.0	0.3
2449 4.0'	299.0	2.243	0.304	0.714	0.235	0.152	0.254	0.0	0.0	0.3	0.0	0.3
2450 4.0'	368.3	3.602	0.256	0.889	0.183	0.203	0.322	3.1	4.2	1.9	0.0	9.2
2451 3.5'	92.7	3.337	0.708	1.251	0.479	0.245	0.356	0.0	0.0	0.4	0.0	0.4
2452 4.0'	2.9	0.038	0.018	0.030	0.020	0.035	0.043	1.4	0.0	0.3	0.0	1.7
2453 4.0'	711.9	5.637	0.359	1.543	0.248	0.314	0.428	0.0	0.1	0.2	0.0	0.4
2454 3.0'	75.8	1.845	0.088	0.622	0.070	0.155	0.216	0.8	0.0	0.2	0.0	1.1
2456 3.5'	306.9	4.125	0.308	1.520	0.249	0.612	0.562	0.6	1.4	0.6	0.0	2.7
2457 3.0'	1,296.8	5.924	0.242	1.478	0.182	0.547	0.412	1.9	14.6	0.0	0.0	16.5
2458 3.0'	226.2	5.321	0.385	1.674	0.298	0.381	0.544	0.0	0.0	0.4	0.0	0.4
2459 4.0'	750.2	12.903	0.390	2.996	0.334	0.996	1.083	0.0	0.2	0.5	0.0	0.8
2460 4.0'	100.8	2.297	0.385	0.611	0.242	0.100	0.196	0.0	0.3	0.0	0.0	0.3
2461 4.0'	291.4	8.326	1.703	3.219	1.243	0.664	1.151	0.0	0.2	0.6	0.0	0.7
2462 4.0'	560.5	11.893	4.085	3.743	2.705	0.537	1.251	0.0	0.0	0.5	0.0	0.5
2463 4.0'	67.7	2.419	0.598	1.190	0.475	0.261	0.439	0.2	0.3	0.0	0.0	0.5
2464 4.0'	197.7	2.603	0.115	0.701	0.120	0.157	0.246	0.0	0.0	0.5	0.0	0.5
2465 4.0'	266.0	4.422	0.713	1.333	0.560	0.243	0.462	0.0	0.4	0.0	0.0	0.4
2466 4.0'	144.8	3.800	0.786	1.366	0.526	0.267	0.440	0.0	0.0	0.6	0.0	0.6
2467 4.0'	118.5	3.192	0.388	1.363	0.377	0.317	0.499	0.2	0.1	0.7	0.0	0.9
2468 4.0'	37.0	0.890	0.115	0.365	0.091	0.097	0.137	0.0	0.0	0.6	0.0	0.6
2469 4.0'	59.3	1.155	0.185	0.422	0.142	0.113	0.135	0.5	0.4	0.8	0.0	1.7
2470 4.0'	4.7	0.050	0.012	0.021	0.018	0.019	0.012	0.0	0.0	0.5	0.0	0.5
2471 4.0'	1,669.9	0.144	0.022	0.086	0.034	0.138	1.588	6.1	10.9	6.2	1.4	24.5
2472 4.0'	239.4	0.205	0.022	0.082	0.025	0.109	0.138	1.4	2.4	1.4	0.0	5.3
2473 4.0'	4.5	0.054	0.009	0.025	0.014	0.022	0.015	0.6	0.1	0.7	0.0	1.3



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2474 4.0'	116.4	2.558	0.650	0.900	0.527	0.177	0.312	0.0	0.0	0.7	0.0	0.7
2475 4.0'	214.5	3.828	0.276	1.237	0.206	0.268	0.362	0.0	0.0	0.7	0.0	0.7
2476 3.5'	103.0	1.963	0.334	0.677	0.244	0.166	0.224	0.0	0.0	0.6	0.0	0.6
2477 4.0'	244.3	4.658	0.435	1.496	0.304	0.304	0.440	0.2	0.3	0.7	0.8	2.0
2478 4.0'	417.5	7.084	0.400	2.114	0.312	0.436	0.619	0.0	0.0	0.7	0.0	0.7
2479 4.0'	147.0	3.976	0.542	1.398	0.379	0.328	0.465	0.5	0.5	0.9	0.0	1.9
2480 4.0'	426.2	11.938	0.449	3.854	0.336	0.808	1.115	0.2	0.5	0.7	0.0	1.4
2481 4.0'	175.5	3.537	0.679	1.228	0.505	0.230	0.422	0.1	0.0	0.4	0.0	0.4
2482 4.0'	1,023.3	14.154	0.605	4.977	0.476	0.997	1.251	0.0	0.0	0.3	2.3	2.6
2483 4.0'	37.1	0.695	0.097	0.232	0.072	0.071	0.079	0.2	0.0	0.4	0.0	0.7
2484 4.0'	32.0	0.763	0.263	0.284	0.183	0.065	0.093	0.0	0.0	0.4	0.0	0.4
2485 4.0'	344,913.7	305.390	0.000	0.050	0.000	0.640	5.960	600.6	382.0	2.1	0.0	984.7
2486 4.0'	477,849.9	226.860	0.000	3.980	0.000	6.880	13.850	281.2	133.6	0.0	0.0	414.8
2487 4.0'	219,147.2	115.600	0.000	9.610	0.000	32.770	57.200	122.5	89.5	0.9	0.0	212.9
2488 4.0'	44,966.0	80.450	0.000	15.970	0.000	52.920	302.460	16.3	9.5	16.2	12.5	54.5
2489 4.0'	285,711.0	219.100	0.000	55.680	0.000	137.870	634.250	1,566.7	658.7	80.2	15.2	2,320.8
2490 4.0'	19,519.4	14.130	0.000	8.490	0.000	40.960	407.890	2,077.5	837.0	123.4	18.5	3,056.4
2491 4.0'	212,289.7	108.740	0.000	51.470	0.000	70.020	331.910	85.8	77.7	7.9	0.0	171.4
2492 4.0'	50,230.8	25.140	0.000	13.490	0.000	79.690	670.980	2,827.0	1,027.8	78.2	16.2	3,949.2
2493 4.0'	35,962.8	149.900	0.000	40.970	0.000	389.440	2,287.890	1,583.0	463.1	12.8	0.0	2,058.9
2494 4.0'	68,253.7	20.720	0.000	5.530	0.000	3.190	9.440	15.8	4.9	0.0	0.0	20.7
2495 4.0'	103,041.6	37.600	0.000	13.500	0.000	27.270	49.970	11.0	4.1	8.3	0.0	23.4
2496 4.0'	7,018.9	5.770	0.000	1.580	0.000	19.160	14.260	239.4	60.2	5.9	1.9	307.4
2497 4.0'	21,410.8	12.740	0.000	4.670	0.000	27.600	196.610	600.0	251.2	42.9	0.0	894.1
2498 4.0'	273,574.8	196.770	0.000	74.200	0.000	1,326.090	6,297.770	11,602.0	2,617.2	337.7	26.7	14,583.6
2499 4.0'	58,576.6	27.840	0.000	6.920	0.000	33.590	111.680	54.5	92.0	5.4	0.0	151.9
2500 4.0'	400.2	9.600	0.000	3.350	0.000	0.790	1.100	0.0	0.7	0.5	0.0	1.2
2501 4.0'	20,466.1	10.460	0.000	2.210	0.000	2.330	5.110	51.3	21.5	0.0	10.5	83.3
2502 4.0'	409.7	1.300	0.000	0.320	0.000	0.150	0.150	0.0	0.0	0.3	0.0	0.3
2503 4.0'	2,214.8	1.810	0.000	2.230	0.000	12.760	58.070	0.0	8.4	2.6	0.2	11.2
2504 4.0'	1,257.0	2.330	0.000	0.900	0.000	0.380	0.550	0.0	0.0	0.5	0.0	0.5



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2505 4.0'	283.6	0.270	0.000	0.170	0.000	1.420	4.210	0.1	0.0	0.3	0.0	0.4
2506 4.0'	41.1	0.160	0.000	0.060	0.000	0.130	0.380	0.0	0.7	0.5	0.0	1.2
2507 4.0'	24,832.1	56.530	0.000	23.900	0.000	295.670	832.850	602.6	226.8	0.0	0.5	829.9
2508 4.0'	2,412.6	7.820	0.000	1.290	0.000	0.500	1.080	0.0	0.0	0.6	0.0	0.6
2509 4.0'	194,383.9	194.810	0.000	19.630	0.000	547.490	242.250	301.9	162.5	0.0	0.0	464.4
2510 4.0'	35,034.3	120.600	0.000	9.090	0.000	1,157.100	3.887	348.9	330.1	10.9	0.0	689.9
2511 4.0'	28.9	0.040	0.000	0.140	0.000	0.260	1.770	0.0	0.1	0.0	0.0	0.1
2512 4.0'	27,422.2	30.930	0.000	12.270	0.000	274.310	65.670	235.1	254.1	4.3	0.0	493.5
2513 4.0'	622.8	0.970	0.000	0.310	0.000	0.110	0.120	0.0	0.0	0.5	0.0	0.5
2514 4.0'	43.1	0.240	0.000	0.060	0.000	0.070	0.040	0.0	0.0	0.6	0.0	0.6
2515 4.0'	257.5	0.140	0.000	0.060	0.000	0.490	0.460	1.0	0.5	0.7	0.1	2.3
2516 4.0'	264.6	0.070	0.000	0.040	0.000	0.730	0.190	0.5	0.7	1.4	0.4	3.0
2517 4.0'	1,687.0	0.840	0.000	0.240	0.000	2.520	0.180	0.4	0.0	0.6	0.0	1.0
2518 4.0'	195.7	0.290	0.000	0.130	0.000	0.630	1.300	0.4	0.3	0.5	0.0	1.2
2519 4.0'	462.4	0.570	0.000	0.210	0.000	0.210	0.400	1.8	1.8	0.9	0.1	4.6
2520 4.0'	206,967.5	83.880	0.000	153.200	0.000	2,145.000	3,682.000	1,322.8	691.1	9.0	0.6	2,023.5
2521 4.0'	3,728.4	1.060	0.000	0.670	0.000	11.680	5.660	5.7	2.1	0.8	0.2	8.8
2522 4.0'	637.0	0.380	0.000	0.170	0.000	0.350	0.160	0.1	0.0	0.6	0.0	0.7
2523 4.0'	4,623.6	1.720	0.000	0.910	0.000	22.510	1.900	28.1	23.8	2.3	0.0	54.2
2524 4.0'	166.0	0.440	0.000	0.170	0.000	0.090	0.110	0.1	0.0	0.3	0.0	0.4
2525 4.0'	393.9	0.660	0.000	0.450	0.000	0.070	0.150	0.0	0.0	0.1	0.0	0.1
2526 4.0'	6.3	0.040	0.000	0.020	0.000	0.020	0.020	0.1	0.0	0.4	0.0	0.5
2527 4.0'	106.0	0.080	0.000	0.120	0.000	0.050	0.060	0.0	0.0	0.0	0.0	0.0
2528 4.0'	4.4	0.060	0.000	0.070	0.000	0.050	0.030	0.0	0.0	0.0	0.0	0.0
2529 4.0'	92.9	0.520	0.000	0.200	0.000	0.040	0.090	0.0	0.0	0.3	0.0	0.3
2530 4.0'	47.6	0.270	0.000	0.120	0.000	0.030	0.090	0.0	0.0	0.3	0.0	0.3
2531 4.0'	20,052.8	8.030	0.000	2.020	0.000	3.270	0.680	0.0	0.0	0.6	0.2	0.8
2532 4.0'	178,566.8	62.210	0.000	9.250	0.000	562.970	212.640	815.5	442.9	2.3	0.0	1,260.7
2533 4.0'	103,048.4	32.557	0.901	5.517	0.255	84.037	0.456	351.0	53.2	0.0	0.3	404.4
2535 4.0'	53.0	0.275	0.102	0.103	0.085	0.074	0.041	0.0	0.0	0.7	0.0	0.7
2536 4.0'	10.2	0.301	0.086	0.148	0.076	0.057	0.051	0.0	0.0	0.6	0.0	0.6





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2537 4.0'	74.5	0.830	0.000	0.330	0.000	0.090	0.130	0.0	0.0	0.5	0.0	0.5
2538 4.0'	82.7	2.570	0.000	0.870	0.000	0.260	0.300	3.3	42.0	46.2	7.1	98.6
2539 4.0'	143.7	2.610	0.000	0.920	0.000	0.230	0.380	0.0	0.0	0.5	0.2	0.7
2540 4.0'	1,285.1	1.070	0.000	0.380	0.000	0.100	0.140	0.0	0.0	0.6	0.0	0.6
2541 4.0'	10,475.1	2.860	0.000	0.730	0.000	0.180	0.560	5.3	8.5	0.0	0.0	13.8
2542 4.0'	11,191.7	2.720	0.000	0.750	0.000	0.330	0.760	19.5	11.2	1.0	0.0	31.7
2543 4.0'	25,251.5	3.110	0.000	0.390	0.000	0.360	0.740	56.7	53.1	8.0	0.0	117.8
2544 4.0'	841.4	1.130	0.000	0.420	0.000	0.120	0.220	0.0	0.1	0.5	0.2	0.8
2545 4.0'	8,754.9	3.050	0.000	1.390	0.000	0.630	1.380	0.0	0.2	0.4	0.0	0.6
2547 4.0'	27.8	0.050	0.000	0.060	0.000	0.070	0.070	0.0	0.0	0.1	0.0	0.1
2548 4.0'	3.0	0.091	0.008	0.314	0.026	0.088	0.233	0.0	0.2	0.7	0.2	1.2
2549 4.0'	22,026.6	22.661	2.605	4.931	1.366	0.839	1.369	1.7	0.4	1.1	0.0	3.1
2550 4.0'	60.0	0.589	0.094	0.266	0.091	0.104	0.300	0.3	1.1	1.1	0.0	2.4
2551 4.0'	1,369.0	5.683	0.363	1.907	0.300	0.438	0.828	0.1	2.9	1.8	0.0	4.8
2552 4.0'	2,396.1	9.803	0.764	5.189	0.571	1.097	1.975	0.0	3.6	3.0	0.0	6.6
2553 4.0'	2,928.7	4.624	0.543	1.608	0.391	0.444	0.804	3.3	29.3	15.0	0.0	47.6
2554 4.0'	1,957.4	7.251	0.556	2.538	0.352	0.647	0.851	0.0	0.0	0.7	0.0	0.7
2555 4.0'	15,261.9	7.275	0.545	3.075	0.299	0.835	0.962	0.0	4.4	3.8	0.0	8.3
2556 4.0'	20,684.0	6.985	1.053	3.458	0.437	1.029	2.775	172.6	272.6	29.1	0.0	474.3
2557 4.0'	218,441.5	42.531	0.787	1.138	0.653	8.730	135.170	19,638.3	14,511.6	60.8	55.9	34,266.6
2558 4.0'	70,751.0	28.455	1.649	5.607	1.016	2.656	45.094	5,190.0	4,945.6	148.2	0.0	10,283.9
2559 4.0'	148,668.3	58.730	0.091	1.154	0.099	13.885	166.150	30,145.8	16,309.9	229.7	162.9	46,848.2
2560 4.0'	210,148.3	92.779	0.861	1.125	0.443	38.390	417.700	5,455.9	2,339.6	309.7	133.8	8,238.9
2561 4.0'	212,872.9	156.590	1.182	0.837	0.588	17.562	274.730	6,620.4	3,255.0	528.1	204.1	10,607.5
2562 4.0'	149,162.2	96.421	2.149	2.083	1.233	18.157	208.400	5,997.2	3,225.9	588.8	105.1	9,917.0
2563 4.0'	92,812.4	82.094	0.541	1.875	0.510	13.630	279.600	22,097.8	11,127.6	1,882.2	186.8	35,294.4
2564 4.0'	79,540.2	41.394	0.768	1.031	0.451	34.843	394.020	5,691.4	3,210.4	599.5	240.4	9,741.6
2565 4.0'	229,016.3	76.395	0.666	4.088	0.000	107.480	1,096.500	5,734.8	2,347.8	335.1	172.0	8,589.8
2566 4.0'	153,977.9	47.686	0.623	2.901	0.000	120.070	1,288.400	5,820.5	2,319.8	381.4	159.6	8,681.2
2567 4.0'	78,980.4	25.698	1.889	2.399	0.977	171.060	1,542.500	29,382.3	9,854.0	1,451.2	196.4	40,883.9
2568 4.0'	70,460.4	21.408	0.000	0.191	1.662	102.840	969.190	23,111.9	10,855.7	1,851.1	211.9	36,030.6



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2569 4.0'	116,734.5	21.189	0.286	0.000	0.342	94.244	989.800	21,471.9	10,427.2	1,859.8	0.0	33,758.8
2570 4.0'	218,091.0	34.107	0.000	2.639	0.669	133.550	1,401.500	25,349.6	9,702.6	1,527.5	252.6	36,832.3
2571 4.0'	172,076.9	32.454	0.000	1.010	2.418	118.450	1,181.700	22,606.9	10,358.2	88.0	101.6	33,154.8
2572 4.0'	154,244.4	27.270	0.239	6.368	0.000	374.210	2,975.200	21,333.7	9,944.5	270.9	20.5	31,569.6
2573 4.0'	975.7	6.191	0.153	2.604	0.108	15.415	170.070	2,762.2	2,184.7	613.2	150.7	5,710.8
2574 4.0'	104,803.5	24.618	0.780	5.559	1.767	343.970	2,530.300	26,293.6	9,213.7	1,082.0	130.6	36,720.0
2575 4.0'	145,483.8	23.448	0.297	1.295	0.214	42.970	320.350	3,792.4	2,869.5	121.5	6.7	6,790.1
2576 4.0'	8,098.3	1.632	0.021	0.240	0.040	21.575	132.410	1,616.3	852.6	2.1	0.0	2,471.0
2577 4.0'	17,198.9	1.327	0.997	0.538	0.702	0.194	0.920	5.7	6.1	4.4	0.5	16.8
2578 4.0'	21,702.7	19.274	0.893	10.622	0.641	1.972	4.871	5.5	20.6	0.3	0.0	26.3
2579 4.0'	7,115.0	0.992	0.129	0.360	0.111	0.158	0.429	0.8	17.0	8.7	0.0	26.4
2580 4.0'	47.6	0.026	0.014	0.026	0.020	0.047	0.139	2.7	4.9	2.3	0.0	9.9
2581 4.0'	578.6	0.083	0.000	0.021	0.003	0.413	5.262	39.1	29.6	7.0	1.4	77.2
2582 4.0'	45,504.6	11.125	0.480	1.372	0.707	33.629	285.870	5,695.9	3,635.7	21.2	51.3	9,404.0
2583 4.0'	234,026.5	70.878	0.462	6.716	0.000	619.420	6,257.400	4,031.1	2,437.0	81.1	0.0	6,549.2
2584 4.0'	10,099.1	3.593	0.244	0.799	0.083	28.216	347.640	14,696.0	9,715.0	2,392.6	477.3	27,280.9
2585 4.0'	37,114.3	8.175	0.647	1.687	0.519	55.464	625.410	3,308.9	2,264.8	622.4	240.1	6,436.2
2586 4.0'	43,872.6	16.237	0.356	2.904	0.000	149.400	1,487.300	3,583.0	2,299.1	232.8	17.4	6,132.3
2587 4.0'	5,975.9	0.981	0.067	2.626	4.002	14.078	171.220	1,178.9	1,341.4	228.5	61.4	2,810.2
2588 4.0'	94,508.9	63.715	1.234	20.038	3.527	928.380	8,356.300	4,467.1	2,950.5	183.6	20.0	7,621.1
2589 4.0'	6,559.8	3.640	0.178	3.133	0.000	112.550	817.840	14,498.6	11,256.0	549.8	83.4	26,387.8
2590 4.0'	3,406.4	1.486	0.103	1.206	0.081	34.491	263.930	8,848.8	6,148.3	1,961.7	340.2	17,299.0
2591 4.0'	203,848.6	47.666	0.070	9.383	0.372	144.040	405.000	783.9	1,100.9	11.0	52.5	1,948.3
2592 4.0'	23,013.2	4.986	0.567	3.052	0.430	47.643	287.540	1,097.1	1,296.1	29.3	235.1	2,657.6
2593 4.0'	2,248.0	0.127	0.100	0.087	0.064	0.307	0.328	1.2	2.9	2.2	0.6	6.9
2594 4.0'	119,386.4	185.967	21.465	223.830	2.598	3,132.200	10,729.000	21,526.2	8,583.6	1,871.4	263.4	32,244.6
2595 4.0'	57.0	0.764	0.033	0.235	0.042	0.122	0.288	6.5	17.7	10.0	0.8	35.0
2596 4.0'	43.0	0.794	0.088	0.286	0.074	0.095	0.099	0.0	0.5	1.0	0.2	1.7
2597 4.0'	341,650.2	115.329	0.000	102.630	0.520	1,808.100	5,304.900	18,496.8	9,392.1	1,522.1	18.8	29,429.9
2598 4.0'	57,270.5	16.416	0.000	9.136	0.270	153.230	552.350	889.5	973.9	11.0	89.6	1,963.9
2599 4.0'	254,670.1	88.064	2.708	42.288	6.512	1,031.300	3,312.300	2,303.6	1,637.6	19.8	79.0	4,040.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2600 4.0'	262,160.0	63.360	0.337	13.766	0.000	590.000	234.190	2,441.8	2,835.6	705.6	3.1	5,986.0
2601 4.0'	334,348.6	89.285	0.805	90.075	3.325	3,305.500	11,847.900	23,389.9	9,899.1	1,563.4	54.1	34,906.4
2602 4.0'	58.3	0.094	0.023	0.041	0.022	0.233	0.462	1.2	5.2	1.8	0.0	8.2
2603 4.0'	44,109.6	3.798	0.995	1.239	1.468	0.746	1.677	9.9	3.8	2.4	0.6	16.6
2604 4.0'	76,162.1	10.452	0.703	1.399	0.539	21.994	5.350	257.9	170.3	0.9	0.0	429.1
2605 4.0'	44,617.9	21.976	0.932	0.790	0.215	15.731	1.468	130.2	35.6	0.0	0.0	165.8
2606 4.0'	45,901.1	5.731	0.406	0.657	0.112	0.912	0.689	50.2	4.0	0.6	0.0	54.7
2607 4.0'	16,378.1	13.826	0.549	2.245	0.322	6.967	2.693	92.2	33.9	7.3	0.0	133.5
2608 4.0'	337,864.6	146.688	0.432	28.035	0.000	1,080.000	2,763.700	2,103.7	1,041.0	17.1	0.0	3,161.8
2609 4.0'	10,891.8	6.859	0.729	1.346	0.440	1.717	0.701	28.0	7.3	1.3	0.2	36.8
2610 4.0'	5,522.6	3.921	0.215	1.354	0.163	5.388	15.791	112.8	88.1	14.5	1.1	216.5
2611 4.0'	167,662.3	32.934	0.197	51.171	0.746	1,949.300	8,034.500	2,190.7	1,274.3	6.5	3.1	3,474.6
2612 4.0'	200,278.4	40.820	0.137	37.945	0.935	1,636.400	4,348.500	8,733.4	3,696.1	22.6	0.0	12,452.0
2613 4.0'	10,872.8	0.146	0.207	0.261	0.492	0.243	0.349	1.6	1.2	10.7	91.5	105.1
2614 4.0'	1,033.8	0.660	0.111	0.951	0.101	14.868	59.460	245.3	197.8	155.6	51.2	649.9
2615 4.0'	103,338.8	19.278	0.045	153.340	2.306	4,452.900	13,182.200	2,874.9	1,853.1	14.8	64.5	4,807.2
2616 4.0'	3,548.7	3.773	1.156	3.663	0.953	60.470	191.280	725.5	418.7	185.7	64.0	1,393.9
2617 4.0'	4,160.2	4.609	0.309	4.908	0.643	100.670	356.380	1,723.8	960.7	234.1	93.4	3,012.0
2618 4.0'	20,855.1	120.200	0.000	19.801	0.000	497.630	1,796.200	1,253.7	669.3	29.9	0.0	1,952.9
2619 4.0'	8,588.2	8.997	0.979	3.434	0.269	64.689	179.200	324.6	272.8	13.6	0.0	611.0
2620 4.0'	49,426.7	16.645	2.668	33.418	2.702	614.280	2,115.600	7,981.7	2,222.3	339.4	53.7	10,597.1
2621 4.0'	25.2	0.556	0.176	0.232	0.131	0.059	0.055	0.5	0.0	0.5	0.0	0.9
2622 4.0'	2.6	0.055	0.012	0.027	0.011	0.026	0.018	0.1	0.9	1.1	0.2	2.3
2623 4.0'	103.5	5.353	0.618	2.307	0.486	0.498	0.564	0.0	0.0	0.5	0.0	0.6
2624 4.0'	25.2	0.857	0.186	0.327	0.125	0.083	0.117	0.2	0.0	0.5	0.0	0.7
2625 4.0'	19.1	0.391	0.055	0.138	0.045	0.039	0.052	0.0	0.0	0.5	0.0	0.5
2626 4.0'	15.1	0.318	0.083	0.129	0.078	0.037	0.052	0.3	0.2	1.1	0.9	2.5
2627 4.0'	250.8	0.153	0.060	0.075	0.099	0.036	0.209	4.2	5.0	3.5	1.5	14.2
2628 4.0'	50,987.2	7.517	0.117	0.235	0.109	3.524	93.993	992.2	1,402.7	7.5	0.0	2,402.4
2629 4.0'	3,742.9	1.036	0.050	0.086	0.042	0.493	16.804	4,450.9	5,986.3	88.9	19.0	10,545.1
2630 4.0'	142.4	0.886	0.140	0.277	0.107	0.276	0.971	4.3	2.8	2.0	0.0	9.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2631 4.0'	68.6	0.362	0.163	0.183	0.138	0.072	0.092	0.1	0.8	1.3	0.2	2.5
2632 4.0'	108.4	0.328	0.071	0.489	0.061	15.304	74.142	916.4	575.8	145.4	13.2	1,650.8
2633 4.0'	2.8	0.048	0.020	0.024	0.019	0.024	0.024	0.0	0.1	0.6	0.0	0.7
2634 4.0'	527.5	0.451	0.109	0.166	0.074	0.056	0.073	0.1	0.4	0.8	0.1	1.4
2635 4.0'	10.6	0.387	0.157	0.157	0.101	0.040	0.049	0.0	0.0	0.6	0.0	0.6
2636 4.0'	4.7	0.134	0.028	0.045	0.026	0.043	0.021	0.0	0.0	1.2	0.0	1.2
2637 4.0'	2.5	0.082	0.075	0.050	0.050	0.072	0.025	0.0	0.0	0.3	0.0	0.3
2638 4.0'	69,028.1	34.841	0.191	0.797	0.140	25.657	201.560	3,364.7	3,068.7	822.6	0.8	7,256.8
2639 4.0'	54.7	1.565	0.236	0.733	0.159	0.143	0.247	0.0	0.0	0.2	0.1	0.4
2640 4.0'	18.9	0.015	0.004	0.029	0.018	0.028	0.110	0.4	1.4	0.7	0.0	2.4
2641 4.0'	6,230.4	2.502	0.181	0.888	0.162	11.237	58.840	201.6	79.4	0.0	0.0	281.0
2642 4.0'	4,867.5	4.547	0.212	0.886	0.176	0.251	0.386	0.0	0.0	0.0	0.0	0.0
2643 4.0'	0.8	0.021	0.003	0.016	0.014	0.043	0.000	0.0	0.0	0.0	0.0	0.0
2644 4.0'	39.3	0.247	0.086	0.074	0.076	0.041	0.257	1.2	0.1	0.8	0.0	2.1
2645 4.0'	34.6	0.966	0.082	0.467	0.080	0.120	0.271	0.0	0.0	0.6	0.0	0.6
2646 4.0'	120.6	0.157	0.013	0.138	0.039	0.052	0.224	14.1	4.6	1.0	0.2	19.9
2647 4.0'	532.5	1.566	0.124	0.695	0.120	0.164	0.220	0.0	0.0	0.4	0.2	0.6
2648 4.0'	63.2	1.934	0.694	0.753	0.507	0.166	0.659	2.3	0.7	0.6	0.0	3.6
2649 4.0'	13.1	0.393	0.070	0.175	0.066	0.049	0.070	0.0	0.0	0.4	0.0	0.4
2650 4.0'	519,220.0	126.854	0.139	6.020	0.000	195.500	890.920	2,006.1	1,212.7	3.2	0.0	3,222.0
2651 4.0'	182,854.2	42.734	0.000	5.477	0.129	227.190	2,326.100	113.3	2.2	0.0	0.0	115.5
2652 4.0'	89,392.4	10.547	0.108	0.395	0.154	7.092	16.292	187.0	91.6	0.0	0.0	278.6
2653 4.0'	76,677.4	13.469	2.315	0.617	0.149	3.645	15.447	9.9	7.1	0.0	0.0	17.0
2654 4.0'	300,668.5	82.281	0.022	2.361	0.106	154.740	1,380.500	3,723.5	1,358.3	0.0	0.0	5,081.7
2655 4.0'	1,547.2	0.751	0.043	0.097	0.037	0.050	0.050	0.0	0.0	0.7	0.0	0.7
2656 4.0'	1,529.6	32.779	0.478	10.382	0.327	2.169	1.709	0.0	0.0	0.6	0.0	0.6
2657 4.0'	513.1	3.702	0.569	1.167	0.389	0.262	0.414	2.1	2.0	1.1	0.1	5.3
2658 4.0'	150.7	3.446	0.413	1.671	0.295	0.381	0.613	0.0	0.1	0.5	0.0	0.6
2659 4.0'	150.5	0.303	0.074	0.124	0.048	0.036	0.035	0.0	0.0	0.5	0.3	0.8
2660 4.0'	677.7	5.539	0.396	3.076	0.335	0.721	0.984	0.0	0.2	0.6	0.1	0.9
2661 4.0'	89.7	1.925	0.479	0.835	0.354	0.187	0.419	2.0	1.8	0.8	0.0	4.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2662 4.0'	3,637.0	1.939	0.225	0.728	0.153	2.610	37.161	143.8	30.2	10.5	0.4	184.8
2663 4.0'	44,022.3	75.421	0.448	16.561	0.749	133.720	568.440	1,715.8	595.3	48.7	2.1	2,361.8
2664 4.0'	240.5	1.855	0.061	0.647	0.050	0.486	4.616	5.3	4.1	0.9	0.5	10.8
2665 4.0'	86,270.4	175.440	0.072	83.311	0.000	367.470	2,049.200	4,737.9	1,163.9	131.6	0.0	6,033.4
2666 4.0'	24,587.5	206.641	10.889	252.790	9.632	634.140	6,894.800	2,772.3	843.5	173.4	33.6	3,822.8
2667 4.0'	94,910.9	48.741	0.153	19.125	3.588	193.390	1,113.700	2,883.0	773.1	112.6	0.0	3,768.7
2668 4.0'	244,699.4	372.407	0.957	203.950	2.985	1,082.300	6,482.600	2,398.5	980.8	116.7	0.0	3,496.0
2669 4.0'	688.7	2.315	0.204	498.460	2.849	73.867	376.410	25.1	967.3	0.0	46.3	1,038.7
2670 4.0'	91,490.1	165.999	1.704	16.305	0.369	191.140	1,926.300	10,345.3	2,846.9	360.5	41.6	13,594.3
2671 4.0'	12,980.2	5.542	0.164	23.840	0.093	7.370	47.996	97.0	136.6	9.1	17.5	260.3
2672 4.0'	6,463.4	8.442	0.366	1.356	0.104	12.840	158.090	282.2	114.2	16.3	0.0	412.8
2673 4.0'	354,755.0	260.756	0.500	41.382	0.000	528.140	5,290.500	12,707.9	3,524.1	476.2	26.2	16,734.4
2674 4.0'	511,082.4	215.931	0.707	51.419	17.748	237.120	4,770.500	25,029.0	5,535.2	527.7	39.7	31,131.6
2675 1.5'	1,324.9	3.212	0.346	1.342	0.205	0.468	1.022	5.9	1.7	0.8	0.0	8.4
2676 4.0'	10,715.7	10.676	0.499	1.730	0.528	2.563	109.700	1,758.7	643.7	102.6	16.6	2,521.6
2677 4.0'	218,886.6	62.490	2.131	47.632	125.050	38.451	880.320	3,888.3	3,579.1	148.3	0.0	7,615.7
2678 4.0'	23,346.1	3.489	0.101	0.760	1.081	2.776	79.073	59.0	198.1	9.4	0.0	266.6
2679 4.0'	96,961.0	41.681	0.416	2.783	2.605	34.034	797.130	12,800.0	3,305.9	188.8	1.8	16,296.6
2680 4.0'	87,653.3	64.523	0.463	66.314	2.963	16.257	467.180	2,226.2	817.2	18.7	0.0	3,062.1
2681 4.0'	1,152.9	0.412	0.072	0.413	0.240	12.761	55.631	1,195.6	338.5	85.5	0.8	1,620.3
2682 4.0'	221,858.1	135.190	12.870	12.471	0.203	91.499	2,100.385	0.0	0.0	84.6	10.9	95.5
2683 4.0'	4.6	0.146	0.014	0.067	0.022	0.059	0.077	0.0	0.0	1.1	0.0	1.1
2684 4.0'	17.5	0.066	0.962	0.053	0.079	0.118	0.541	0.6	0.3	0.2	0.0	1.0
2685 4.0'	3,428.7	1.228	0.053	7.890	11.918	4.552	77.592	52.5	17.8	2.8	0.0	73.1
2686 4.0'	4,130.5	2.481	0.141	10.455	0.719	21.248	233.689	230.2	15.4	6.5	0.0	252.1
2687 4.0'	169.5	3.850	0.306	1.704	0.219	0.376	0.648	0.7	0.7	0.6	0.0	2.0
2694 4.0'	386.2	0.759	0.143	0.427	0.124	0.099	0.237	0.0	0.1	0.4	0.0	0.5
2695 4.0'	54.6	0.956	0.041	0.334	0.031	0.099	0.170	0.0	0.0	0.5	0.0	0.5
2696 4.0'	125,633.4	26.516	0.579	2.721	0.622	3.891	11.647	7.7	0.0	0.0	0.0	7.7
2697 4.0'	88.6	2.986	1.338	1.296	0.915	0.193	0.336	0.0	0.0	0.4	0.0	0.4
2698 4.0'	3,082.4	2.307	0.259	1.273	0.202	0.243	0.474	0.0	0.0	0.4	0.0	0.4



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2699 4.0'	15.5	0.654	0.094	0.306	0.103	0.095	0.137	0.0	0.0	0.5	0.0	0.5
2700 4.0'	748.1	2.435	0.115	0.817	0.096	0.206	0.243	0.0	0.0	0.4	0.0	0.4
2701 4.0'	40,116.8	8.980	0.583	4.012	0.345	0.759	1.609	104.6	117.8	63.7	0.0	286.0
2702 4.0'	13,708.4	5.430	0.199	2.637	0.152	0.635	0.858	0.0	0.0	0.4	0.0	0.4
2703 4.0'	131,821.6	19.199	3.848	2.982	0.451	0.670	1.043	0.5	0.0	0.0	0.0	0.5
2704 4.0'	49.4	0.364	0.057	0.117	0.038	0.045	0.040	0.1	0.0	0.5	0.0	0.6
2705 4.0'	796.7	4.238	0.495	1.338	0.340	0.269	0.460	0.3	0.0	0.5	0.0	0.7
2706 2.0'	6.9	0.023	0.007	0.739	0.041	0.309	0.346	0.2	0.2	0.1	0.0	0.5
2707 4.0'	8.8	0.299	0.012	0.112	0.026	0.030	0.048	0.2	0.1	0.5	0.0	0.8
2708 3.0'	177.4	4.662	0.306	1.512	0.201	0.309	0.440	0.0	0.0	0.3	0.0	0.3
2710 3.0'	166.2	2.992	0.046	1.051	0.058	0.266	0.262	0.0	0.0	0.3	0.0	0.3
2712 4.0'	224.1	1.093	0.035	0.195	0.042	0.067	0.058	0.3	1.4	0.7	0.0	2.4
2714 4.0'	27.1	0.712	0.097	0.328	0.091	0.081	0.095	0.1	0.0	0.3	0.0	0.4
2715 4.0'	742.5	0.128	0.046	0.189	0.130	0.088	0.086	0.0	0.0	0.0	0.0	0.0
2716 4.0'	22.5	0.395	0.056	0.200	0.045	0.081	0.089	0.4	0.0	0.4	0.0	0.8
2717 4.0'	322.1	0.133	0.060	0.078	0.033	0.024	0.050	0.0	0.0	0.4	0.0	0.5
2718 4.0'	1.0	0.023	0.006	0.013	0.014	0.015	0.007	0.0	0.0	0.3	0.0	0.4
2719 4.0'	6,044.2	1.500	0.206	0.750	0.131	0.199	0.303	0.0	0.0	0.4	0.0	0.4
2720 4.0'	1,672.3	8.590	0.465	3.420	0.349	0.753	0.942	0.0	0.0	0.4	0.0	0.4
2721 4.0'	22.3	0.530	0.168	0.207	0.119	0.055	0.093	0.0	0.0	0.3	0.0	0.3
2722 4.0'	163.0	2.226	0.100	0.724	0.090	0.176	0.219	0.0	0.0	0.5	0.0	0.5
2723 4.0'	24.6	0.758	0.060	0.398	0.053	0.116	0.157	0.4	0.4	0.6	0.0	1.4
2724 4.0'	14,560.8	1.122	0.101	0.438	0.105	0.115	0.165	0.5	6.9	2.2	0.0	9.6
2725 4.0'	118,872.2	19.710	0.024	12.268	0.373	4.644	21.867	39.9	151.7	77.9	1.8	271.3
2726 4.0'	38,548.6	4.097	0.556	1.113	0.295	0.279	0.797	8.7	20.0	0.7	0.0	29.4
2727 4.0'	11,338.3	22.892	0.802	2.867	0.846	1.418	9.392	188.2	262.5	36.2	1.2	488.0
2728 4.0'	186,864.9	40.195	0.834	3.652	0.619	1.592	5.088	71.9	143.2	53.3	4.1	272.5
2729 4.0'	11,572.0	4.378	0.284	0.363	0.081	0.465	0.619	2.1	0.8	0.7	0.0	3.6
2730 4.0'	9,317.7	2.229	0.477	1.109	0.359	0.229	0.414	0.0	0.0	0.6	0.0	0.6
2731 4.0'	489.8	1.115	0.335	0.142	0.222	0.027	0.047	0.0	0.0	0.3	0.0	0.3
2732 4.0'	27,232.9	2.277	0.495	0.996	0.388	0.147	0.845	5.6	9.2	3.6	0.0	18.4



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2733 4.0'	31,288.5	1.444	0.047	0.425	0.048	0.144	0.247	0.0	0.0	0.3	0.0	0.3
2734 4.0'	14,595.1	3.923	0.271	1.822	0.324	0.382	0.557	0.0	0.0	1.2	3.2	4.4
2735 4.0'	11,131.2	10.929	5.340	4.399	4.241	0.518	1.515	0.0	0.0	0.6	0.0	0.6
2736 4.0'	5.4	0.076	0.017	0.044	0.020	0.034	0.020	0.0	0.0	0.3	0.0	0.3
2737 4.0'	25.8	0.806	0.206	0.366	0.157	0.083	0.145	0.0	0.0	0.4	0.0	0.4
2738 4.0'	21.4	0.554	0.155	0.224	0.124	0.069	0.073	0.0	0.0	0.7	0.0	0.7
2739 4.0'	18.5	0.273	0.115	0.102	0.099	0.033	0.047	0.0	0.0	0.4	0.0	0.4
2740 4.0'	9,964.8	3.157	0.299	1.412	0.262	0.206	0.280	0.0	0.0	1.2	2.9	4.1
2741 4.0'	105.0	0.951	0.119	0.313	0.106	0.074	0.087	0.1	0.0	0.4	0.0	0.5
2742 4.0'	142.9	0.674	0.040	0.252	0.049	0.071	0.080	0.0	0.0	0.6	0.0	0.6
2743 4.0'	22.0	1.224	1.514	0.556	1.075	0.074	0.216	0.1	0.0	0.7	0.0	0.8
2744 4.0'	76.4	0.696	0.122	0.230	0.111	0.065	0.087	0.2	0.5	1.5	0.2	2.3
2745 4.0'	4,901.8	6.551	0.424	2.158	0.300	1.254	0.616	0.0	0.1	0.7	0.0	0.8
2746 4.0'	22.1	0.652	0.335	0.240	0.228	0.041	0.094	0.1	0.0	0.4	0.0	0.5
2747 1.5'	101.9	0.689	0.088	0.258	0.086	0.126	0.118	0.1	0.0	1.0	0.0	1.2
2748 4.0'	60.4	0.971	0.341	0.862	0.311	0.122	0.699	0.1	0.1	0.3	0.0	0.5
2749 4.0'	743.4	0.863	0.148	0.290	0.140	0.071	0.110	0.0	0.0	0.4	0.0	0.4
2750 4.0'	152.7	1.296	0.546	0.451	0.378	0.068	0.185	0.5	0.0	0.4	0.0	0.9
2751 4.0'	36.7	0.028	0.034	0.044	0.043	0.036	0.021	0.1	0.2	0.1	0.0	0.4
2752 4.0'	954.9	0.366	0.101	0.174	0.097	0.088	0.067	0.0	0.0	0.5	0.0	0.5
2753 4.0'	555.5	0.232	0.137	0.135	0.129	0.027	0.096	0.0	0.0	0.6	0.3	0.9
2754 4.0'	174,976.3	1.913	0.074	0.827	0.116	0.727	0.582	19.9	127.3	42.4	0.0	189.7
2755 4.0'	314.4	0.176	0.072	0.077	0.066	0.027	0.041	0.1	0.0	0.5	0.0	0.5
2756 4.0'	5.4	0.003	0.002	0.084	0.040	0.145	0.034	0.1	0.0	0.0	0.0	0.1
2757 4.0'	27,669.3	5.155	0.322	0.397	0.000	0.261	0.068	9.3	87.9	40.9	0.0	138.2
2758 2.5'	80,725.8	11.658	2.323	0.379	0.526	0.172	0.285	834.6	2,825.0	3,012.1	1,641.1	8,312.7
2759 4.0'	668,414.1	37.266	0.000	0.557	0.054	1.586	1.436	260.9	593.2	278.0	3.8	1,135.9
2760 4.0'	517,078.6	25.497	0.000	1.624	0.432	1.213	1.532	94.7	313.9	204.8	17.3	630.8
2761 4.0'	543,748.6	21.479	7.532	1.516	0.861	0.720	1.729	259.5	409.5	125.6	3.5	798.2
2762 4.0'	153,512.8	2.271	0.237	0.898	0.663	0.608	0.773	87.4	133.3	12.6	0.0	233.4
2763 4.0'	99.9	0.068	0.013	0.008	0.017	0.017	0.027	1.5	20.5	42.8	20.7	85.5



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2764 4.0'	11,773.5	1.688	0.491	0.947	2.253	0.308	0.442	0.0	15.5	64.1	61.6	141.1
2765 4.0'	17.1	0.159	0.022	0.086	0.146	0.037	0.024	0.0	0.0	0.2	0.0	0.2
2766 4.0'	56,360.7	7.032	1.690	0.922	0.354	0.580	1.005	40.7	39.3	2.2	0.0	82.2
2767 4.0'	21,017.1	5.153	0.768	1.635	0.440	0.575	0.922	14.6	6.7	1.5	0.0	22.8
2768 4.0'	11.2	0.050	0.023	0.058	0.039	0.069	0.023	0.3	0.1	0.9	0.0	1.3
2769 3.0'	45.8	0.045	0.027	0.138	0.039	0.289	0.195	3.6	10.1	50.7	0.7	65.1
2770 4.0'	21.9	0.394	0.101	0.163	0.066	0.050	0.069	0.0	0.0	2.3	0.0	2.3
2771 4.0'	10.5	0.184	0.028	0.093	0.023	0.057	0.035	0.0	0.0	0.8	5.9	6.7
2772 4.0'	39,068.3	1.235	0.348	1.111	0.791	0.953	0.852	0.0	37.4	38.4	3.7	79.6
2773 3.0'	133.3	7.726	0.772	2.391	0.492	0.465	0.628	0.0	0.0	0.7	0.0	0.7
2775 4.0'	501,203.2	179.300	0.253	3.197	0.188	1.685	4.839	157.7	469.5	114.4	6.5	748.2
2776 3.0'	87,057.0	15.159	0.189	0.986	0.138	0.298	0.862	9.7	11.3	5.0	0.0	26.0
2777 4.0'	494,975.3	23.002	0.000	4.703	0.087	4.327	28.843	516.2	202.5	1.3	0.0	720.0
2778 4.0'	548,640.0	107.752	0.161	3.145	0.000	1.600	6.127	181.6	286.9	10.7	4.2	483.4
2779 3.5'	2.8	0.060	0.002	0.104	0.027	0.084	0.042	0.0	0.0	0.0	0.0	0.0
2780 4.0'	10,520.0	3.685	0.983	0.801	0.578	0.115	0.936	2.3	15.0	4.0	0.0	21.3
2781 3.5'	2,386.8	0.440	0.038	0.627	0.156	0.262	1.183	0.4	1.9	0.3	0.0	2.6
2782 3.0'	32.7	0.025	0.034	0.509	0.177	0.243	1.343	4.7	3.3	0.0	0.0	8.0
2783 4.0'	158,393.3	19.178	0.192	6.273	0.000	0.162	0.807	115.9	391.5	108.8	0.8	617.0
2784 4.0'	22,551.0	1.303	0.430	0.857	0.383	0.934	0.985	7.3	5.3	0.0	0.0	12.6
2785 2.0'	199,901.0	16.272	4.731	1.863	0.090	1.443	15.424	95.0	183.4	19.4	0.0	297.8
2786 3.0'	2,058.8	3.194	0.726	1.048	0.639	0.324	1.023	19.2	47.6	68.6	29.7	165.1
2787 2.5'	11.5	0.011	0.004	0.267	0.022	0.188	0.239	0.0	0.0	0.2	0.0	0.2
2788 2.5'	30.4	0.040	0.000	0.199	0.058	0.125	0.031	0.0	0.0	1.1	0.6	1.7
2789 2.5'	5,696.5	1.291	0.177	0.453	0.225	0.173	0.372	1.1	7.4	8.2	5.1	21.8
2790 4.0'	261,785.2	13.539	11.757	0.864	0.483	0.373	11.812	7.3	1.6	0.0	0.0	8.9
2791 4.0'	7,300.4	0.420	0.188	0.269	0.265	0.193	0.539	2.3	16.3	9.2	1.9	29.8
2792 4.0'	25,901.1	0.920	0.347	0.751	0.406	0.495	1.329	7.2	8.8	1.9	0.8	18.7
2793 4.0'	132,699.4	16.249	3.431	1.240	0.206	0.502	1.135	30.6	64.9	7.2	0.3	103.0
2794 4.0'	37,080.0	7.601	1.065	1.411	0.203	0.373	0.558	11.0	19.2	10.8	0.4	41.5
2795 4.0'	45,058.7	7.834	2.415	1.265	0.424	0.387	0.590	24.9	36.3	10.8	0.8	72.8





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2796 4.0'	352,529.0	43.340	0.675	18.735	0.357	2.830	6.714	5.4	30.6	11.0	0.0	47.1
2797 4.0'	1,709.9	4.646	1.546	1.836	1.075	0.287	0.558	0.0	2.1	7.9	2.5	12.5
2798 4.0'	365,611.5	53.844	0.062	20.902	0.222	9.743	155.010	228.3	324.3	77.3	0.3	630.1
2799 4.0'	159,792.5	22.123	6.462	3.781	0.205	0.915	1.587	7.9	4.2	0.0	0.0	12.1
2800 4.0'	122,570.3	11.394	2.845	1.779	0.091	0.938	4.806	44.0	59.6	23.3	0.0	126.9
2801 4.0'	541.5	3.935	0.505	1.334	0.368	0.256	0.344	0.0	0.0	0.5	0.0	0.5
2802 3.5'	853.2	2.093	0.100	1.226	0.077	0.282	0.536	0.0	0.0	0.6	0.0	0.6
2803 2.5'	3,384.4	292.230	0.220	24.298	0.298	0.490	0.340	0.0	0.0	0.4	0.0	0.4
2804 3.5'	66.9	1.591	0.166	0.613	0.147	0.096	0.173	0.0	0.0	0.3	0.0	0.3
2805 4.0'	14.6	0.398	0.131	0.180	0.116	0.039	0.053	0.0	0.0	0.4	0.0	0.4
2806 3.5'	1,160.7	0.515	0.155	0.289	0.205	0.131	0.406	0.9	3.0	1.3	0.2	5.4
2807 4.0'	28,069.7	8.690	1.554	2.299	0.626	1.054	1.935	0.3	0.0	0.2	0.0	0.5
2808 3.0'	69,082.3	14.820	3.389	3.806	0.380	1.030	1.223	0.0	0.0	0.4	0.0	0.4
2809 3.0'	29.6	0.340	0.068	0.120	0.078	0.079	0.040	0.1	0.0	0.1	0.0	0.2
2810 2.5'	8.3	0.016	0.009	0.210	0.114	0.096	0.103	0.1	0.0	0.1	0.0	0.2
2811 3.0'	2,544.7	6.907	4.261	1.630	2.083	0.201	0.312	0.0	0.0	0.2	0.0	0.2
2812 2.0'	18,411.8	1.445	0.245	0.494	0.093	0.143	0.120	0.4	0.4	0.0	0.0	0.9
2813 2.0'	714.0	0.279	0.000	0.142	0.025	0.024	0.023	1.0	0.2	1.5	4.7	7.4
2814 3.5'	76,707.7	11.736	5.325	1.903	0.000	0.609	3.902	11.6	3.1	1.2	0.7	16.6
2815 4.0'	2,022.7	0.834	0.213	0.375	0.212	0.086	0.103	0.0	0.0	0.5	0.0	0.5
2816 3.0'	64.1	1.427	0.073	0.487	0.050	0.119	0.150	0.0	0.0	0.3	0.0	0.3
2817 4.0'	20,985.3	11.990	1.358	3.081	0.655	0.668	0.882	0.0	0.0	0.3	0.0	0.3
2818 3.5'	176,196.5	8.734	0.994	0.085	8.171	0.000	5.945	59.5	49.1	8.6	0.8	117.9
2819 3.0'	994.2	0.238	0.024	0.075	0.032	0.041	0.030	0.0	0.0	1.0	0.0	1.0
2820 4.0'	35,395.8	6.790	1.825	2.158	1.016	0.258	0.484	0.0	0.0	0.6	0.0	0.6
2821 3.0'	64.3	1.396	0.554	0.561	0.389	0.153	0.171	0.0	0.0	0.3	0.0	0.3
2822 4.0'	29,113.7	1.053	0.493	0.475	0.374	0.089	0.114	0.2	0.4	0.6	0.0	1.2
2823 4.0'	19,763.8	3.425	0.467	1.368	0.292	0.162	0.242	0.3	0.8	1.3	0.0	2.3
2824 4.0'	11,442.5	8.343	0.838	2.934	0.439	0.621	0.758	0.0	0.0	1.1	0.2	1.3
2825 3.5'	25,095.6	9.244	2.618	0.527	0.089	0.176	0.311	2.2	1.2	1.0	0.2	4.5
2826 4.0'	3,499.0	2.376	0.398	0.743	0.315	0.159	0.216	0.0	0.0	0.8	0.0	0.8



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2827 4.0'	90,573.7	11.041	0.000	3.394	0.030	0.574	0.725	7.4	0.0	6.0	7.6	21.0
2828 4.0'	26.8	0.326	0.026	0.160	0.033	0.053	0.055	0.0	0.0	0.4	0.0	0.4
2829 4.0'	52.2	1.152	0.298	0.437	0.250	0.097	0.171	0.0	0.0	0.6	0.0	0.6
2830 4.0'	18,404.2	1.038	0.367	0.813	0.289	0.078	0.126	0.0	0.0	0.6	0.0	0.6
2831 4.0'	3.2	0.044	0.017	0.035	0.036	0.040	0.063	0.3	0.0	0.5	0.0	0.8
2832 4.0'	13,035.8	0.660	0.243	0.283	0.204	0.074	0.109	0.0	5.0	5.7	0.0	10.6
2833 4.0'	4,597.8	0.353	0.210	0.186	0.143	0.071	0.297	5.0	24.2	0.3	0.0	29.5
2834 4.0'	23,296.9	6.297	0.914	2.105	0.616	0.575	0.861	0.0	1.9	1.5	0.0	3.4
2835 4.0'	2,188.4	1.738	0.121	0.787	0.108	0.246	0.255	0.0	0.0	0.5	0.0	0.5
2836 4.0'	14,274.9	2.930	0.372	2.074	0.227	0.535	0.290	0.0	0.0	0.8	1.5	2.2
2837 4.0'	83,645.2	7.891	1.499	5.828	3.822	1.549	1.327	0.7	0.0	0.2	0.0	0.9
2838 4.0'	1,176.9	0.201	0.040	0.142	0.041	0.042	0.039	0.0	0.0	1.7	0.4	2.2
2839 4.0'	215,161.0	15.048	0.499	3.971	0.647	0.775	0.849	15.9	14.4	6.2	0.0	36.5
2840 4.0'	13,368.9	0.432	0.131	0.151	0.942	0.119	0.087	0.9	7.7	20.6	3.8	33.0
2841 4.0'	53,185.7	19.191	1.733	1.727	1.486	1.110	2.920	16.8	78.2	81.4	4.0	180.4
2842 4.0'	15.8	0.322	0.033	0.128	0.028	0.051	0.052	0.0	0.1	0.7	0.0	0.8
2843 4.0'	4,074.7	3.458	0.095	1.359	0.073	0.289	0.323	0.0	0.0	0.5	0.0	0.5
2844 4.0'	69,851.8	13.979	2.443	1.442	0.128	0.412	0.287	5.5	8.8	3.4	0.0	17.6
2845 4.0'	2,005.3	1.496	0.178	0.734	0.174	0.164	0.175	0.0	0.0	0.8	0.0	0.8
2846 4.0'	17,453.8	9.334	0.592	2.805	0.309	0.700	0.843	0.0	0.0	0.8	0.0	0.8
2847 4.0'	7,663.7	1.881	0.329	0.665	0.257	0.132	0.241	0.0	0.0	0.6	0.0	0.6
2848 3.0'	14,623.3	2.783	0.024	1.737	0.076	0.460	0.689	0.0	0.0	0.0	0.0	0.0
2849 4.0'	1,351.1	1.571	0.530	1.183	0.428	0.252	0.700	0.0	0.0	0.4	0.0	0.4
2850 4.0'	1,360.7	3.048	0.105	0.869	0.073	0.201	0.232	0.0	0.0	0.3	0.0	0.3
2851 4.0'	314.2	2.135	0.307	1.145	0.236	0.252	0.568	0.0	0.2	0.5	0.0	0.7
2852 4.0'	12.6	0.109	0.018	0.052	0.035	0.081	0.017	0.1	0.0	0.0	0.0	0.1
2853 4.0'	46,634.4	0.843	0.626	0.424	0.469	0.155	1.014	2.4	5.3	1.2	0.0	8.9
2854 2.5'	323.9	1.775	0.082	1.162	0.101	0.470	0.480	0.0	0.2	0.6	0.2	1.1
2855 3.0'	1,074.8	0.143	0.096	0.215	0.270	0.137	0.172	0.0	0.0	0.4	0.1	0.5
2856 2.5'	34,546.7	6.502	2.874	1.234	0.478	0.456	0.761	9.3	0.8	1.1	0.5	11.6
2856 4.0'	375.4	0.548	0.045	0.164	0.030	0.059	0.053	0.0	0.0	0.5	0.0	0.5



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2857 4.0'	22,011.9	1.252	0.020	0.516	0.021	0.147	0.361	0.6	0.0	0.8	0.0	1.4
2858 4.0'	59.4	0.306	0.022	0.175	0.026	0.068	0.100	0.0	0.0	0.8	0.0	0.8
2859 4.0'	426,858.1	0.375	0.000	3.586	0.182	1.577	13.518	5.5	1.5	0.0	0.0	7.0
2860 4.0'	20.9	0.460	0.082	0.211	0.054	0.053	0.095	0.1	0.0	0.5	0.0	0.6
2861 2.0'	8,186.2	3.860	0.028	0.859	0.025	0.199	0.213	0.0	0.0	0.5	0.0	0.5
2862 4.0'	23,495.8	6.185	0.793	1.566	0.348	0.335	0.443	0.0	0.0	0.6	0.0	0.6
2863 4.0'	177,811.8	4.430	0.281	3.044	0.229	1.010	1.632	0.0	3.1	1.2	2.4	6.7
2864 3.0'	144,051.3	5.094	0.000	2.521	0.312	0.057	1.013	0.0	0.0	0.0	0.0	0.0
2866 4.0'	308.3	0.353	0.043	0.145	0.035	0.065	0.046	0.0	0.0	0.5	0.0	0.5
2867 4.0'	22,391.8	14.915	0.083	0.303	0.037	0.178	0.530	2.5	0.3	0.9	0.0	3.7
2868 4.0'	60,715.6	37.403	1.550	9.023	1.289	2.040	2.035	2.9	1.4	0.0	0.0	4.3
2869 4.0'	348,825.7	80.573	9.748	4.421	0.997	2.404	10.077	256.3	604.4	193.0	1.8	1,055.5
2870 4.0'	213,997.0	47.473	3.969	11.829	14.775	7.012	37.421	174.7	397.8	114.0	0.0	686.5
2871 3.5'	1,810.9	0.785	0.007	0.064	0.007	0.022	0.042	0.0	0.0	0.4	0.4	0.8
2872 4.0'	2,770.5	2.731	0.295	0.285	1.053	0.302	0.281	0.0	0.0	1.3	0.0	1.3
2873 4.0'	62,968.4	9.370	3.118	2.486	0.523	0.930	0.675	0.6	3.0	6.7	3.3	13.5
2874 4.0'	34,336.7	12.107	1.661	5.973	0.383	1.257	0.969	0.0	0.0	0.5	0.0	0.5
2875 4.0'	10,296.7	3.323	0.435	1.478	1.611	0.162	0.203	0.0	0.4	0.7	0.0	1.0
2876 3.5'	16,798.5	4.327	0.960	1.143	0.463	0.314	0.434	0.0	0.0	0.5	0.0	0.5
2877 4.0'	8,712.7	5.480	0.412	1.864	0.247	0.358	0.503	0.0	0.0	0.4	0.0	0.4
2878 4.0'	55,141.7	7.139	0.313	4.422	0.265	0.587	1.148	1.7	4.1	3.9	0.0	9.7
2879 4.0'	62,344.6	14.962	15.255	1.459	0.234	0.574	1.094	15.8	15.3	1.3	0.5	33.0
2880 2.0'	14,322.6	4.545	1.353	1.597	1.135	0.456	0.601	0.0	2.9	36.8	48.4	88.2
2881 4.0'	45,557.0	2.582	0.000	2.137	0.849	0.392	0.973	1.1	2.7	0.0	0.0	3.8
2882 2.5'	22.9	0.068	0.009	0.035	0.020	0.026	0.026	0.0	0.6	1.0	0.0	1.6
2883 4.0'	4,024.8	2.637	0.382	1.540	0.458	0.265	0.456	0.0	1.9	1.0	0.0	2.9
2884 4.0'	184,550.9	20.583	0.526	10.817	1.082	4.827	5.230	5.2	5.4	0.0	0.0	10.6
2885 3.0'	27,304.0	11.213	0.299	3.121	0.373	1.169	2.803	28.1	55.2	25.3	1.2	109.8
2886 4.0'	308,630.7	34.852	0.910	5.731	0.495	3.269	15.871	244.4	592.7	342.7	4.5	1,184.3
2887 4.0'	1,245.9	2.536	0.132	0.949	0.086	0.232	0.289	0.5	2.5	1.3	0.0	4.4
2888 4.0'	166,894.2	28.489	0.750	2.610	0.543	1.814	5.641	23.7	186.8	197.6	5.2	413.3



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2889 3.0'	2,759.0	6.542	0.550	2.676	0.360	0.716	0.874	0.0	0.0	0.5	0.0	0.5
2890 4.0'	9,457.3	2.887	0.288	0.972	0.086	0.224	0.346	0.0	0.0	0.4	0.0	0.4
2891 4.0'	698.9	0.273	0.145	0.173	0.144	0.172	0.050	0.0	0.0	0.2	0.0	0.2
2892 4.0'	330,399.6	18.736	5.326	1.903	1.241	0.424	0.701	0.0	0.0	0.0	0.0	0.0
2894 3.0'	5,265.7	0.752	0.033	0.279	0.027	0.098	0.180	0.0	0.4	6.7	2.0	9.1
2895 4.0'	75,407.2	7.533	2.013	1.021	0.300	0.297	1.152	44.0	11.0	1.5	1.8	58.2
2896 2.5'	68,854.2	1.925	0.347	1.336	1.235	0.448	0.886	0.7	54.6	125.7	85.2	266.3
2897 4.0'	148,085.2	1.004	0.000	1.792	0.360	0.000	0.510	10.5	25.9	2.5	0.2	39.1
2898 4.0'	13,146.4	4.481	1.050	1.221	0.606	0.252	0.799	0.0	23.7	6.7	0.0	30.4
2899 4.0'	62,538.1	14.015	3.445	2.576	1.075	0.551	1.254	2.7	3.7	0.6	0.0	7.0
2900 4.0'	19,336.9	8.891	1.775	2.694	1.230	0.476	0.943	0.0	0.0	0.7	0.0	0.7
2902 4.0'	19.2	0.051	0.024	0.155	0.189	0.109	0.041	0.0	0.0	0.0	0.0	0.0
2903 4.0'	25.1	0.575	0.065	0.258	0.048	0.068	0.079	0.0	0.0	0.5	0.0	0.5
2904 4.0'	1,721.3	13.042	1.291	4.683	0.750	0.949	1.234	0.0	0.0	0.6	0.0	0.6
2905 2.0'	51,348.7	18.301	0.273	3.393	0.234	0.979	1.735	35.1	30.3	20.2	17.1	102.7
2906 4.0'	571,991.9	40.103	0.000	5.553	0.154	3.980	7.769	167.3	595.9	401.4	24.4	1,189.1
2907 4.0'	129,094.9	46.714	0.401	3.982	0.277	1.255	3.394	49.6	166.2	82.3	1.1	299.3
2908 4.0'	2,498.4	2.145	0.225	0.873	0.155	0.151	0.417	0.8	2.6	3.0	3.6	9.9
2909 4.0'	26,352.4	10.318	1.142	3.025	0.443	0.659	1.915	0.9	0.0	0.7	0.0	1.6
2910 4.0'	159,402.9	21.400	0.000	0.074	0.011	0.082	0.213	2.6	0.0	0.0	0.0	2.6
2911 4.0'	42,265.6	9.135	4.086	2.008	1.655	0.436	2.982	1.8	22.8	26.9	4.4	55.8
2912 4.0'	87,770.0	131.714	0.000	2.565	0.000	0.877	1.971	120.4	64.8	69.8	26.8	281.8
2913 4.0'	166.2	1.242	0.016	0.368	0.017	0.102	0.092	0.0	0.0	0.4	0.0	0.4
2914 4.0'	4.9	0.012	0.019	0.016	0.021	0.021	0.013	0.0	0.0	0.3	0.0	0.3
2915 4.0'	657.0	0.215	0.178	0.187	0.016	0.026	0.066	0.0	0.0	0.0	0.0	0.0
2916 4.0'	1,226.0	0.012	0.000	0.006	0.007	0.027	0.006	0.0	0.0	0.3	0.0	0.3
2917 4.0'	197.7	0.176	0.005	0.007	0.003	0.016	0.000	0.0	0.0	0.4	0.0	0.4
2918 3.0'	5,709.4	1.331	0.175	0.723	0.149	0.179	0.503	1.8	1.0	2.3	3.3	8.4
2919 4.0'	297,454.3	6.928	0.000	0.148	0.000	0.329	0.625	24.6	27.1	9.6	4.6	66.0
2920 4.0'	157.8	0.504	0.032	0.318	0.039	0.083	0.097	0.1	91.6	6.0	0.0	97.8
2921 4.0'	958.2	0.329	0.019	0.506	0.044	0.132	0.231	16.0	3.2	3.0	2.0	24.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2922 4.0'	835.7	4.147	1.326	1.693	1.033	0.342	0.481	2.4	3.3	2.5	0.8	8.9
2923 4.0'	117.2	0.822	0.061	0.407	0.063	0.116	0.155	2.9	2.6	1.3	0.3	7.2
2924 2.5'	12,460.6	3.138	0.590	0.604	0.090	0.182	0.357	5.1	7.6	2.8	0.0	15.5
2925 4.0'	92.9	2.429	0.216	1.042	0.174	0.248	0.366	0.0	0.5	0.4	0.2	1.2
2926 4.0'	147.2	1.354	0.041	0.359	0.038	0.093	0.124	0.0	0.0	0.4	0.0	0.4
2927 4.0'	1,372.4	0.128	0.026	0.060	0.014	0.033	0.037	1.4	2.9	0.6	0.0	4.9
2928 4.0'	12,132.0	8.884	0.128	3.382	0.111	1.017	1.263	0.0	0.2	1.3	0.2	1.7
2929 4.0'	25,512.0	1.608	0.166	0.309	0.048	0.103	0.278	17.4	0.4	0.0	0.0	17.8
2930 4.0'	113.9	0.301	0.209	0.111	0.126	0.038	0.085	0.1	0.7	1.4	0.0	2.2
2931 4.0'	1,770.2	2.225	0.024	0.351	0.132	0.152	0.259	0.0	0.3	0.1	0.1	0.6
2932 4.0'	538,650.3	5.061	0.000	0.318	0.211	3.627	278.800	16,430.0	6,798.4	728.8	8.1	23,965.3
2933 4.0'	186,486.8	6.292	0.523	0.469	0.175	0.520	4.516	86.5	570.8	1,843.8	634.9	3,136.1
2934 4.0'	57,408.5	1.430	0.000	0.000	0.148	0.144	1.091	520.8	565.6	302.7	32.3	1,421.4
2935 4.0'	515.2	1.670	0.049	0.462	0.041	0.119	0.156	0.0	1.2	1.5	0.0	2.7
2936 4.0'	2,814.5	0.308	0.031	0.096	0.027	0.043	0.042	0.0	0.0	0.5	0.0	0.5
2937 4.0'	33.4	0.196	0.187	0.123	0.099	0.097	0.046	0.0	0.0	0.1	0.0	0.1
2938 3.0'	9,579.5	2.955	0.145	1.250	0.099	0.279	0.475	5.8	7.6	0.3	0.0	13.7
2939 4.0'	3,178.7	0.939	0.390	0.325	0.062	0.090	0.161	21.6	19.2	0.6	0.4	41.8
2940 4.0'	419.2	0.854	0.090	0.219	0.080	0.082	0.139	7.2	2.6	5.7	0.0	15.5
2941 4.0'	488,316.7	21.794	3.637	2.839	0.521	2.550	214.960	6,226.5	2,710.6	256.6	12.9	9,206.6
2942 4.0'	231,883.3	3.553	0.000	0.902	0.113	0.970	2.734	0.0	662.1	709.5	60.1	1,431.8
2943 3.0'	148,616.0	8.230	0.000	0.174	0.403	0.517	30.197	13,147.7	6,581.1	1,390.9	82.4	21,202.1
2944 4.0'	20,617.6	4.597	0.374	0.791	0.018	0.227	0.366	88.1	225.9	103.9	7.2	425.1
2945 4.0'	173,555.2	6.142	0.000	0.160	0.173	0.393	18.855	4,641.1	3,108.0	955.0	36.1	8,740.2
2946 4.0'	44,527.6	0.977	0.000	0.392	0.013	0.102	0.304	10.3	22.1	21.7	0.0	54.1
2947 4.0'	136,164.3	1.171	0.275	1.306	0.510	0.138	0.190	109.8	525.0	1,611.1	774.3	3,020.1
2948 2.5'	140.8	0.113	0.200	0.044	0.025	0.021	0.049	1.3	1.3	2.0	1.0	5.6
2949 4.0'	1,810.8	4.304	0.246	1.779	0.151	0.445	0.618	5.5	19.8	69.2	251.7	346.2
2950 4.0'	11,996.0	20.999	2.651	3.828	1.834	1.148	2.609	0.0	0.9	3.9	0.0	4.8
2951 4.0'	389.3	1.337	0.157	0.642	0.170	0.149	1.489	0.0	41.0	2.5	0.8	44.3
2952 4.0'	88,110.6	6.008	0.143	2.810	0.000	3.180	79.335	553.3	348.2	62.7	0.0	964.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2953 4.0'	541,344.7	36.273	0.000	0.443	0.517	2.716	135.397	3,504.1	2,540.1	545.5	27.2	6,617.0
2954 4.0'	47,424.7	4.569	0.199	4.053	8.413	0.868	19.395	3,292.5	1,563.3	250.6	6.7	5,113.1
2955 4.0'	124,695.8	4.830	0.000	0.283	0.000	0.174	0.657	45.1	137.1	152.4	1.0	335.6
2956 4.0'	331,778.0	3.184	0.000	0.798	0.123	0.322	0.843	28.0	120.3	222.7	45.4	416.5
2957 4.0'	4,782.8	0.319	0.012	0.201	0.026	0.053	0.104	0.4	7.3	18.5	3.5	29.6
2958 4.0'	14.6	0.500	0.000	0.037	0.016	0.022	0.015	0.0	0.0	6.3	1.3	7.6
2959 4.0'	5,260.5	4.422	0.422	1.808	0.292	0.504	0.697	0.0	2.7	9.4	100.3	112.5
2960 3.0'	1,315.3	8.280	0.447	2.651	0.288	0.553	1.078	2.1	6.0	14.2	8.2	30.6
2961 3.0'	158,443.3	46.584	0.678	2.896	0.388	0.998	9.548	98.6	86.6	9.4	0.6	195.1
2962 4.0'	81,598.0	6.614	1.544	0.769	0.619	2.981	108.220	4,725.0	2,453.7	242.2	6.6	7,427.4
2963 4.0'	39,257.4	3.538	0.243	0.717	0.151	1.435	25.017	318.4	423.4	131.9	7.0	880.7
2964 4.0'	324,653.5	22.774	5.427	22.703	25.085	2.274	181.350	301.8	744.9	970.8	137.7	2,155.2
2965 4.0'	26,612.9	1.149	0.063	0.613	0.078	0.342	0.307	0.0	30.2	58.3	0.0	88.4
2966 4.0'	52,379.7	1.243	0.173	0.697	0.114	0.107	0.083	450.3	1,317.8	3,481.8	1,407.4	6,657.3
2967 4.0'	6,380.8	0.555	0.040	0.331	0.059	0.084	0.138	0.0	0.8	2.2	0.0	3.0
2968 4.0'	1,458.2	0.276	0.066	0.140	0.037	0.048	0.065	0.0	0.0	1.3	0.0	1.3
2969 4.0'	27,527.5	4.549	0.309	4.042	0.367	0.972	1.480	0.0	0.5	0.4	3.4	4.4
2970 3.0'	210.7	1.109	0.201	0.523	0.248	0.243	0.474	1.0	10.7	44.8	36.2	92.6
2971 3.0'	5,879.5	62.070	0.879	21.348	0.372	5.415	6.392	8.5	67.6	266.7	956.0	1,298.8
2972 4.0'	45,323.9	6.266	0.385	0.270	0.094	0.516	6.690	110.4	188.2	22.9	2.6	324.1
2973 4.0'	63,024.5	9.773	0.000	0.412	0.055	0.997	17.341	237.2	349.0	159.3	23.7	769.2
2974 4.0'	16,317.6	0.573	0.112	0.236	0.149	0.100	0.282	16.2	51.1	72.4	69.7	209.4
2975 4.0'	12,763.5	0.210	0.015	0.041	0.011	0.029	0.236	0.0	74.4	7.2	0.8	82.4
2976 4.0'	17,923.6	0.547	0.034	0.185	0.034	0.073	0.331	0.6	30.7	25.3	5.4	62.1
2977 2.0'	875.8	0.419	0.067	0.153	0.039	0.129	0.059	1.6	1.3	5.6	15.5	24.0
2978 3.5'	7,982.1	3.548	1.290	1.488	0.218	0.480	0.473	0.0	0.0	0.7	0.1	0.8
2979 4.0'	270.8	1.318	0.038	0.525	0.041	0.124	0.189	51.1	13.9	6.5	5.2	76.7
2980 4.0'	1,494.0	0.975	0.123	0.464	0.155	0.120	1.196	10.1	26.3	3.1	0.0	39.5
2981 3.0'	33,822.7	24.861	1.307	8.201	0.348	2.656	4.721	33.1	12.5	9.8	8.1	63.5
2982 4.0'	71,596.8	5.523	1.270	0.452	0.096	0.576	15.514	982.8	1,432.3	425.9	12.2	2,853.2
2983 4.0'	2,841.6	0.228	0.027	0.123	0.025	0.056	0.204	5.0	38.9	45.5	10.4	99.8



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
2984 4.0'	84,238.1	6.645	1.987	0.156	0.026	0.117	0.584	2,530.7	92.0	18.0	2.2	2,643.0
2985 4.0'	2,476.5	0.236	0.013	0.072	0.015	0.038	0.062	0.0	0.5	1.5	0.0	1.9
2986 4.0'	40,885.9	7.170	1.838	0.717	0.376	0.150	1.158	379.5	329.6	238.8	49.9	997.8
2987 4.0'	7.3	0.287	0.003	0.175	0.014	0.063	0.090	0.0	0.0	1.6	0.0	1.6
2988 4.0'	5,641.4	0.683	0.021	0.192	0.024	0.092	0.062	0.0	0.0	0.4	0.0	0.4
2989 4.0'	252.4	4.272	0.349	1.878	0.252	0.448	0.750	0.1	0.4	0.4	0.0	1.0
2990 4.0'	200.8	1.103	0.137	0.516	0.081	0.132	0.272	0.0	0.0	0.3	0.0	0.3
2991 4.0'	2,060.9	9.784	0.176	3.277	0.154	0.674	1.223	11.1	2.7	0.3	0.0	14.1
2992 3.0'	410.2	4.642	0.823	1.310	0.587	0.291	0.383	0.1	0.0	1.1	0.0	1.2
2993 4.0'	19.4	0.175	0.069	0.056	0.048	0.042	0.035	0.0	0.1	1.4	0.2	1.7
2994 4.0'	1,249.0	2.872	0.373	1.409	0.182	0.387	0.442	0.0	0.0	1.9	0.2	2.1
2996 3.0'	14,399.2	18.060	1.718	6.683	0.670	2.857	4.560	167.6	63.0	12.9	0.0	243.6
2997 4.0'	60,567.5	10.591	1.396	2.630	0.732	0.660	0.990	0.0	0.0	0.4	0.0	0.4
2998 4.0'	402,525.6	57.254	0.000	0.636	0.065	0.627	7.809	1,134.8	602.5	123.2	9.3	1,869.8
2999 4.0'	302.2	1.982	0.070	0.743	0.064	0.228	0.350	0.0	0.0	0.5	0.0	0.5
3000 4.0'	535.8	0.892	0.031	0.405	0.018	0.109	0.173	0.0	0.0	0.4	0.0	0.4
3001 4.0'	127.2	1.066	0.061	0.438	0.038	0.136	0.139	0.0	0.0	0.6	0.0	0.6
3002 2.0'	2,662.6	2.386	0.168	0.255	0.135	0.167	0.102	0.0	0.0	0.6	0.0	0.6
3003 4.0'	286.9	4.745	0.173	1.951	0.122	0.443	0.662	0.0	6.4	4.8	5.6	16.8
3004 3.0'	6,350.1	0.362	0.038	0.207	0.087	0.099	2.378	4,107.3	3,048.9	721.6	76.3	7,954.1
3005 4.0'	3,823.4	14.735	0.246	6.189	0.589	1.516	2.993	160.7	22.0	0.5	0.0	183.2
3006 3.0'	926.8	0.129	0.276	0.205	0.114	0.074	0.057	0.0	0.0	0.9	0.0	0.9
3007 3.0'	6,309.7	0.662	0.000	7.189	0.498	0.497	0.248	18.5	43.4	57.2	52.5	171.5
3008 2.5 '	140.8	0.046	0.017	0.022	0.021	0.045	0.015	0.0	0.3	1.7	0.0	2.1
3009 3.0'	475.4	1.039	0.039	0.419	0.022	0.124	0.163	0.0	3.8	12.9	4.4	21.1
3010 4.0'	13,968.4	25.847	1.553	7.360	0.723	1.326	3.177	22.4	11.4	0.6	0.0	34.3
3011 4.0'	534,385.4	22.805	6.525	1.125	0.153	0.808	9.403	214.6	206.7	13.1	1.1	435.4
3012 4.0'	2,650.2	89.893	0.348	39.798	0.562	7.953	11.685	0.0	4.4	1.3	0.0	5.7
3013 4.0'	4,899.0	0.416	0.029	0.242	0.022	0.082	0.748	0.0	27.8	1.8	0.0	29.6
3014 4.0'	35,118.3	4.932	0.188	0.355	0.024	0.159	0.446	3.1	4.1	0.5	0.0	7.6
3015 4.0'	43.4	0.284	0.029	0.054	0.014	0.031	0.048	0.0	0.0	1.1	0.0	1.1



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3016 4.0'	2,144.8	0.803	0.097	0.108	0.069	0.043	0.105	0.0	1.2	2.2	0.0	3.4
3017 4.0'	10,765.2	43.298	4.404	0.611	0.064	0.132	0.262	0.0	1.0	3.6	0.7	5.3
3018 4.0'	441.9	2.744	0.220	1.119	0.193	0.261	0.437	0.1	0.2	0.4	0.0	0.7
3019 3.0'	3,987.0	2.744	0.239	1.436	0.164	0.348	0.522	0.0	0.2	0.3	2.2	2.8
3020 4.0'	162.9	0.029	0.023	0.012	0.024	0.024	0.022	0.0	0.2	0.7	0.0	0.9
3021 4.0'	179,726.0	66.633	0.816	5.883	19.717	6.449	265.060	64,828.2	15,650.5	1,828.0	856.0	83,162.7
3022 4.0'	109,684.5	25.933	0.482	2.072	1.035	0.122	41.391	53,962.8	15,977.7	1,289.9	1,169.1	72,399.5
3023 4.0'	427,942.1	24.481	3.522	0.833	0.124	0.431	6.458	1,173.7	702.8	186.3	47.4	2,110.3
3024 4.0'	429,749.3	24.481	3.522	3.325	0.299	0.832	10.173	60.2	358.1	663.5	325.0	1,406.8
3025 4.0'	142,416.2	25.755	0.301	2.838	0.237	0.881	3.428	354.7	341.8	89.9	3.7	790.1
3026 4.0'	2,181.5	1.640	0.071	0.787	0.049	0.206	0.297	2.5	4.0	1.5	0.1	8.1
3027 4.0'	15,904.7	8.474	0.411	2.883	0.459	0.657	0.936	3.8	0.2	0.9	0.2	5.1
3028 3.0'	13.3	0.308	0.037	0.174	0.035	0.103	0.049	2.3	0.1	0.3	0.0	2.7
3029 4.0'	3,667.9	0.324	0.033	0.100	0.030	0.073	0.083	31.5	33.1	13.4	0.0	78.0
3030 4.0'	16,639.8	4.746	0.105	1.660	0.071	0.446	0.821	36.4	41.4	7.8	0.0	85.6
3031 4.0'	9,373.1	64.453	0.222	0.235	0.055	0.244	4.102	35.5	49.1	88.2	35.8	208.6
3032 4.0'	3,038.1	113.356	1.232	0.109	0.086	0.073	0.273	0.2	16.1	37.3	46.3	99.9
3033 4.0'	2,704.1	18.895	0.272	0.992	0.132	0.760	1.115	2.5	8.8	2.4	6.1	19.8
3034 4.0'	2,895.5	6.642	0.923	2.269	0.575	0.470	0.809	40.1	10.3	12.2	15.3	77.8
3035 4.0'	2,471.8	18.706	0.056	0.262	0.062	0.050	0.048	4.5	8.8	7.1	7.5	27.9
3036 4.0'	326,412.2	5.711	0.000	0.352	0.113	0.095	0.467	185.9	163.7	24.2	0.3	374.0
3037 4.0'	6,301.8	0.835	0.080	0.227	0.063	0.068	0.144	66.3	139.9	162.0	59.2	427.4
3038 4.0'	2,409.1	4.639	0.234	1.991	0.213	0.473	1.033	75.5	34.3	2.1	0.0	111.9
3039 4.0'	26,169.8	1.407	0.278	0.301	0.615	0.107	6.680	546.9	247.8	56.5	19.4	870.7
3040 4.0'	353,708.1	2.914	0.000	1.046	0.877	0.661	1.837	78.7	49.7	15.6	29.6	173.5
3041 4.0'	58,093.1	8.336	0.989	1.192	0.148	0.322	1.248	53.1	22.2	2.7	0.6	78.6
3042 4.0'	176,530.7	14.379	6.372	1.718	0.181	0.175	1.120	69.2	17.1	6.3	4.7	97.4
3043 4.0'	5,157.3	2.695	0.378	1.183	0.238	0.253	0.571	6.7	9.1	4.0	1.6	21.4
3044 4.0'	4,871.9	1.070	0.127	0.421	0.087	0.123	0.317	9.5	18.1	13.3	3.0	43.9
3045 4.0'	2,431.9	15.718	0.017	0.760	0.062	0.251	1.134	19.7	34.5	27.6	3.2	85.1
3046 4.0'	15,317.4	42.413	0.132	2.930	0.091	0.718	1.292	74.8	83.0	38.6	24.0	220.4





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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3060 4.0'	147,251.6	66.794	1.126	5.329	1.240	5.131	36.064	58.5	45.5	0.0	0.0	104.0
3061 4.0'	218,989.9	67.217	0.573	2.026	0.441	8.578	136.500	33.1	120.8	1.2	0.0	155.1
3062 4.0'	43,349.4	12.983	1.320	2.189	0.661	0.707	7.575	0.0	17.1	1.7	0.0	18.8
3063 3.0'	14.7	0.024	0.012	0.101	0.121	0.066	0.134	1.0	1.3	0.8	0.2	3.3
3064 4.0'	168,396.7	69.423	0.662	8.748	6.578	15.452	349.620	1,776.9	793.1	112.1	0.0	2,682.1
3065 4.0'	354,452.5	71.983	0.270	1.036	0.231	1.213	5.011	73.5	66.2	19.7	0.0	159.4
3067 4.0'	70,643.3	5.386	0.240	0.596	0.163	0.160	0.761	12.6	9.5	6.9	0.3	29.4
3068 4.0'	140,672.0	11.969	0.802	1.496	0.633	0.152	0.851	13.3	41.7	26.9	5.2	87.0
3069 4.0'	93,458.8	71.289	0.276	1.952	0.000	0.903	3.146	0.0	0.0	0.0	0.0	0.0
3070 4.0'	161,151.8	22.551	0.000	1.024	0.021	0.088	0.391	1.0	21.9	17.0	1.8	41.7
3071 4.0'	167,264.0	44.703	0.038	0.728	0.094	0.127	0.327	1.0	11.7	6.5	1.0	20.2
3072 4.0'	178,169.0	33.209	0.000	1.056	0.000	0.206	0.733	0.8	26.0	28.0	4.7	59.4
3073 4.0'	366,979.7	49.533	8.818	3.077	0.890	1.538	4.361	3.5	31.1	25.5	3.0	63.1
3074 4.0'	485.9	0.232	0.000	0.070	0.009	0.172	2.643	7.9	0.5	0.0	0.0	8.4
3075 4.0'	173,609.3	28.850	0.000	2.171	0.090	6.236	12.670	4.2	3.0	7.2	0.0	14.4
3076 4.0'	140,780.5	23.461	12.626	1.437	0.392	1.527	3.838	49.7	17.2	7.1	0.4	74.5
3077 4.0'	122,176.7	24.599	0.000	0.928	0.042	2.884	8.188	16.1	3.4	0.5	0.0	20.0
3078 4.0'	48,240.5	12.790	1.528	2.195	0.173	0.842	3.119	14.6	20.3	1.3	0.0	36.1
3079 4.0'	11,811.0	1.300	0.088	0.681	0.080	0.495	0.794	3.4	1.0	1.2	0.0	5.6
3080 4.0'	175,364.7	16.991	0.376	94.320	1.755	2,972.300	8,722.300	17,696.6	5,529.5	17.1	7.8	23,251.0
3081 4.0'	118,775.0	30.907	2.241	8.314	0.000	596.150	560.850	905.4	1,044.9	9.1	0.0	1,959.4
3082 4.0'	342.6	0.153	0.057	0.190	0.030	0.257	0.785	2.8	1.7	1.0	0.0	5.5
3083 4.0'	73,357.0	10.740	1.479	11.717	0.432	497.460	1,560.500	868.0	659.6	28.5	3.3	1,559.4
3084 4.0'	27,994.3	7.026	0.624	4.148	0.625	166.410	463.890	2,658.8	1,275.5	12.4	0.0	3,946.8
3085 4.0'	138.5	2.957	0.178	1.167	0.118	0.345	0.783	0.0	0.1	0.7	0.0	0.8
3086 4.0'	113,006.0	42.734	1.430	18.106	1.058	818.780	3,509.200	20,734.9	4,312.3	233.6	3.8	25,284.6
3087 4.0'	144,979.0	27.709	2.398	7.530	0.000	252.790	1,294.100	1,031.8	523.6	58.0	3.7	1,617.1
3088 4.0'	189,658.2	41.508	0.539	17.539	0.516	874.510	3,633.800	12,544.6	4,853.6	48.2	27.3	17,473.7
3089 4.0'	149,786.7	65.421	0.000	13.615	2.319	960.910	4,525.700	2,447.1	1,645.3	18.7	0.0	4,111.0
3090 4.0'	55,114.3	13.177	0.000	0.778	0.000	52.947	177.068	508.3	1,303.3	20.4	17.5	1,849.5
3091 4.0'	63,717.5	24.347	0.000	8.828	0.000	108.292	445.709	483.3	200.1	4.7	37.1	725.2



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3092 4.0'	50,398.9	57.313	0.679	27.713	0.104	37.047	174.010	978.4	235.4	26.3	5.4	1,245.5
3093 4.0'	35,367.0	20.240	0.757	5.103	0.464	256.500	1,617.400	1,326.6	543.7	52.2	0.0	1,922.5
3094 4.0'	7,703.3	4.570	1.454	1.263	0.543	15.463	85.108	514.8	148.0	9.3	0.0	672.1
3095 4.0'	86,797.9	14.556	2.486	4.436	1.009	1.518	2.690	32.3	36.5	2.4	0.0	71.3
3096 4.0'	22,198.9	8.583	0.842	3.967	0.937	0.841	1.584	0.0	2.8	1.0	0.0	3.8
3097 4.0'	19,225.7	16.633	2.793	7.004	1.644	1.553	2.751	2.5	1.7	3.8	2.5	10.5
3098 4.0'	65.1	1.239	0.606	0.578	0.412	0.124	0.189	0.3	0.0	0.4	0.0	0.7
3099 4.0'	145.2	4.045	2.527	1.391	1.551	0.252	0.523	0.0	0.1	0.5	0.0	0.5
3100 4.0'	66.7	2.651	1.191	0.877	0.708	0.145	0.297	0.0	0.0	0.4	0.0	0.4
3101 4.0'	33,898.4	10.976	0.718	2.382	0.471	0.465	0.977	19.0	6.5	2.8	0.9	29.3
3102 3.0'	69.3	1.212	0.448	1.113	0.276	0.185	0.553	0.0	1.4	0.4	0.0	1.9
3103 4.0'	26.9	0.114	0.015	0.072	0.025	0.034	0.023	0.0	0.0	0.5	0.0	0.5
3104 4.0'	35,073.3	1.118	0.181	1.790	0.220	0.211	0.114	0.0	0.0	1.3	0.0	1.3
3105 4.0'	221.9	2.170	0.661	0.991	0.399	0.181	0.358	1.6	0.0	0.4	0.0	2.0
3106 4.0'	26,853.4	8.746	0.662	29.363	5.152	101.180	1,154.100	5,040.1	1,898.6	404.2	791.3	8,134.2
3107 4.0'	45,306.7	34.068	10.570	60.514	6.907	266.440	1,431.800	9,608.2	1,870.8	191.4	200.8	11,871.1
3108 4.0'	35.5	0.770	0.424	0.332	0.349	0.087	0.139	2.5	1.5	0.0	0.2	4.2
3109 4.0'	41.2	1.397	0.381	0.512	0.253	0.101	0.153	2.0	0.7	0.0	0.1	2.9
3110 4.0'	6.2	0.049	0.015	0.022	0.016	0.031	0.012	0.0	0.0	0.5	0.0	0.5
3111 4.0'	13,217.6	1.027	0.268	0.304	0.262	0.070	0.133	0.0	0.0	0.3	0.0	0.3
3112 4.0'	360,326.8	428.933	0.937	0.960	2.762	0.184	1.038	307.3	459.4	54.6	81.7	902.9
3113 4.0'	262.4	3.087	0.000	1.123	1.062	0.442	0.899	3.3	1.7	0.0	0.0	5.0
3114 4.0'	259.1	0.564	0.200	0.253	0.146	0.065	0.059	0.4	0.2	0.4	0.0	0.9
3115 4.0'	1,346.7	0.621	0.430	0.173	0.322	0.052	0.155	0.5	0.2	0.6	0.0	1.2
3116 4.0'	21.3	0.348	0.258	0.258	0.271	0.074	0.139	0.6	1.4	0.0	0.0	1.9
3117 4.0'	19.2	0.464	0.418	0.197	0.240	0.057	0.066	0.5	0.7	0.8	0.0	2.0
3118 4.0'	203.7	3.001	1.509	1.117	0.998	0.256	0.501	0.1	1.2	0.9	2.6	4.8
3119 4.0'	53.0	0.323	0.092	0.155	0.082	0.046	0.073	0.0	0.0	0.5	0.0	0.5
3120 4.0'	29.3	0.310	0.095	0.385	0.087	0.175	0.082	0.2	0.0	0.0	0.0	0.2
3121 4.0'	66.3	1.069	0.458	0.356	0.302	0.089	0.147	0.0	0.0	0.4	0.0	0.4
3122 4.0'	45.8	1.185	0.278	0.519	0.147	0.107	0.169	0.0	0.0	0.1	0.0	0.1



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3123 4.0'	143.3	1.064	0.297	0.291	0.221	0.061	0.061	0.3	0.3	0.4	0.0	1.1
3124 4.0'	6.8	0.072	0.046	0.047	0.054	0.059	0.322	0.0	13.3	1.6	1.0	15.9
3125 4.0'	86.3	1.326	0.070	0.423	0.048	0.089	0.092	0.0	0.0	0.5	11.4	11.9
3126 4.0'	27.1	0.671	0.233	0.229	0.195	0.063	0.114	0.0	0.0	0.5	0.0	0.5
3127 4.0'	10,846.7	1.409	0.000	0.446	0.013	0.051	0.082	0.0	0.0	0.4	1.0	1.3
3128 4.0'	21.9	0.876	1.160	0.338	0.827	0.055	0.186	0.0	0.0	0.5	0.0	0.5
3129 4.0'	87,507.5	10.394	1.485	1.714	0.931	2.705	2.230	156.2	25.0	0.9	1.1	183.2
3130 4.0'	372,211.1	48.024	9.538	13.472	6.077	3.553	7.721	2.4	0.5	1.5	5.9	10.3
3131 3.5'	171,368.7	146.976	1.622	6.358	2.364	25.328	287.410	707.0	278.3	6.4	0.0	991.7
3132 4.0'	74,667.2	30.143	4.245	9.217	0.771	26.484	304.870	3,412.0	755.5	60.5	0.0	4,228.0
3133 4.0'	67,753.3	30.393	3.986	2.372	1.960	1.783	11.407	4.5	0.0	0.6	0.0	5.2
3134 4.0'	65,514.1	49.694	6.904	2.363	3.784	0.348	2.041	17.5	13.9	1.2	0.0	32.7
3135 4.0'	15,189.7	6.621	3.834	1.824	2.620	0.254	0.734	0.0	0.0	0.5	0.0	0.5
3136 4.0'	447,053.4	221.317	2.373	2.806	1.699	0.271	1.947	0.0	1.8	10.4	14.9	27.1
3137 4.0'	114,403.0	33.799	1.656	6.529	2.672	6.043	65.686	67.5	36.5	20.9	1.2	126.1
3138 4.0'	390,520.0	47.875	4.532	12.014	1.383	2.678	33.833	6.6	0.0	0.0	0.0	6.6
3139 4.0'	217,477.5	112.470	2.115	6.033	1.136	1.711	6.400	29.4	39.7	92.0	149.4	310.5
3140 4.0'	173,213.5	95.209	1.628	8.636	1.466	14.230	68.548	169.3	42.2	7.5	0.0	219.0
3141 4.0'	52,759.9	25.741	7.719	6.619	3.979	1.309	38.517	9.9	6.8	3.8	1.3	21.7
3142 4.0'	59,255.1	16.114	3.904	4.499	2.071	1.163	1.704	0.0	0.0	0.5	1.8	2.3
3143 3.0'	285.1	1.184	0.021	0.879	0.061	0.233	0.225	0.0	0.0	0.0	0.0	0.0
3144 4.0'	5,153.1	1.028	0.113	0.748	0.094	0.117	0.288	0.0	0.0	0.4	0.0	0.4
3145 3.5'	2,149.4	0.862	0.154	0.356	0.150	0.088	0.142	0.0	0.0	0.4	0.0	0.4
3146 4.0'	2,016.8	0.522	0.007	0.482	0.012	0.146	0.124	0.0	0.0	0.5	0.0	0.5
3147 4.0'	1,966.0	1.101	0.056	0.608	0.048	0.080	0.128	0.0	0.0	0.3	0.0	0.3
3148 4.0'	122,505.9	7.568	0.000	0.252	0.158	0.053	0.114	0.0	0.0	1.2	0.0	1.2
3149 4.0'	387.5	0.023	0.013	0.021	0.016	0.013	0.026	0.0	0.0	0.3	0.0	0.3
3150 4.0'	180.5	0.851	0.336	0.380	0.308	0.076	0.143	0.0	0.0	0.8	0.0	0.8
3152 4.0'	2.5	0.017	0.006	0.423	0.015	0.275	0.251	0.1	0.1	0.0	0.0	0.2
3153 4.0'	146,329.6	1.497	0.000	2.560	2.494	0.028	4.486	0.0	0.0	0.0	0.0	0.0
3154 4.0'	85.8	0.603	0.196	0.287	0.122	0.057	0.112	0.0	0.0	0.5	0.0	0.5



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TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3155 4.0'	5,544.6	1.115	1.270	0.880	0.628	0.138	0.291	0.0	0.0	0.3	0.0	0.3
3156 4.0'	350.9	0.817	0.518	0.681	0.379	0.123	0.295	0.0	0.0	0.3	0.0	0.3
3157 4.0'	392.7	2.334	0.953	1.161	0.895	0.201	0.435	0.0	0.0	0.3	0.0	0.3
3158 4.0'	32,181.1	1.232	0.000	0.404	0.189	0.090	0.141	0.0	0.0	0.6	0.0	0.6
3159 3.0'	199.4	0.831	0.676	0.295	0.382	0.054	0.155	0.0	0.0	0.3	0.0	0.3
3160 4.0'	32,199.7	7.363	4.512	1.493	2.679	0.198	0.600	0.0	0.2	1.1	0.0	1.3
3161 4.0'	631.3	1.866	0.294	0.196	0.272	0.037	0.136	0.0	0.0	0.2	0.0	0.2
3162 4.0'	1,007.3	3.084	0.958	0.789	0.692	0.108	0.443	0.0	0.0	0.3	0.0	0.3
3163 4.0'	102,603.5	32.959	1.329	2.119	0.415	0.308	1.447	0.0	0.0	0.0	0.0	0.0
3164 4.0'	1,434.7	4.362	4.213	1.410	2.854	0.408	5.398	6.3	3.4	0.7	0.0	10.4
3165 4.0'	90,938.7	96.457	1.938	11.874	1.930	8.505	139.180	465.0	115.9	9.1	0.6	590.6
3166 4.0'	391,185.8	791.370	12.282	68.178	11.291	93.166	4,078.600	151.4	41.7	0.0	0.0	193.1
3167 4.0'	11,430.7	6.945	0.516	0.253	0.563	0.421	16.398	187.4	78.9	3.0	0.0	269.3
3168 4.0'	1,713.3	4.392	0.823	0.338	0.595	0.070	1.966	0.0	0.0	1.0	0.0	1.0
3169 4.0'	20,206.8	5.457	0.456	0.148	0.107	0.114	0.575	0.0	0.0	0.6	0.0	0.6
3170 4.0'	477,944.7	49.775	0.000	2.191	0.134	0.356	21.063	2.0	26.9	18.2	0.0	47.2
3171 4.0'	39,462.6	18.473	6.083	5.453	4.512	1.114	1.771	3.6	7.3	3.5	0.0	14.4
3172 3.0'	42.2	0.403	0.181	0.129	0.118	0.033	0.059	0.0	0.0	0.8	0.0	0.8
3173 4.0'	56.7	0.498	0.152	0.231	0.080	0.058	0.093	0.6	0.0	1.0	0.0	1.6
3174 4.0'	148.6	0.809	0.433	0.410	0.288	0.095	0.175	0.0	0.0	1.1	0.0	1.1
3175 4.0'	73.5	3.575	1.084	1.617	0.686	0.351	0.666	0.0	0.0	0.5	0.0	0.5
3176 4.0'	92.8	0.952	0.156	0.405	0.135	0.080	0.154	0.0	0.0	1.5	0.2	1.7
3177 4.0'	37.4	1.709	0.090	0.587	0.083	0.187	0.208	0.0	0.0	1.5	0.0	1.5
3178 4.0'	5,420.8	33.423	0.008	0.765	0.401	0.066	0.177	0.0	0.0	0.9	0.0	0.9
3179 4.0'	1.2	0.018	0.010	0.017	0.008	0.017	0.012	0.0	0.0	0.6	0.0	0.6
3180 4.0'	7,959.6	1.607	0.037	1.364	0.669	0.296	0.836	0.0	0.0	0.7	0.0	0.7
3181 4.0'	9.3	0.054	0.021	0.027	0.017	0.027	0.021	0.0	0.0	1.5	0.2	1.6
3182 4.0'	151.3	0.050	0.020	0.020	0.007	0.025	0.013	0.0	0.0	1.3	0.0	1.3
3183 4.0'	588.4	1.128	0.157	0.321	0.119	0.055	0.106	0.0	0.0	0.7	0.0	0.7
3184 4.0'	31.2	0.036	0.009	0.038	0.012	0.017	0.026	0.0	0.0	1.0	0.1	1.1
3185 4.0'	178.0	0.224	0.004	0.434	0.032	0.068	0.201	0.0	0.0	0.0	0.0	0.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3186 3.5'	40.3	0.383	0.195	0.207	0.153	0.061	0.082	0.0	0.0	1.1	0.0	1.1
3187 3.5'	183,848.9	20.737	1.042	2.280	0.746	0.603	0.943	6.9	1.2	1.3	0.0	9.4
3188 3.0'	346,190.9	29.045	0.000	2.400	0.998	2.476	6.631	92.4	29.1	2.0	0.0	123.5
3189 4.0'	219,770.2	33.423	2.862	0.959	0.860	1.292	47.104	21.5	1.0	0.0	0.0	22.5
3190 4.0'	967.9	0.818	0.333	0.201	0.233	0.041	1.456	2.0	0.3	0.7	0.0	3.0
3191 4.0'	261,445.4	177.104	10.305	31.220	24.665	45.534	5,272.600	736.3	188.7	18.5	22.0	965.6
3192 4.0'	399,230.3	129.460	305.700	11.052	2.364	21.455	1,293.300	2,048.0	712.1	140.0	3.4	2,903.5
3193 4.0'	45,858.5	1.607	0.364	0.591	0.261	0.148	2.036	8.9	4.7	5.6	0.0	19.2
3194 4.0'	418,091.2	41.937	3.116	2.616	0.218	1.964	11.507	68.2	15.6	46.1	25.7	155.7
3195 4.0'	285,803.7	27.497	0.000	1.343	0.076	2.507	13.950	353.4	347.2	141.1	1.3	842.9
3196 4.0'	219.8	2.621	0.532	1.039	0.316	0.220	0.430	0.0	0.0	1.0	0.0	1.0
3197 4.0'	114,339.9	22.982	0.320	0.795	0.162	0.918	4.917	37.1	16.6	0.7	0.0	54.4
3198 4.0'	305,383.6	77.114	0.190	1.719	0.127	1.124	10.408	72.1	27.9	1.8	0.0	101.8
3199 4.0'	133,606.4	57.532	0.153	3.323	0.072	1.123	8.963	49.8	36.8	1.4	0.0	87.9
3200 4.0'	4,539.3	1.747	0.306	0.404	0.112	0.064	0.282	0.0	0.0	1.4	1.3	2.7
3201 4.0'	509.2	0.557	0.833	0.143	0.499	0.034	0.085	0.0	0.0	0.3	0.0	0.3
3202 4.0'	2.1	0.018	0.009	0.071	0.025	0.067	0.093	0.0	0.0	0.3	0.0	0.3
3203 4.0'	15,292.5	0.287	0.000	0.377	0.000	0.000	0.186	0.0	0.0	0.3	0.0	0.3
3204 4.0'	5.8	0.368	0.578	0.150	0.368	0.032	0.082	0.0	0.0	0.4	0.0	0.4
3205 4.0'	10.5	0.355	0.126	0.147	0.093	0.034	0.062	0.1	0.0	1.1	0.0	1.2
3206 4.0'	7,833.6	0.151	0.089	0.123	0.100	0.128	0.906	51.5	78.9	55.8	51.9	238.0
3207 4.0'	3.4	0.065	0.035	0.637	0.028	0.109	0.285	0.0	0.0	0.5	0.0	0.5
3208 4.0'	237.3	0.225	0.009	0.388	0.029	0.110	0.201	0.0	0.0	0.1	0.0	0.1
3209 4.0'	73.8	0.222	0.041	0.063	0.053	0.023	0.061	0.0	0.0	0.7	0.0	0.8
3210 4.0'	2,086.5	6.088	1.146	0.567	0.279	0.122	0.621	0.0	0.0	0.3	0.0	0.3
3211 4.0'	605.1	1.449	3.060	0.393	0.883	0.053	0.321	3.0	0.4	1.9	0.6	5.9
3212 4.0'	581.2	0.663	0.584	0.375	0.278	0.071	0.230	4.4	2.8	1.5	0.0	8.7
3213 4.0'	545,064.8	16.410	0.000	1.422	0.072	0.948	4.069	125.2	192.5	48.1	6.7	372.4
3214 4.0'	18,169.4	0.606	0.150	0.207	0.144	0.060	0.173	6.8	1.1	0.2	0.0	8.1
3215 4.0'	77,625.0	1.083	0.090	0.366	0.078	0.172	0.104	0.0	0.0	0.0	0.0	0.0
3216 4.0'	155.4	0.434	0.349	0.211	0.282	0.030	0.097	0.0	0.0	0.8	0.2	1.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3217 4.0'	5,266.7	1.013	0.349	0.252	0.243	0.093	0.245	0.0	0.0	0.4	0.0	0.4
3218 4.0'	589.4	0.603	0.191	0.360	0.168	0.072	0.123	0.0	0.0	1.3	0.0	1.3
3219 4.0'	1,013.9	0.198	0.190	0.100	0.125	0.019	0.034	0.0	0.0	1.0	0.0	1.0
3220 4.0'	97.3	0.230	0.093	0.153	0.066	0.056	0.094	0.0	0.0	0.9	0.0	0.9
3221 4.0'	48.2	0.054	0.024	0.028	0.024	0.022	0.022	0.0	0.0	0.3	0.0	0.3
3222 4.0'	9.7	0.161	0.079	0.091	0.061	0.033	0.054	0.0	0.0	1.3	0.1	1.4
3223 4.0'	161.8	0.250	0.033	0.208	0.017	0.070	0.115	0.0	0.0	0.2	0.0	0.2
3224 4.0'	26,666.9	6.546	0.016	1.678	0.033	3.496	8.943	22.5	1.7	0.0	0.0	24.2
3225 4.0'	96.4	1.157	0.310	0.578	0.280	0.102	0.271	0.0	0.0	0.4	0.0	0.4
3226 4.0'	1,577.8	1.581	0.846	0.997	0.610	0.097	0.470	0.0	0.0	0.3	0.0	0.3
3227 4.0'	26.4	0.063	0.025	0.021	0.024	0.029	0.013	0.0	0.0	0.4	0.0	0.4
3228 4.0'	530.5	0.211	0.011	0.422	0.035	0.084	0.152	0.0	0.0	1.2	0.0	1.2
3229 4.0'	62.5	0.760	0.155	0.350	0.102	0.079	0.135	0.0	0.0	0.5	0.0	0.5
3230 4.0'	100.4	0.045	0.004	0.356	0.018	0.059	0.154	0.0	0.0	1.9	0.5	2.4
3231 4.0'	1,064.6	0.113	0.049	0.074	0.035	0.038	0.068	0.0	0.0	0.7	0.0	0.7
3232 4.0'	3.1	0.065	0.043	0.053	0.023	0.029	0.049	0.0	0.0	1.3	0.1	1.4
3233 4.0'	31.3	0.130	0.071	0.087	0.043	0.038	0.064	0.0	0.0	1.1	0.0	1.1
3234 4.0'	1.9	0.020	0.011	0.037	0.039	0.033	0.034	0.0	0.0	1.0	0.0	1.0
3235 4.0'	15.2	0.450	0.111	0.165	0.071	0.046	0.062	0.0	0.0	1.0	0.0	1.0
3236 4.0'	4,898.4	0.652	0.076	0.233	0.134	0.046	0.257	0.0	0.0	0.9	0.0	0.9
3237 4.0'	70.2	0.147	0.008	0.119	0.020	0.025	0.054	2.8	3.4	1.2	0.0	7.4
3238 4.0'	154.4	0.416	0.133	0.285	0.118	0.031	0.063	0.4	0.4	1.1	0.0	1.9
3239 4.0'	14.9	0.210	0.120	0.135	0.100	0.063	0.078	0.0	0.0	1.0	0.0	1.0
3240 4.0'	1,018.4	0.302	0.038	0.253	0.029	0.067	0.085	0.0	0.0	0.9	0.0	0.9
3241 3.0'	74.3	1.885	0.324	0.731	0.214	0.129	0.231	0.0	0.0	1.0	0.0	1.0
3243 3.0'	29.4	0.105	0.001	0.244	0.003	0.057	0.080	0.0	0.0	0.0	0.0	0.0
3244 3.0'	110.8	1.044	0.010	10.417	0.024	1.763	8.163	0.0	14.8	2.6	1.0	18.4
3245 4.0'	29.9	0.023	0.019	0.114	0.007	0.041	0.119	0.0	1.5	1.1	0.4	2.9
3246 4.0'	6,988.6	16.759	3.073	9.107	1.798	3.877	4.348	0.0	0.6	1.2	0.0	1.9
3247 3.0'	2.4	0.004	0.014	0.072	0.030	0.031	0.031	0.0	0.0	0.0	0.0	0.0
3248 4.0'	39.9	0.272	0.077	0.101	0.065	0.027	0.058	0.0	0.0	1.0	0.0	1.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3249 4.0'	6.2	0.027	0.016	0.015	0.011	0.002	0.005	0.0	0.0	0.9	0.0	0.9
3250 4.0'	58.6	0.893	0.191	0.524	0.138	0.107	0.208	0.0	0.1	0.9	0.2	1.2
3251 4.0'	47.8	0.035	0.016	0.052	0.020	0.024	0.027	0.0	0.0	1.0	0.0	1.0
3252 4.0'	2.6	0.089	0.058	2.042	0.038	0.277	0.929	0.0	1.1	1.1	0.1	2.3
3253 4.0'	12.6	0.085	0.019	1.808	0.010	0.273	1.360	0.0	2.4	1.0	0.2	3.6
3254 4.0'	22.6	0.060	0.012	1.655	0.016	0.235	1.205	0.0	1.9	1.2	1.7	4.7
3255 4.0'	7.1	0.019	0.011	0.024	0.010	0.016	0.015	0.0	0.0	1.0	0.0	1.0
3256 4.0'	0.8	0.021	0.004	0.118	0.006	0.030	0.065	0.0	0.0	1.3	0.0	1.3
3257 4.0'	136.9	0.239	0.099	18.854	0.356	9.752	11.813	8.8	1.0	651.6	0.0	661.4
3258 4.0'	3.3	0.013	0.004	0.009	0.002	0.012	0.014	0.0	0.0	1.2	0.0	1.2
3259 4.0'	9.6	0.203	0.091	5.402	0.138	1.939	2.084	0.0	0.0	4.3	0.0	4.3
3260 4.0'	5.8	0.067	0.054	0.036	0.049	0.020	0.015	0.0	0.0	1.1	0.0	1.1
3261 4.0'	3.5	0.034	0.015	3.724	0.060	1.881	2.243	3.3	2.6	112.3	0.0	118.2
3262 4.0'	33.6	0.048	0.019	0.109	0.029	0.051	0.067	0.0	0.0	1.6	0.0	1.6
3263 4.0'	12,919.1	0.339	0.090	0.153	0.048	0.030	0.133	0.6	0.0	1.2	0.0	1.8
3264 4.0'	3.1	0.035	0.010	0.208	0.011	0.085	0.066	0.0	0.0	1.4	0.0	1.4
3265 4.0'	5.1	0.062	0.028	0.848	0.022	0.449	0.421	0.0	0.0	1.9	0.0	1.9
3266 4.0'	148,003.4	23.984	0.162	0.902	0.203	0.185	0.178	0.0	0.0	0.4	0.0	0.4
3267 4.0'	9,259.9	0.383	0.124	2.518	0.070	0.544	1.182	0.0	0.2	0.8	0.2	1.2
3268 4.0'	3.6	0.020	0.011	0.492	0.016	0.128	0.275	0.0	0.7	1.0	0.2	1.9
3269 4.0'	80.3	0.430	0.697	0.168	0.330	0.011	0.141	0.0	0.2	0.9	0.2	1.2
3270 4.0'	1,044.3	12.804	1.446	5.992	0.775	1.159	2.340	0.0	0.3	0.3	0.0	0.6
3271 4.0'	10,646.7	0.591	0.035	0.248	0.061	0.081	0.379	5.5	15.8	0.3	0.0	21.7
3272 4.0'	337.3	0.434	0.037	0.279	0.024	0.072	0.097	0.0	0.0	1.0	0.0	1.0
3273 4.0'	207,159.1	9.297	0.000	2.010	0.077	0.614	1.402	39.6	183.2	17.9	1.3	242.1
3274 4.0'	11.2	0.592	0.801	0.213	0.468	0.031	0.141	0.0	0.0	1.0	0.1	1.1
3275 4.0'	7.3	0.200	0.068	1.341	0.057	0.195	0.773	0.0	0.9	0.5	0.5	1.9
3276 4.0'	54,855.9	14.481	1.734	10.047	0.864	1.046	3.046	0.0	0.7	9.9	16.8	27.3
3277 4.0'	5.2	0.064	0.036	0.043	0.031	0.022	0.025	0.0	0.0	1.0	0.1	1.2
3278 4.0'	7.5	0.065	0.026	9.306	0.078	3.533	3.610	0.0	0.0	6.9	0.0	6.9
3279 4.0'	157.2	0.671	0.340	0.294	0.331	0.047	0.092	0.0	0.0	1.1	0.0	1.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3280 4.0'	7,568.0	1.024	0.282	0.386	0.162	0.113	0.200	1.5	0.0	1.2	0.1	2.8
3281 4.0'	10.8	0.177	0.113	0.104	0.096	0.034	0.028	0.0	0.0	1.5	0.0	1.5
3282 4.0'	1.2	0.027	0.006	0.349	0.007	0.175	0.156	0.0	0.0	3.7	0.1	3.8
3283 4.0'	7.3	0.224	0.051	0.123	0.062	0.026	0.068	0.0	0.0	0.4	0.0	0.4
3284 4.0'	322.4	0.381	0.288	0.179	0.196	0.051	0.103	0.0	0.0	0.5	0.0	0.5
3285 4.0'	81,179.6	4.294	0.314	0.390	0.114	0.293	0.568	0.0	0.0	0.0	0.0	0.0
3286 4.0'	15,998.0	1.382	0.067	0.232	0.036	0.132	0.105	0.3	0.0	0.3	0.0	0.6
3287 4.0'	9,054.3	0.976	0.056	0.787	0.047	0.163	0.269	0.0	0.0	0.8	0.0	0.8
3288 4.0'	32.0	0.140	0.036	0.573	0.035	0.130	0.219	0.0	0.0	0.2	0.0	0.2
3289 4.0'	73.9	0.304	0.244	0.141	0.138	0.041	0.086	0.0	0.0	1.0	0.0	1.0
3290 4.0'	113.4	1.123	0.460	9.065	0.421	1.319	5.966	0.0	10.4	1.9	1.3	13.6
3291 4.0'	203.0	0.176	0.068	0.133	0.047	0.024	0.067	0.0	0.1	1.2	0.5	1.9
3292 4.0'	2,565.5	1.814	0.177	13.569	0.090	1.636	6.624	0.0	4.5	0.6	1.7	6.8
3293 4.0'	9.6	0.414	0.059	0.405	0.039	0.101	0.156	0.0	0.0	1.7	0.3	2.0
3294 4.0'	300.5	0.417	0.239	1.980	0.156	0.267	1.056	0.0	2.7	1.2	2.3	6.2
3295 4.0'	582.6	0.239	0.040	0.340	0.037	0.056	0.171	0.0	0.5	1.5	1.2	3.2
3296 4.0'	1,425.4	0.586	0.172	0.218	0.106	0.040	0.081	0.0	0.0	0.8	0.0	0.8
3297 4.0'	1.7	0.000	0.006	0.337	0.007	0.096	0.240	0.0	0.0	0.2	0.0	0.2
3298 4.0'	309.0	6.262	0.285	2.254	0.226	0.492	0.757	0.0	0.2	1.4	0.1	1.7
3299 4.0'	123.3	2.623	0.296	0.912	0.220	0.168	0.276	0.0	0.0	1.1	0.0	1.1
3300 4.0'	9.8	0.263	0.040	0.161	0.051	0.100	0.136	0.5	0.0	0.6	0.0	1.0
3301 4.0'	134.0	5.332	0.984	2.294	0.739	0.462	0.872	0.4	0.2	1.8	0.0	2.4
3302 4.0'	54.4	1.483	0.203	0.555	0.144	0.128	0.198	0.0	0.0	1.4	0.0	1.4
3303 2.5'	83.1	1.782	0.853	0.599	0.492	0.081	0.515	0.0	0.0	0.9	0.0	0.9
3304 2.0'	3.5	0.078	0.010	0.041	0.013	0.030	0.029	0.0	0.0	1.2	2.3	3.5
3305 2.5'	304.0	1.002	0.073	0.240	0.062	0.070	0.078	0.0	0.0	1.1	0.0	1.1
3306 2.5'	10.8	0.215	0.018	0.098	0.015	0.039	0.045	0.0	0.0	1.2	0.0	1.2
3307 4.0'	723.9	4.920	0.353	2.004	0.250	0.420	0.529	0.0	0.0	1.2	0.0	1.2
3308 2.5'	38.8	0.506	0.043	0.264	0.027	0.135	0.164	0.0	0.0	1.4	4.2	5.6
3309 4.0'	48,776.5	0.963	0.000	0.237	0.016	1.722	4.707	214.2	62.0	8.3	0.9	285.5
3310 1.5'	342.2	10.409	0.117	5.554	0.166	1.380	1.627	0.0	0.0	1.3	0.1	1.4





# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3311 4.0'	34.7	0.535	0.000	0.181	0.020	0.053	0.051	0.0	0.0	0.7	0.0	0.7
3312 4.0'	274.5	3.529	0.269	1.206	0.172	0.250	0.406	0.0	0.0	0.8	0.0	0.8
3313 4.0'	489.5	5.275	0.399	2.462	0.271	0.550	0.860	0.0	0.0	1.2	0.0	1.2
3314 4.0'	86.1	1.820	0.093	0.677	0.060	0.169	0.272	0.0	0.0	1.2	0.0	1.2
3315 4.0'	284.6	6.034	0.064	2.196	0.084	0.520	0.650	0.0	0.0	1.2	0.0	1.2
3316 3.0'	435.6	6.887	0.197	2.258	0.132	0.514	0.718	0.0	0.0	1.1	0.0	1.1
3317 4.0'	3,197.7	2.310	0.172	0.813	0.094	0.328	0.246	0.0	0.0	1.3	0.0	1.3
3318 4.0'	110.1	0.669	0.000	0.301	0.000	0.099	0.100	0.4	0.3	0.8	0.0	1.6
3319 3.5'	26.3	0.888	0.129	0.685	0.110	0.167	0.289	0.0	0.0	0.6	0.0	0.6
3320 3.5'	9,415.8	3.770	0.676	1.098	0.252	0.263	0.512	0.0	0.0	1.1	0.0	1.1
3321 3.0'	4,860.0	7.031	0.388	2.961	0.284	0.886	1.173	0.0	0.0	1.8	1.3	3.2
3322 4.0'	798.8	2.054	0.122	0.812	0.081	0.215	0.303	0.0	0.0	1.3	0.1	1.5
3323 4.0'	310.5	6.578	0.483	1.692	0.347	0.366	0.490	0.0	0.0	1.6	0.2	1.8
3324 4.0'	870.1	4.781	0.267	1.163	0.173	0.238	0.298	0.0	0.0	1.2	0.0	1.2
3325 4.0'	97.2	1.997	0.145	0.785	0.094	0.190	0.278	0.2	0.0	1.1	0.1	1.4
3326 4.0'	2,597.2	5.549	0.174	1.561	0.151	0.339	0.356	0.0	0.0	1.3	0.1	1.4
3327 2.5'	62,838.2	11.459	0.361	3.510	0.183	1.334	1.694	0.6	0.0	0.8	1.9	3.2
3328 4.0'	3,073.7	2.057	0.000	0.871	0.000	7.488	22.768	111.2	34.1	11.7	3.4	160.4
3329 4.0'	15,470.5	3.202	0.000	0.304	0.000	1.088	0.800	67.3	17.0	7.3	1.4	93.1
3330 4.0'	112.6	0.528	0.000	0.191	0.000	0.103	0.082	0.6	0.4	1.4	0.4	2.7
3331 4.0'	198,215.0	67.559	0.000	2.167	0.000	1.071	3.904	699.9	368.5	208.9	52.3	1,329.4
3332 4.0'	27.3	0.463	0.000	0.199	0.000	0.075	0.058	0.1	0.4	1.3	0.5	2.3
3333 4.0'	857.7	0.987	0.000	0.404	0.000	0.128	0.172	18.7	3.9	2.1	0.2	25.0
3334 4.0'	51.3	1.567	0.319	0.613	0.137	0.143	0.208	0.0	0.0	1.0	0.0	1.0
3335 4.0'	22,257.4	8.355	0.000	2.463	0.000	12.776	6.007	252.0	144.1	22.8	2.7	421.6
3336 4.0'	53.7	0.795	0.116	0.288	0.082	0.080	0.102	0.0	0.0	0.9	0.0	0.9
3337 4.0'	17.4	0.500	0.000	0.242	0.000	0.074	0.092	1.9	0.0	1.5	0.3	3.7
3339 4.0'	105.9	4.783	0.188	2.165	0.183	0.505	0.413	0.1	0.0	0.3	0.0	0.4
3341 4.0'	42.1	0.873	0.236	0.337	0.155	0.076	0.150	0.0	0.0	0.3	0.0	0.3
3343 4.0'	163.4	6.079	0.167	2.997	0.120	0.555	1.154	0.0	0.0	0.8	0.0	0.8
3345 4.0'	10.8	0.150	0.023	0.062	0.018	0.021	0.029	0.0	0.0	0.7	0.3	1.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3347 4.0'	47.9	0.123	0.010	0.095	0.016	0.027	0.044	0.0	0.0	0.6	0.0	0.6
3349 4.0'	113,958.2	6.431	4.102	0.943	0.291	0.152	0.578	0.0	0.0	2.7	0.0	2.7
3351 4.0'	30.7	0.049	0.006	0.036	0.016	0.023	0.019	0.0	0.0	0.0	0.0	0.0
3353 4.0'	333.2	0.235	0.021	0.067	0.023	0.030	0.029	0.0	0.0	0.5	0.0	0.5
3355 4.0'	2,027.8	0.068	0.000	0.049	0.047	0.021	0.026	0.0	0.0	0.6	0.0	0.6
3356 4.0'	1,119.2	5.300	1.154	1.684	0.737	0.318	0.576	0.0	0.0	1.0	0.1	1.1
3357 4.0'	1,037.6	13.399	2.420	5.577	1.562	1.079	2.303	1.0	0.1	1.5	0.1	2.8
3358 3.0'	48,484.7	9.942	0.000	4.217	0.000	0.720	1.081	0.0	16.7	2.0	1.3	20.0
3359 4.0'	10.8	0.077	0.022	0.049	0.022	0.027	0.028	0.0	0.0	0.7	0.0	0.7
3361 4.0'	139,187.0	14.105	3.073	2.517	0.456	0.742	0.619	0.0	0.0	0.0	0.0	0.0
3362 4.0'	52,298.9	4.017	0.500	1.471	0.279	0.238	0.271	0.0	0.0	0.3	0.3	0.5
3363 4.0'	3,470.5	0.532	0.000	0.324	0.000	0.112	0.101	2.7	3.5	0.6	0.7	7.4
3364 4.0'	8,101.8	1.960	0.266	0.775	0.215	0.178	0.306	0.0	0.9	1.4	2.6	5.0
3365 4.0'	163,387.8	7.732	0.372	2.490	0.221	0.656	0.931	24.3	52.2	4.7	0.0	81.2
3366 4.0'	71,848.3	10.166	0.130	3.261	0.401	0.719	1.244	9.9	6.4	1.4	0.0	17.7
3367 4.0'	159,784.4	15.376	3.576	2.451	0.903	0.788	0.769	0.2	2.2	0.0	0.0	2.4
3368 4.0'	82.8	2.370	0.207	0.599	0.159	0.114	0.161	0.0	0.0	1.2	0.0	1.2
3369 4.0'	75.4	0.680	0.295	0.237	0.186	0.046	0.091	0.0	0.0	1.3	2.2	3.5
3370 4.0'	2,883.5	9.405	0.676	2.991	0.491	0.615	0.897	0.0	0.0	1.2	0.0	1.2
3371 4.0'	2.8	0.015	0.011	0.021	0.022	0.053	0.010	0.0	2.5	0.0	0.0	2.5
3372 4.0'	14,075.7	25.870	1.208	6.519	0.761	1.246	1.604	0.0	0.0	1.3	0.0	1.3
3373 4.0'	1,700.8	34.220	2.060	14.052	1.398	2.881	5.090	0.1	1.8	2.4	0.3	4.5
3374 4.0'	820.0	15.923	1.057	5.178	0.755	1.185	1.815	0.0	0.6	1.6	0.2	2.4
3375 4.0'	135.5	6.922	0.475	3.512	0.317	0.639	1.455	0.0	0.6	1.0	0.0	1.5
3376 4.0'	3,108.5	10.487	0.527	2.983	0.281	0.604	0.759	0.0	0.0	1.5	0.0	1.5
3377 4.0'	4,666.3	8.044	0.475	3.042	0.305	0.610	0.877	3.6	28.5	42.7	2.2	77.0
3378 4.0'	24,286.3	13.654	2.898	4.875	2.175	0.807	1.806	0.0	0.3	5.5	14.3	20.1
3379 4.0'	373,294.7	47.159	3.914	16.379	2.293	3.612	6.240	7.4	17.0	16.2	4.3	44.8
3380 4.0'	69,031.9	11.836	1.702	2.921	0.346	0.710	1.035	5.3	3.1	1.3	0.0	9.6
3381 4.0'	9,493.5	9.997	0.661	2.396	0.231	0.557	0.768	0.0	0.3	1.3	0.0	1.5
3382 4.0'	16,382.4	12.784	1.116	3.333	0.787	0.767	1.234	1.4	0.3	1.2	0.0	3.0



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3383 4.0'	18,171.1	4.622	0.623	1.848	0.302	0.431	0.690	0.0	0.0	1.2	0.0	1.2
3384 4.0'	7,008.3	0.538	0.097	0.208	0.038	0.087	0.125	0.0	0.0	1.4	0.2	1.5
3385 4.0'	29,711.8	16.651	2.039	2.568	0.959	0.359	0.551	0.0	0.0	1.0	12.5	13.5
3386 4.0'	17,553.5	8.198	0.916	1.834	0.257	0.456	0.566	0.0	0.0	17.7	0.0	17.7
3387 4.0'	7,074.9	4.939	0.684	1.616	0.202	0.364	0.553	0.0	0.0	1.2	0.0	1.2
3388 4.0'	18,878.9	92.208	0.935	37.367	1.019	8.962	8.205	0.2	0.4	15.3	0.0	15.9
3389 4.0'	1,351.0	0.368	0.017	0.159	0.026	0.067	0.066	0.0	0.0	1.2	0.0	1.2
3390 4.0'	157.3	0.336	0.074	0.175	0.054	0.053	0.073	0.0	0.0	1.2	0.0	1.2
3391 4.0'	6,888.6	13.818	0.387	3.014	0.216	0.619	0.657	0.0	0.0	1.3	0.2	1.4
3392 4.0'	748.0	1.643	0.226	0.806	0.187	0.189	0.294	0.0	0.0	1.3	9.4	10.7
3393 4.0'	7,717.4	4.406	0.397	2.023	0.253	0.467	0.640	0.0	0.0	1.3	0.0	1.3
3394 4.0'	72.0	0.508	0.069	0.247	0.048	0.059	0.099	0.0	0.0	0.8	0.0	0.8
3395 4.0'	14.9	0.337	0.020	0.131	0.028	0.038	0.059	0.0	0.0	0.7	0.0	0.7
3396 4.0'	58.1	1.173	0.341	0.322	0.193	0.079	0.125	0.0	0.0	0.6	0.0	0.6
3397 4.0'	423.7	0.164	0.047	0.177	0.100	0.055	0.085	0.0	0.0	0.2	0.0	0.2
3398 4.0'	9.7	0.301	0.050	0.124	0.063	0.026	0.039	0.0	0.0	0.6	0.0	0.6
3399 4.0'	1,447.3	0.268	0.000	0.179	0.024	0.037	0.057	0.0	0.0	0.1	0.0	0.1
3400 4.0'	9.8	0.160	0.035	0.089	0.029	0.024	0.059	0.0	0.0	0.8	0.0	0.9
3401 4.0'	13.4	0.163	0.015	0.096	0.036	0.015	0.048	0.0	0.0	0.7	0.0	0.7
3402 4.0'	23.7	1.182	0.069	0.491	0.056	0.110	0.133	0.0	0.0	0.8	0.0	0.8
3403 4.0'	52.6	0.878	0.263	0.335	0.202	0.067	0.107	0.0	0.0	0.9	0.0	0.9
3404 4.0'	27.1	0.562	0.036	0.251	0.081	0.067	0.085	0.0	0.0	0.1	0.0	0.1
3405 4.0'	31.8	0.103	0.041	0.080	0.043	0.022	0.059	0.2	0.0	0.7	0.0	0.9
3406 4.0'	16.3	0.439	0.065	0.180	0.064	0.032	0.069	0.0	0.0	0.7	0.0	0.7
3407 4.0'	8.0	0.115	0.024	0.079	0.060	0.086	0.036	0.0	0.0	0.9	0.0	0.9
3408 4.0'	25.2	0.263	0.080	0.082	0.064	0.018	0.032	0.0	0.0	0.8	0.0	0.8
3409 4.0'	12.1	0.037	0.011	0.039	0.035	0.021	0.029	0.3	0.0	0.9	0.0	1.2
3410 4.0'	440.4	1.149	0.157	0.447	0.119	0.141	0.145	2.2	1.3	3.1	0.4	7.0
3411 4.0'	13.0	0.117	0.023	0.084	0.063	0.042	0.026	0.1	0.0	0.1	0.0	0.2
3412 4.0'	502.7	0.160	0.010	0.054	0.024	0.018	0.032	0.0	0.0	0.5	0.0	0.5
3413 4.0'	37.5	0.075	0.001	0.080	0.020	0.099	0.035	0.1	0.0	0.0	0.0	0.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3414 4.0'	37.9	1.299	0.127	0.709	0.075	0.142	0.230	0.4	1.1	0.4	0.1	2.0
3415 4.0'	313.7	0.596	0.160	0.301	0.195	0.130	0.094	0.0	0.0	0.0	0.0	0.0
3416 4.0'	4.6	0.062	0.011	0.055	0.023	0.026	0.029	0.2	0.0	0.7	0.0	1.0
3417 4.0'	15.0	0.301	0.053	0.126	0.047	0.039	0.049	0.1	0.0	0.0	0.0	0.1
3418 4.0'	7.6	0.117	0.016	0.102	0.029	0.170	0.033	0.0	0.0	0.0	0.0	0.0
3419 4.0'	165.3	3.716	1.035	1.135	0.698	0.204	0.367	0.0	0.0	0.5	0.0	0.5
3420 4.0'	79.5	2.076	0.974	0.734	0.632	0.146	0.274	0.0	0.0	0.8	0.0	0.8
3421 4.0'	82.4	1.790	0.149	0.667	0.093	0.142	0.234	0.0	0.0	0.7	0.0	0.7
3422 4.0'	59.0	1.368	0.673	0.565	0.423	0.090	0.216	0.1	0.0	0.5	0.0	0.6
3423 4.0'	529.0	9.316	0.848	2.860	0.575	0.586	0.889	0.0	0.0	0.3	0.0	0.3
3424 4.0'	365.3	6.280	1.452	2.025	1.045	0.418	0.543	0.7	0.3	0.1	0.0	1.2
3425 4.0'	401.2	10.701	0.463	2.615	0.337	0.524	0.570	0.1	0.1	0.2	0.0	0.4
3426 4.0'	282.9	6.941	0.685	2.341	0.459	0.468	0.680	0.1	0.1	0.2	0.0	0.4
3427 4.0'	181.7	5.217	0.919	2.164	0.505	0.437	0.813	0.1	0.2	0.3	0.0	0.6
3428 3.0'	49.2	1.087	0.201	0.362	0.218	0.132	0.182	0.4	1.4	0.0	0.0	1.9
3429 4.0'	49.7	2.181	0.166	0.735	0.130	0.157	0.233	0.1	0.0	0.3	0.0	0.3
3430 4.0'	335.7	7.325	0.330	2.512	0.247	0.523	0.719	0.0	0.0	0.3	0.0	0.3
3431 4.0'	216.9	4.292	0.324	1.514	0.233	0.314	0.442	0.0	0.0	0.3	0.0	0.3
3432 4.0'	123.5	3.959	2.188	1.476	1.517	0.242	0.498	0.0	0.0	0.4	0.0	0.4
3433 4.0'	159.1	2.477	0.763	0.980	0.611	0.217	0.328	0.8	1.9	0.3	0.4	3.5
3434 4.0'	132.5	2.961	0.427	0.953	0.317	0.196	0.306	0.0	0.0	0.3	0.0	0.3
3435 4.0'	161.3	6.994	0.754	2.725	0.411	0.518	0.678	1.0	1.1	0.2	0.0	2.3
3436 4.0'	143.5	3.825	1.058	1.639	1.251	0.290	0.455	0.1	0.0	0.4	0.0	0.5
3437 4.0'	128.6	2.407	0.512	0.931	0.437	0.226	0.277	0.8	0.6	0.2	0.0	1.7
3438 4.0'	444.3	4.537	0.754	1.662	0.537	0.375	0.414	1.8	0.6	0.3	0.2	2.9
3439 4.0'	252.8	4.004	0.822	1.683	0.680	0.383	0.467	1.2	1.1	0.2	0.0	2.5
3440 4.0'	400.7	5.043	0.613	1.978	0.480	0.297	0.402	2.5	0.7	0.2	0.0	3.4
3441 4.0'	120.7	2.721	1.199	1.090	0.870	0.187	0.435	0.0	0.0	0.7	0.0	0.7
3442 4.0'	7,746.9	7.735	0.922	2.224	0.731	3.469	6.364	6.2	5.3	1.4	0.0	12.9
3443 4.0'	974.2	7.253	0.392	2.156	0.345	0.451	0.651	0.1	1.0	1.0	0.0	2.2
3444 4.0'	5,703.7	10.517	1.430	2.709	1.091	15.234	2.362	25.1	17.1	0.7	0.0	43.0



# Exploration Technologies, Inc.

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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3445 4.0'	117.8	1.988	0.489	0.637	0.358	0.121	0.319	1.0	3.8	5.5	3.3	13.5
3446 4.0'	34.9	1.056	0.063	0.380	0.055	0.093	0.102	0.0	0.0	0.8	0.0	0.8
3447 4.0'	50.5	0.653	0.275	0.289	0.188	0.075	0.131	0.0	0.3	0.8	0.0	1.1
3448 4.0'	86.4	3.378	0.826	1.131	0.666	0.208	0.320	0.0	0.0	0.7	0.0	0.7
3449 4.0'	98.1	4.420	1.317	1.845	0.911	0.357	0.651	0.1	0.0	0.5	0.0	0.6
3450 3.0'	64.4	1.132	0.121	0.381	0.102	0.090	0.186	0.0	0.0	0.7	0.0	0.7
3451 3.0'	68.9	1.714	0.280	0.666	0.200	0.145	0.238	0.1	0.0	0.4	0.0	0.5
3452 4.0'	854.9	8.051	0.635	3.094	0.503	0.735	1.010	0.2	0.2	0.5	0.0	0.9
3453 4.0'	665.1	3.893	1.206	1.412	0.794	0.278	0.504	0.0	0.4	0.5	0.0	1.0
3454 4.0'	262.1	3.398	0.419	1.067	0.287	0.227	0.358	0.2	0.6	0.8	0.0	1.5
3455 3.0'	75.9	1.679	0.241	0.595	0.163	0.122	0.192	0.0	0.0	0.6	0.0	0.6
3456 4.0'	78.0	0.850	0.191	0.790	0.000	0.189	0.243	0.2	0.8	0.8	0.3	2.1
3457 4.0'	480.0	3.651	0.547	1.137	0.333	0.643	1.942	11.3	6.4	2.5	9.2	29.4
3458 4.0'	220.1	2.082	0.526	0.815	0.355	0.187	0.394	1.2	4.8	0.1	1.9	8.0
3459 4.0'	158.5	2.550	0.257	1.349	0.000	0.353	0.377	0.7	1.9	0.4	0.0	3.0
3460 4.0'	105.9	1.586	0.198	0.633	0.175	0.175	0.208	0.2	0.5	1.6	0.0	2.2
3461 4.0'	237.7	5.529	0.419	1.903	0.402	0.431	0.631	0.1	2.5	0.8	7.2	10.6
3462 4.0'	114.9	0.114	0.018	0.052	0.000	0.208	0.027	25.0	6.0	0.3	0.3	31.6
3463 4.0'	195.6	3.251	0.272	1.262	0.250	0.270	0.397	0.0	2.6	0.1	0.0	2.7
3464 4.0'	69.1	1.526	0.915	0.510	0.600	0.123	0.211	0.0	0.0	1.4	0.2	1.5
3465 4.0'	85.9	1.773	0.564	0.645	0.000	0.211	0.206	0.6	2.6	0.7	0.1	3.9
3466 4.0'	161.5	3.898	0.655	1.401	0.455	0.305	0.498	0.0	0.0	1.3	0.1	1.4
3467 4.0'	38.0	0.949	0.286	0.341	0.214	0.078	0.172	0.0	0.0	1.4	0.1	1.5
3468 4.0'	33.1	0.843	0.144	0.338	0.090	0.086	0.126	0.0	0.0	1.2	0.1	1.3
3469 4.0'	29.0	0.823	0.284	0.330	0.233	0.085	0.142	0.0	0.0	1.3	0.0	1.3
3470 3.5'	37.8	1.107	0.566	0.461	0.518	0.108	0.225	0.0	0.0	1.7	0.8	2.5
3471 4.0'	9.5	0.461	0.284	0.213	0.283	0.062	0.142	0.0	0.0	1.2	0.0	1.2
3472 4.0'	117.4	4.224	1.988	1.603	1.571	0.228	0.687	0.0	0.0	0.6	0.0	0.6
3473 4.0'	44.3	3.046	0.580	1.390	0.594	0.322	0.627	0.0	0.0	0.5	0.0	0.5
3474 4.0'	7.4	0.373	0.288	0.186	0.271	0.042	0.107	0.0	0.0	0.7	0.0	0.7
3475 4.0'	43.8	1.518	0.219	0.788	0.228	0.182	0.338	0.0	0.0	0.7	0.0	0.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3476 4.0'	27.3	0.699	0.244	0.297	0.234	0.068	0.153	0.0	0.0	0.6	0.0	0.6
3477 4.0'	23.2	0.702	0.352	0.315	0.278	0.070	0.186	0.0	0.0	0.5	0.0	0.5
3478 4.0'	16.3	0.523	0.345	0.223	0.295	0.035	0.135	0.1	0.0	0.7	0.0	0.8
3479 4.0'	17.8	0.359	0.243	0.162	0.238	0.034	0.102	0.0	0.0	0.6	0.0	0.6
3480 4.0'	6.6	0.209	0.125	0.097	0.148	0.023	0.057	0.0	0.0	0.6	0.0	0.6
3481 4.0'	19.0	0.562	0.165	0.226	0.168	0.062	0.106	0.0	0.0	0.9	0.0	0.9
3482 4.0'	10.1	0.438	0.274	0.176	0.228	0.041	0.068	0.0	0.0	0.8	0.0	0.8
3483 4.0'	11.8	0.168	0.257	0.104	0.207	0.086	0.034	0.0	0.0	0.1	0.0	0.1
3484 4.0'	132.0	2.584	0.696	0.899	0.520	0.230	0.400	0.0	0.0	0.9	0.0	0.9
3485 4.0'	14.5	0.062	0.018	0.032	0.014	0.024	0.019	0.0	0.0	0.8	0.0	0.8
3486 4.0'	12.0	0.289	0.045	0.124	0.048	0.043	0.053	0.0	0.0	0.7	0.0	0.7
3487 4.0'	48.8	1.085	0.661	0.473	0.496	0.100	0.288	0.0	0.0	0.9	0.0	0.9
3488 4.0'	10.1	0.354	0.217	0.148	0.213	0.052	0.112	0.0	0.0	0.8	0.0	0.8
3489 4.0'	50.7	0.976	0.506	0.375	0.421	0.081	0.214	0.0	0.0	0.8	0.0	0.8
3490 4.0'	88.1	2.076	0.784	0.705	0.552	0.132	0.288	0.0	0.0	0.5	0.0	0.5
3491 4.0'	13.0	0.250	0.098	0.096	0.071	0.028	0.062	0.0	0.1	0.8	0.0	0.9
3492 4.0'	63.7	1.645	0.209	0.603	0.173	0.127	0.221	0.0	0.0	0.3	0.0	0.3
3493 4.0'	63,173.1	0.779	0.100	0.265	0.073	1.240	5.099	24.8	5.2	0.8	0.0	30.8
3494 4.0'	120,448.2	7.144	2.256	1.510	0.005	11.005	106.340	674.8	493.6	65.5	4.2	1,238.0
3495 4.0'	134,069.5	7.765	1.087	2.076	1.038	8.938	74.071	510.2	375.1	93.3	4.7	983.2
3496 4.0'	50,594.1	0.587	0.000	0.514	0.071	4.700	49.665	288.3	223.2	90.5	1.4	603.4
3497 4.0'	103,793.5	6.453	2.073	1.380	0.753	4.909	45.400	133.2	230.9	29.6	2.5	396.2
3498 4.0'	21.0	0.380	0.040	0.139	0.031	0.031	0.042	0.0	0.0	0.2	0.0	0.3
3499 4.0'	14.8	0.312	0.018	0.114	0.027	0.044	0.047	0.0	0.0	0.6	0.0	0.6
3500 4.0'	17.1	0.501	0.027	0.188	0.025	0.049	0.055	0.0	0.0	0.6	0.0	0.6
3501 4.0'	5.5	0.151	0.073	0.061	0.070	0.020	0.047	0.0	0.0	0.2	0.0	0.3
3502 4.0'	170.4	3.238	0.297	0.981	0.260	0.217	0.257	0.0	0.0	0.5	0.0	0.5
3503 4.0'	37.5	0.674	0.231	0.235	0.183	0.058	0.111	0.0	0.0	0.6	0.1	0.8
3504 4.0'	30.6	1.105	0.151	0.527	0.145	0.094	0.203	0.1	0.0	0.2	0.0	0.3
3505 4.0'	91.8	1.616	0.354	0.452	0.286	0.104	0.196	0.0	0.0	0.7	0.0	0.7
3506 4.0'	53.8	1.098	0.347	0.368	0.290	0.073	0.182	0.0	0.0	0.6	0.0	0.6



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3507 4.0'	16.5	0.408	0.246	0.148	0.207	0.023	0.093	0.0	0.0	0.2	0.0	0.3
3508 4.0'	43.8	1.170	0.222	0.413	0.191	0.095	0.169	0.0	0.0	0.6	0.0	0.6
3509 4.0'	8.6	0.205	0.081	0.067	0.069	0.034	0.041	0.0	0.0	0.6	0.0	0.6
3510 4.0'	51.9	1.243	0.313	0.402	0.210	0.086	0.192	0.0	0.0	0.8	0.2	1.1
3511 4.0'	90.0	2.093	0.673	0.731	0.606	0.145	0.335	0.0	0.0	0.8	0.0	0.8
3512 4.0'	214.4	4.283	0.770	1.541	0.679	0.324	0.557	0.1	0.0	0.9	0.0	1.0
3513 4.0'	447.6	4.227	0.579	1.547	0.538	0.351	0.654	0.0	0.0	0.7	0.0	0.7
3514 4.0'	33.9	0.806	0.177	0.312	0.184	0.110	0.144	0.0	0.0	0.6	0.0	0.6
3515 4.0'	48.9	1.182	0.549	0.464	0.535	0.088	0.266	0.0	0.0	0.7	0.0	0.7
3516 4.0'	48.2	2.343	1.924	0.917	1.397	0.129	0.436	0.2	0.0	0.9	0.0	1.1
3517 4.0'	79.1	1.367	0.592	0.487	0.522	0.095	0.281	0.0	0.0	0.7	2.1	2.8
3518 4.0'	61.9	1.779	0.548	0.663	0.502	0.136	0.325	0.0	0.0	0.7	0.0	0.7
3519 4.0'	62.3	1.475	0.347	0.550	0.306	0.145	0.241	0.0	0.0	0.7	0.0	0.7
3520 4.0'	26.3	0.636	0.123	0.257	0.118	0.066	0.109	0.3	0.0	1.0	0.0	1.3
3521 4.0'	9.5	0.400	0.221	0.169	0.199	0.053	0.115	0.0	0.0	1.0	0.0	1.0
3522 4.0'	16.0	0.596	0.344	0.281	0.335	0.049	0.158	0.2	0.0	1.0	1.7	2.8
3523 4.0'	60.7	0.981	0.410	0.403	0.341	0.082	0.192	0.2	0.0	1.2	0.0	1.4
3524 4.0'	60.8	1.448	0.241	0.548	0.223	0.151	0.202	0.1	0.0	1.2	0.0	1.3
3525 4.0'	5.0	0.138	0.072	0.054	0.065	0.030	0.047	0.3	0.0	1.0	0.0	1.4
3526 4.0'	7.8	0.309	0.213	0.119	0.207	0.043	0.101	0.0	0.0	0.6	0.0	0.6
3527 4.0'	51.5	1.231	0.163	0.453	0.146	0.113	0.179	0.0	0.0	0.5	0.0	0.5
3528 4.0'	7.4	0.284	0.107	0.113	0.116	0.060	0.058	0.0	0.0	0.7	0.0	0.7
3529 4.0'	2.7	0.080	0.021	0.047	0.034	0.181	0.023	0.2	0.0	0.7	0.0	0.9
3530 4.0'	344.8	8.954	0.361	2.913	0.386	0.690	0.926	0.0	0.1	0.4	0.0	0.5
3531 4.0'	339.4	7.363	1.579	2.220	1.156	0.396	0.968	0.0	0.0	0.5	0.0	0.5
3532 4.0'	226.8	1.319	0.258	1.119	0.463	0.331	0.437	0.0	0.0	0.5	0.0	0.5
3533 4.0'	101.0	3.212	0.455	1.141	0.506	0.228	0.512	0.0	0.1	0.5	0.0	0.6
3536 4.0'	1,663.4	0.875	0.000	0.102	0.052	0.044	0.095	1.8	0.3	0.3	0.0	2.4
3537 4.0'	94.0	0.024	0.013	0.017	0.019	0.022	0.032	0.0	0.2	0.7	0.0	0.9
3538 4.0'	473,787.8	2.905	0.000	0.853	0.071	0.821	2.527	12.3	10.0	0.0	0.0	22.3
3539 4.0'	82.9	0.070	0.065	0.031	0.052	0.025	0.036	0.0	0.0	0.7	0.0	0.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3540 4.0'	1,065.2	0.158	0.000	0.053	0.043	0.026	0.038	0.0	0.0	0.3	0.0	0.3
3541 3.0'	75,657.4	0.684	0.000	0.177	0.034	0.181	0.435	0.0	0.0	0.2	0.0	0.2
3542 3.0'	413.4	0.090	0.003	0.039	0.018	0.015	0.019	0.0	0.0	0.4	0.0	0.4
3543 3.0'	53.3	0.465	0.088	0.130	0.077	0.036	0.051	0.0	0.0	0.5	0.0	0.5
3544 3.0'	482.6	0.444	0.056	0.118	0.060	0.043	0.051	0.0	0.0	1.0	0.0	1.0
3545 3.5'	26,305.4	0.399	0.000	9.862	2.048	0.888	1.999	77.5	12.0	3.5	0.0	93.0
3546 3.0'	5,967.2	3.623	0.480	1.034	0.425	0.240	0.397	0.0	0.6	5.9	4.5	11.0
3547 3.0'	29,065.8	0.395	0.000	0.101	0.022	0.046	0.073	0.6	0.3	0.1	0.0	0.9
3548 3.0'	777.5	0.130	0.000	0.081	0.021	0.041	0.044	0.0	0.0	0.4	0.0	0.4
3549 3.0'	6.5	0.259	0.092	0.128	0.093	0.034	0.050	0.1	0.0	0.2	0.0	0.3
3550 3.0'	347.6	0.277	0.058	0.131	0.072	0.059	0.122	0.1	0.0	0.3	0.0	0.4
3551 2.0'	254.8	2.160	0.564	0.888	0.627	0.351	0.459	0.1	0.8	1.1	0.0	2.0
3552 3.0'	79.4	0.909	0.381	0.298	0.313	0.129	0.113	0.0	0.0	0.2	0.0	0.2
3553 4.0'	71.8	1.153	0.766	0.783	0.549	0.126	0.380	0.0	0.1	0.9	0.0	1.0
3555 4.0'	220.0	0.427	0.340	0.179	0.254	0.051	0.119	0.0	0.0	0.7	0.0	0.7
3556 3.0'	18.9	0.231	0.043	0.124	0.067	0.037	0.046	0.0	0.0	0.2	0.0	0.2
3557 2.5'	243.4	0.095	0.015	0.061	0.035	0.037	0.037	0.0	0.0	1.0	0.0	1.0
3558 4.0'	29.1	0.277	0.687	0.099	0.354	0.031	0.137	0.1	0.5	0.9	0.4	1.8
3559 4.0'	47.5	0.813	0.177	0.292	0.133	0.064	0.112	0.0	0.0	0.5	0.0	0.5
3561 4.0'	249.8	0.383	0.126	0.151	0.107	0.056	0.076	0.0	0.0	0.8	0.3	1.1
3562 4.0'	7.5	0.098	0.103	0.038	0.074	0.017	0.032	0.1	0.0	0.8	0.0	0.9
3563 4.0'	4.2	0.036	0.007	0.023	0.013	0.022	0.020	0.0	0.0	0.6	0.0	0.6
3564 2.5'	481.1	4.081	0.722	0.116	0.060	0.043	0.093	0.2	0.0	0.7	0.0	0.9
3565 4.0'	5.3	0.083	0.040	0.033	0.043	0.019	0.032	0.0	0.0	0.6	0.0	0.6
3566 4.0'	8.8	0.029	0.012	0.025	0.022	0.020	0.036	0.0	0.0	0.7	0.0	0.7
3567 4.0'	14.3	0.036	0.025	0.019	0.031	0.029	0.014	0.0	0.0	0.7	0.0	0.7
3568 3.5'	38.2	0.979	0.015	0.033	0.014	0.064	0.012	0.0	0.0	1.4	0.0	1.4
3569 4.0'	12.0	0.056	0.029	0.021	0.027	0.016	0.016	0.0	0.0	0.7	0.0	0.7
3570 4.0'	26.3	0.048	0.036	0.044	0.039	0.028	0.041	0.0	0.0	0.6	0.0	0.6
3571 4.0'	6.9	0.019	0.011	0.025	0.018	0.020	0.016	0.0	0.0	0.6	0.0	0.6
3572 4.0'	2.4	0.090	0.085	0.062	0.097	0.056	0.028	0.0	0.0	0.4	0.0	0.4





# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3573 3.0'	2,921.2	2.190	0.557	1.159	0.672	0.269	0.547	0.0	0.0	0.5	0.0	0.5
3574 4.0'	1,265.9	0.227	0.134	0.139	0.107	0.059	0.100	0.0	0.3	0.6	0.4	1.3
3575 4.0'	7.5	0.205	0.179	0.122	0.187	0.028	0.070	0.4	0.0	0.8	0.0	1.2
3576 4.0'	157.7	0.178	0.086	0.060	0.068	0.023	0.039	0.0	0.0	0.8	0.0	0.8
3577 4.0'	83.5	2.609	1.984	1.116	1.552	0.151	0.440	0.0	0.0	0.7	0.0	0.7
3578 4.0	709.7	0.210	0.047	0.427	0.156	0.140	0.174	0.0	0.2	4.9	2.7	7.8
3579 4.0'	1,154.5	1.043	0.000	0.034	0.054	0.022	0.059	0.0	0.2	0.3	0.0	0.5
3580 3.0'	13.1	0.084	0.059	0.035	0.051	0.014	0.037	0.0	0.0	0.3	0.0	0.3
3581 3.0'	253.8	1.273	0.195	0.349	0.185	0.092	0.170	0.0	0.0	0.7	0.0	0.7
3582 4.0'	2.8	0.033	0.010	0.017	0.019	0.018	0.020	0.0	0.0	0.8	0.0	0.8
3583 4.0'	4,876.0	0.074	0.033	0.033	0.047	0.025	0.033	0.1	0.0	0.6	0.0	0.7
3584 4.0'	119.9	0.085	0.033	0.040	0.033	0.035	0.033	0.5	0.0	0.8	0.0	1.3
3585 4.0'	11,490.0	2.811	0.000	0.334	0.178	0.093	0.276	78.7	217.9	62.0	48.5	407.1
3587 4.0'	76,321.6	0.836	0.000	4.400	0.226	0.043	0.130	0.0	0.0	0.0	0.0	0.0
3588 4.0'	232.8	0.383	0.214	0.244	0.180	0.052	0.103	0.0	0.0	0.6	0.0	0.6
3589 4.0'	957.5	1.126	1.044	0.433	0.832	0.059	0.237	0.0	0.0	0.4	0.0	0.4
3590 3.0'	725.2	0.123	0.000	0.069	0.043	0.031	0.054	0.2	0.0	0.2	0.0	0.4
3592 4.0'	82.3	1.581	0.126	0.487	0.118	0.119	0.146	0.0	0.0	0.7	0.0	0.7
3593 4.0'	2.2	0.058	0.018	0.030	0.022	0.024	0.032	0.9	0.0	1.2	0.0	2.1
3594 4.0'	57.0	1.215	0.388	0.445	0.278	0.108	0.198	0.0	0.0	0.8	0.0	0.8
3595 4.0'	16.1	0.125	0.084	0.084	0.077	0.028	0.040	0.0	0.0	1.1	0.0	1.1
3596 4.0'	171.0	0.130	0.058	0.056	0.058	0.032	0.028	0.0	0.0	1.0	0.0	1.0
3597 4.0'	6.1	0.095	0.060	0.041	0.051	0.027	0.034	0.0	0.0	0.9	0.0	0.9
3598 4.0'	2.0	0.033	0.011	0.023	0.011	0.025	0.021	0.0	0.0	0.8	0.0	0.8
3599 3.5	2.3	0.031	0.008	0.017	0.008	0.021	0.011	0.0	0.0	0.8	0.0	0.8
3600 4.0'	1.8	0.018	0.018	0.027	0.013	0.037	0.032	0.2	0.0	1.1	0.0	1.3
3601 4.0'	35.5	0.713	0.964	0.258	0.618	0.051	0.154	0.0	0.0	1.1	0.0	1.1
3602 4.0'	24,367.6	0.506	0.000	0.138	0.061	0.295	0.335	4.9	3.4	0.4	0.0	8.7
3603 3.0'	2.3	0.075	0.030	0.024	0.030	0.015	0.024	0.0	0.0	0.8	27.4	28.2
3606 4.0'	41.5	0.024	0.005	0.024	0.019	0.040	0.027	0.1	0.0	1.0	0.0	1.1
3607 4.0'	2.2	0.066	0.071	0.039	0.090	0.044	0.043	0.0	0.3	1.1	0.0	1.4



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3608 4.0'	107,021.2	9.871	32.502	0.076	0.129	0.031	0.174	39.9	29.3	1.3	0.0	70.4
3609 4.0'	3.6	0.090	0.060	0.040	0.059	0.029	0.032	0.0	0.0	1.0	0.0	1.0
3610 4.0'	22.8	0.455	0.103	0.149	0.076	0.049	0.086	0.0	0.0	0.5	0.0	0.5
3611 3.0'	3.5	0.052	0.014	0.016	0.012	0.012	0.017	0.0	0.0	0.6	5.9	6.5
3612 3.0'	8.4	0.091	0.049	0.040	0.038	0.016	0.029	0.0	0.0	0.6	0.0	0.6
3613 4.0'	476.1	0.444	0.093	0.144	0.085	0.038	0.070	0.0	0.0	0.6	0.0	0.6
3614 4.0'	6.3	0.071	0.067	0.046	0.057	0.034	0.064	0.0	1.0	2.9	0.0	3.9
3615 4.0'	2.0	0.018	0.004	0.013	0.008	0.016	0.014	0.0	0.0	0.5	0.0	0.5
3616 4.0'	50.4	0.012	0.007	0.013	0.017	0.015	0.014	0.0	0.0	0.6	0.0	0.6
3617 4.0'	95.7	0.110	0.201	0.049	0.117	0.019	0.051	0.0	0.0	0.6	0.0	0.6
3618 4.0'	1,216.8	8.540	0.463	3.030	0.467	0.519	1.053	0.0	0.1	0.3	0.0	0.4
3619 4.0'	2,445.8	0.887	0.013	0.647	0.111	0.161	1.102	23.2	60.2	54.9	16.6	154.9
3620 2.5'	5.2	0.042	0.009	0.028	0.012	0.020	0.030	0.0	0.0	0.4	0.1	0.6
3622 3.0'	20.1	0.405	0.084	0.185	0.035	0.060	0.081	0.2	0.2	0.3	0.0	0.7
3623 3.0'	200.0	4.728	0.883	1.690	0.718	0.328	0.629	0.0	0.0	1.0	0.0	1.0
3625 4.0'	60.3	0.116	0.037	0.055	0.008	0.023	0.030	0.0	0.0	0.3	0.0	0.3
3627 3.5'	99.3	0.120	0.048	0.074	0.010	0.026	0.055	0.0	0.0	0.4	0.0	0.4
3628 3.5'	4,521.0	0.148	0.040	0.081	0.027	0.025	0.135	4.5	5.3	0.5	0.0	10.4
3629 3.0'	28,928.1	18.580	0.000	10.933	2.214	0.952	2.332	0.0	0.0	0.3	0.0	0.3
3630 4.0'	3,190.6	23.258	0.403	7.743	3.232	1.492	2.659	0.0	0.0	0.3	0.0	0.3
3631 3.0'	21.0	0.449	0.135	0.206	0.134	0.094	0.106	0.0	0.0	0.4	0.0	0.4
3632 4.0'	2.7	0.079	0.016	0.062	0.020	0.024	0.047	0.0	0.0	0.3	0.0	0.3
3633 3.0'	3.7	0.090	0.025	0.089	0.024	0.030	0.061	0.2	0.0	1.1	0.0	1.3
3634 3.0'	72.1	1.455	0.118	0.539	0.057	0.125	0.173	0.0	0.0	0.4	0.0	0.4
3635 4.0'	8.5	0.151	0.076	0.056	0.075	0.037	0.033	0.0	0.0	1.0	0.0	1.0
3636 4.0'	22.2	0.303	0.206	0.152	0.201	0.046	0.073	0.2	0.0	0.9	0.0	1.1
3637 3.5'	482.4	0.616	0.027	0.279	0.048	0.073	0.168	0.0	1.9	0.8	0.0	2.7
3638 3.0'	353.2	2.284	0.182	0.699	0.123	0.168	0.237	0.0	0.0	0.4	0.0	0.4
3639 3.0'	4,027.2	1.046	0.029	2.125	0.045	1.343	20.234	0.5	1.2	0.8	0.0	2.5
3640 4.0'	6,104.9	0.190	0.000	0.043	0.017	0.023	0.038	0.0	0.0	1.4	0.0	1.4
3641 2.5'	100.7	0.241	0.017	0.552	0.048	0.155	0.138	0.0	0.3	0.4	0.0	0.7



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3641 4.0'	127,875.8	3.483	0.000	0.424	0.070	0.115	0.178	3.0	3.7	0.8	0.0	7.6
3643 3.5'	18.8	0.668	0.061	0.261	0.119	0.101	0.151	0.0	0.0	0.3	0.0	0.3
3644 3.0'	48.0	0.495	0.062	0.102	0.066	0.097	0.079	0.0	0.0	0.5	0.0	0.5
3645 4.0'	14,768.3	2.492	0.050	31.796	37.335	18.293	498.970	459.8	48.9	5.4	0.0	514.1
3646 3.0'	28,180.6	2.199	0.157	19.631	0.714	10.350	148.960	73.0	34.5	12.1	0.0	119.7
3647 3.0'	3,359.4	0.257	0.000	0.194	0.024	0.281	0.392	0.0	0.0	0.5	0.0	0.5
3648 4.0'	438,863.1	0.472	0.000	0.456	0.050	0.138	0.457	62.1	87.0	29.2	1.0	179.3
3649 3.5'	71.1	0.225	0.017	0.094	0.027	0.044	0.113	0.0	0.0	0.3	0.0	0.3
3650 3.5'	19,039.6	0.397	0.000	0.156	0.048	0.046	0.097	1.9	1.7	1.0	0.0	4.5
3651 4.0'	17.4	0.269	0.008	0.097	0.028	0.038	0.092	0.0	0.0	0.3	0.0	0.3
3652 2.5'	16,696.9	1.032	0.000	0.496	0.114	0.136	0.258	0.1	0.5	1.0	0.0	1.6
3653 4.0'	5,930.8	4.636	1.400	5.110	3.368	1.687	35.602	48.6	5.4	1.3	0.0	55.3
3654 3.0'	9,199.4	1.067	0.003	0.593	0.276	0.223	0.327	9.0	28.1	46.0	8.5	91.4
3655 3.0'	404,136.3	15.005	0.000	0.439	0.123	0.116	0.265	63.1	130.8	45.1	2.8	241.9
3656 2.5'	7,408.6	0.472	0.252	0.367	0.384	0.189	0.157	0.5	1.0	0.0	0.0	1.5
3657 2.5'	40,836.7	8.592	0.000	1.569	0.130	0.375	0.484	2.7	1.3	0.2	0.0	4.3
3658 4.0'	39.6	1.153	0.081	0.425	0.115	0.151	0.247	0.2	0.2	0.2	0.0	0.7
3659 3.0'	51.8	0.700	0.069	0.263	0.061	0.078	0.108	0.0	0.0	0.4	0.0	0.4
3660 4.0'	16,278.5	2.739	0.000	5.445	3.824	1.861	104.270	183.3	158.3	271.5	95.6	708.5
3661 4.0'	888.7	0.128	0.010	0.070	0.035	0.052	0.134	7.6	12.3	0.9	0.0	20.8
3662 3.0'	58.1	0.375	0.063	0.178	0.065	0.159	0.091	0.0	0.0	0.8	0.0	0.8
3663 3.0'	1,133.6	0.199	0.013	0.084	0.038	0.038	0.046	0.0	0.0	0.7	0.0	0.7
3664 2.5'	18.3	0.471	0.066	0.160	0.069	0.083	0.083	0.0	0.0	0.4	0.0	0.4
3665 2.5'	5.7	0.215	0.009	0.252	0.023	0.073	0.060	0.1	0.0	0.6	0.0	0.7
3666 2.5'	34.0	0.408	0.021	0.204	0.030	0.098	0.066	0.0	0.0	0.5	0.0	0.5
3667 3.5'	21,414.7	1.273	0.077	9.167	6.184	6.694	151.830	155.3	17.0	1.1	0.0	173.3
3668 3.0'	453.9	0.162	0.047	0.179	0.035	0.126	0.103	0.2	0.0	1.1	0.0	1.3
3669 4.0'	36,276.0	4.117	0.000	0.486	0.177	0.153	0.166	1.0	2.0	1.6	0.0	4.6
3670 3.0'	1,721.3	0.390	0.000	0.092	0.014	0.021	0.036	0.0	0.0	0.4	0.0	0.4
3671 3.0'	26.5	0.268	0.024	0.206	0.032	0.055	0.160	0.0	0.0	0.6	0.0	0.6
3672 3.0'	274,039.1	20.597	0.000	71.914	320.180	62.827	1,829.600	2,072.7	749.8	662.9	39.7	3,525.1



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3673 3.0'	499,260.9	30.970	0.000	0.321	0.090	0.466	0.709	218.7	580.8	263.8	17.9	1,081.1
3675 3.0'	65.3	0.310	0.015	0.076	0.020	0.027	0.033	0.1	0.0	0.6	0.0	0.7
3676 2.0'	9.7	0.211	0.210	0.131	0.205	0.106	0.122	0.2	0.0	0.4	0.0	0.6
3677 3.5'	3,083.7	0.586	0.000	0.522	2.419	0.625	21.715	507.0	117.2	2.4	0.0	626.7
3679 4.0'	2,900.4	0.143	0.000	0.043	0.047	0.021	0.134	0.0	0.0	0.7	0.0	0.7
3680 3.0'	189.4	0.170	0.011	0.064	0.017	0.032	0.032	0.2	0.0	0.7	0.0	0.9
3682 3.0'	5.9	0.043	0.006	0.020	0.013	0.021	0.017	0.0	0.0	0.5	0.0	0.5
3683 4.0'	15,778.1	0.551	0.000	0.174	0.088	0.116	0.452	8.6	38.8	80.5	7.6	135.4
3684 3.5'	1,154.3	0.078	0.000	0.044	0.020	0.103	0.148	5.9	6.5	1.6	0.0	14.0
3685 4.0'	330,079.4	5.313	0.000	0.231	0.041	0.033	0.111	59.3	127.9	38.4	0.5	226.1
3686 4.0'	9.9	0.301	0.026	0.113	0.020	0.030	0.053	0.0	0.0	0.5	0.0	0.5
3687 4.0'	10,769.3	1.760	0.000	0.352	0.234	0.131	0.144	0.4	2.2	1.1	0.0	3.7
3688 4.0'	72,355.3	0.644	0.000	0.263	0.230	0.243	7.590	51.4	42.7	21.4	0.0	115.4
3689 4.0'	5,743.4	1.555	0.025	0.730	0.029	0.194	0.595	15.2	15.1	9.3	3.8	43.4
3690 4.0'	1,458.8	1.649	0.000	0.781	0.048	0.214	0.217	3.4	4.0	0.7	0.0	8.0
3692 4.0'	1,157.7	0.228	0.000	0.107	0.045	0.040	0.048	1.3	2.5	0.9	0.0	4.6
3693 4.0'	188.1	0.530	0.016	0.158	0.023	0.039	0.064	0.0	0.2	0.5	0.0	0.7
3694 4.0'	4,392.2	1.134	0.133	0.170	0.091	0.038	0.117	1.2	8.4	2.3	0.0	11.9
3695 4.0'	11.9	0.242	0.068	0.075	0.052	0.026	0.039	0.0	0.0	0.7	0.0	0.7
3696 3.0'	56,538.5	1.568	0.000	1.066	5.543	1.144	40.778	642.3	417.6	134.5	0.0	1,194.3
3697 4.0'	824.7	0.849	0.045	0.243	0.042	0.058	0.082	1.5	2.1	0.7	0.0	4.4
3698 4.0'	2,562.8	1.988	0.071	0.819	0.055	0.196	0.254	0.0	2.3	0.5	0.0	2.8
3699 4.0'	253.7	0.274	0.014	0.117	0.015	0.036	0.037	0.0	0.4	0.7	0.0	1.0
3700 4.0'	155.7	3.967	0.034	1.869	0.104	0.564	0.679	0.0	0.0	0.7	0.0	0.7
3701 4.0'	1,102.6	0.384	0.063	0.114	0.054	0.036	0.111	4.8	6.6	1.1	0.0	12.5
3702 4.0'	793.5	0.353	0.000	0.204	0.048	0.123	0.085	0.8	0.8	1.0	0.0	2.6
3703 4.0'	448,964.2	4.626	0.000	0.179	0.061	0.421	0.526	122.9	590.5	626.5	45.8	1,385.8
3704 4.0'	36,353.5	5.750	0.000	1.232	0.064	0.315	0.616	1.1	6.3	4.3	0.0	11.7
3705 4.0'	4,974.8	1.059	0.000	0.377	0.106	0.108	0.174	0.0	2.4	0.8	0.0	3.2
3706 4.0'	202.7	2.941	0.045	0.968	0.038	0.265	0.167	0.0	0.0	0.6	0.0	0.6
3707 4.0'	1,123.3	5.967	0.000	2.516	0.110	0.650	0.852	1.3	4.0	3.7	0.0	9.0



# Exploration Technologies, Inc.

7755 Synott Road Houston, Texas 77083 (281) 530-4300 FAX (281) 530-4308

## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3708 4.0'	5,398.9	1.296	0.000	0.652	0.041	0.216	0.317	4.5	40.5	0.1	0.0	45.1
3709 4.0'	95,577.6	26.415	30.947	0.399	0.073	0.169	0.919	218.9	284.6	32.2	0.0	535.8
3710 4.0'	2,672.9	0.726	0.000	0.217	0.083	0.292	5.325	325.1	169.7	24.4	0.0	519.2
3711 4.0'	20,135.9	0.373	0.000	0.064	0.038	0.073	0.367	8.3	6.2	6.6	0.0	21.1
3712 4.0'	3,416.3	0.539	0.003	0.341	0.039	0.130	0.506	5.5	6.3	3.0	0.0	14.7
3713 4.0'	1,348.8	12.336	0.116	5.108	0.203	1.162	1.677	0.0	0.6	0.8	0.0	1.3
3714 4.0'	175.8	1.763	0.086	0.770	0.075	0.201	0.245	0.0	0.0	0.4	0.0	0.4
3715 4.0'	2,159.9	0.170	0.016	0.058	0.027	0.035	0.053	0.1	1.8	1.0	0.0	2.9
3718 4.0'	1,234.6	0.237	0.000	0.058	0.012	0.019	0.039	0.0	0.4	0.5	0.0	0.9
3719 4.0'	345.3	0.265	0.000	0.484	0.036	0.108	0.532	5.1	2.3	1.1	0.0	8.6
3720 4.0'	25,223.9	2.010	0.000	0.751	0.973	0.761	26.125	772.1	354.3	8.9	0.0	1,135.3
3721 4.0'	21,976.9	0.801	0.000	0.556	0.065	0.216	2.043	15.2	37.2	10.5	0.0	62.9
3722 4.0'	2,240.1	0.608	0.019	0.276	0.035	0.075	0.168	1.0	1.9	0.5	0.0	3.5
3723 4.0'	3,803.2	0.357	0.012	0.208	0.024	0.055	0.205	9.8	10.5	1.5	0.0	21.8
3724 4.0'	180.1	0.104	0.000	0.044	0.016	0.025	0.037	0.1	0.5	0.6	0.0	1.2
3725 4.0'	129,007.0	17.829	0.000	0.170	0.120	0.647	33.214	2,964.8	1,497.4	132.9	2.0	4,597.0
3726 4.0'	500,525.7	10.438	0.000	1.924	0.559	3.168	65.478	565.5	541.2	49.0	3.2	1,158.9
3727 4.0'	246,045.1	44.475	0.000	11.017	0.261	11.452	312.370	174.7	412.8	79.9	8.2	675.6
3728 4.0'	1,874.7	0.965	0.008	0.380	0.017	0.091	0.177	0.3	2.9	1.0	0.0	4.2
3730 4.0'	27.3	0.125	0.011	0.052	0.013	0.017	0.025	0.0	0.0	0.4	0.0	0.4
3731 4.0'	165.9	0.099	0.000	0.207	0.050	0.061	0.530	12.5	26.2	6.8	0.0	45.4
3732 4.0'	368,148.3	58.912	325.920	0.808	0.114	3.100	38.985	4,874.1	4,813.9	620.1	65.2	10,373.4
3734 3.0'	331.4	1.211	0.019	0.521	0.031	0.142	0.258	0.0	0.7	0.7	0.0	1.4
3735 4.0'	193.3	0.185	0.000	0.165	0.023	0.060	0.105	0.1	0.3	0.7	0.0	1.1
3736 3.5'	172.9	0.157	0.001	0.205	0.017	0.072	0.106	0.2	0.0	0.7	0.0	0.9
3739 3.0'	1,233.9	0.589	0.000	0.243	0.054	0.091	0.098	0.0	0.0	0.4	0.0	0.5
3740 4.0'	1,963.0	0.557	0.000	0.101	0.029	0.069	0.440	153.5	75.1	8.4	0.0	237.0
3741 2.0'	27.5	0.101	0.000	0.027	0.052	0.076	0.000	0.0	0.0	0.9	0.0	0.9
3742 4.0'	32,259.1	6.725	0.000	1.184	0.103	0.748	1.132	12.6	26.3	14.6	0.5	54.1
3744 2.5'	13.0	0.199	0.008	0.073	0.012	0.038	0.030	0.1	0.0	0.7	0.0	0.8
3745 3.0'	167.3	0.180	0.005	0.083	0.029	0.051	0.050	0.0	0.0	0.9	0.0	0.9



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3746 4.0'	89.1	0.399	0.035	0.092	0.026	0.046	0.026	0.0	1.0	0.9	0.0	1.8
3747 3.0'	1,435.8	0.656	0.000	0.395	0.037	0.270	0.462	0.3	6.2	1.8	0.0	8.4
3748 3.0'	241.3	0.164	0.000	0.086	0.027	0.060	0.177	0.0	0.2	0.5	0.0	0.7
3749 4.0'	18,208.2	5.515	0.000	0.592	0.047	0.457	0.916	417.6	255.2	41.0	0.6	714.4
3750 3.0'	2,193.0	0.173	0.000	0.046	0.117	0.019	0.462	5.7	3.6	1.7	0.0	11.0
3751 4.0'	1,515.8	5.409	0.979	1.766	0.839	0.331	0.605	3.5	4.9	3.1	4.5	15.9
3752 4.0'	413.8	0.156	0.005	0.057	0.027	0.035	0.041	0.0	0.0	0.4	0.0	0.4
3758 2.5'	5,919.5	0.480	0.000	0.089	0.019	0.122	0.075	0.6	4.9	1.9	0.0	7.5
3759 3.0'	186,817.5	32.192	0.000	65.501	64.959	179.880	2,720.000	1,001.3	386.8	86.4	0.0	1,474.5
3760 4.0'	33,639.1	7.073	2.169	2.077	1.489	0.592	2.502	29.3	196.1	133.5	13.3	372.2
3761 4.0'	134.4	0.136	0.013	0.116	0.020	0.048	0.060	0.6	0.4	0.3	0.0	1.2
3762 4.0'	2,157.6	0.383	0.000	0.102	0.042	0.032	0.132	5.1	5.9	1.7	0.0	12.8
3764 4.0'	453,261.3	53.646	0.000	0.113	0.052	9.448	162.370	10,825.2	6,122.6	1,191.5	33.4	18,172.7
3765 4.0'	112,898.8	34.091	0.000	0.333	0.129	0.430	0.814	171.6	42.3	2.3	0.0	216.2
3766 4.0'	1,717.3	1.683	0.000	1.132	0.028	0.430	5.114	36.4	10.5	0.4	0.0	47.4
3768 4.0'	384,752.8	42.032	0.000	1.621	0.342	1.743	16.318	566.1	835.3	49.5	3.5	1,454.3
3769 4.0'	1,965.6	2.071	0.000	0.100	0.029	0.079	0.746	16.9	7.6	2.3	0.0	26.8
3770 4.0'	167,821.4	46.860	0.000	0.465	0.320	3.863	61.710	3,495.8	1,671.1	285.1	5.9	5,457.9
3771 4.0'	2,139.6	4.621	0.115	1.769	0.116	0.564	1.641	11.2	6.5	0.9	0.4	19.0
3772 4.0'	180,685.6	39.935	0.000	0.276	0.027	0.778	6.088	416.4	500.8	9.0	0.1	926.3
3773 4.0'	110.1	0.308	0.017	0.141	0.022	0.053	0.065	0.0	0.0	0.4	0.0	0.4
3784 4.0'	122.1	0.039	0.039	0.042	0.021	0.018	0.050	0.0	0.7	0.7	0.0	1.4
3785 3.0'	12.0	0.221	0.018	0.094	0.029	0.026	0.035	0.0	0.0	0.4	0.0	0.4
3786 4.0'	55.6	0.094	0.017	0.033	0.018	0.013	0.013	0.0	1.5	0.4	0.0	1.9
3787 3.5'	4,645.3	0.998	0.028	0.162	0.066	0.049	1.303	11.2	2.4	0.7	0.0	14.3
3788 4.0'	1,576.2	0.240	0.010	0.084	0.015	0.027	0.035	8.1	11.4	3.4	0.0	22.8
3789 3.0'	241.9	0.135	0.008	0.148	0.022	0.037	0.087	0.6	4.3	0.9	0.0	5.7
3790 4.0'	1,032.1	0.233	0.006	0.168	0.022	0.046	0.055	0.0	0.3	0.4	0.0	0.8
3791 4.0'	2,323.6	3.441	0.891	0.451	0.574	0.048	0.214	0.1	6.9	13.9	19.4	40.3
3792 4.0'	111,929.4	3,863.670	0.000	1,243.800	1.351	137.620	128.480	19.0	2.4	1.4	1.4	24.3
3793 4.0'	119,203.8	3,378.770	0.000	430.350	8.350	104.180	42.037	8.5	5.3	1.9	2.1	17.9



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## PCC Complex SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a  
VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3794 4.0'	102.2	0.628	1.089	2.258	0.539	0.268	1.647	0.0	0.5	0.9	0.0	1.4
3795 4.0'	1,599.8	620.276	0.000	0.190	0.088	0.059	0.023	1.3	0.4	1.2	0.9	3.8
3796 4.0'	121,723.8	3,572.371	0.000	2,242.300	1.479	196.100	250.650	76.5	18.7	5.5	2.4	103.1
3797 4.0'	216,111.0	5,169.020	0.000	68.513	15.815	28.349	7.220	10.4	4.6	0.1	0.0	15.1
3798 4.0'	7,560.4	52.333	1.016	6.970	0.935	0.872	4.210	0.0	42.2	13.0	31.6	86.8
3799 4.0'	1,612.2	415.971	0.000	0.828	0.081	0.147	0.053	0.0	0.2	0.5	0.5	1.2
3800 4.0'	30,262.2	8,075.860	60.453	580.920	0.000	57.553	91.568	228.5	187.2	0.9	1.6	418.2
3801 4.0'	42,850.9	19,550.400	41.601	786.070	26.192	62.130	117.820	147.2	130.0	7.6	0.0	284.9
3802 4.0'	324.0	8.225	0.000	2.010	0.029	0.151	0.604	2.1	1.2	1.1	0.0	4.4
3803 4.0'	14,121.7	3.797	0.805	1.472	1.013	0.381	0.544	0.0	0.0	1.4	0.0	1.4
3804 4.0'	466,458.3	18,885.500	167.670	3,737.000	3.589	710.430	175.320	46.9	97.6	0.0	56.6	201.1
3805 4.0'	246,143.4	8,782.530	60.145	3,636.200	0.000	471.280	549.460	116.1	17.6	0.0	0.0	133.7
3806 4.0'	74,319.4	211.210	0.000	116.760	0.111	67.218	10.679	12.0	8.3	4.8	0.0	25.1
3807 4.0'	6,563.5	96.030	9.671	12.537	9.408	1.019	2.688	0.0	0.0	1.1	0.0	1.1
3808 4.0'	9,383.8	19.855	1.214	0.875	1.465	0.110	0.398	0.0	0.0	0.3	0.0	0.3
3809 4.0'	220,898.3	16,456.700	201.750	3,818.100	2.439	471.470	808.690	80.7	6.8	0.0	0.0	87.5
3810 4.0'	109,093.9	6,949.890	0.000	927.520	0.000	276.600	19.636	15.9	3.1	2.2	0.0	21.2
3811 4.0'	93,527.8	1,936.300	2.392	225.440	2.289	53.525	4.972	0.0	0.3	0.0	0.0	0.3
3812 4.0'	16.3	0.267	0.116	0.128	0.098	0.034	0.059	0.0	0.0	0.3	0.0	0.3
3813 4.0'	375,615.9	7,243.800	0.000	694.960	1.648	82.413	61.881	33.4	21.0	0.0	0.0	54.4
3814 4.0'	156,298.2	7,650.460	37.721	2,450.300	0.000	301.030	423.680	130.0	40.1	7.0	1.0	178.0
3815 4.0'	276,890.7	9,378.802	0.000	477.024	0.000	298.335	4.651	31.0	0.0	0.0	0.0	31.0
3816 4.0'	4,064.8	64.121	0.880	6.105	0.986	0.690	0.719	0.0	0.0	0.2	0.0	0.2
3817 4.0'	173,826.2	8,914.340	31.135	8.401	0.195	3.402	0.264	4.2	0.0	0.0	0.0	4.2
3818 4.0'	93,104.0	241.530	0.000	0.296	0.230	0.081	0.163	6.9	1.6	0.0	0.5	9.0
3819 4.0'	500,173.7	13,240.900	0.000	578.650	3.310	39.777	12.721	10.9	7.5	0.0	5.3	23.7
3820 4.0'	35,862.6	1,132.470	34.595	27.311	1.656	0.542	0.352	0.5	0.0	0.1	0.4	0.9
3821 4.0'	400,431.2	20.574	0.000	16.480	3.781	1.499	6.458	0.3	0.0	7.4	0.0	7.6
3822 4.0'	52.6	1.776	1.766	0.830	1.235	0.092	0.362	0.0	3.9	0.8	6.2	10.8
3823 4.0'	1,011.5	24.809	0.000	1.539	0.104	0.137	0.826	0.0	76.9	11.9	96.2	185.0
3824 4.0'	209.9	2.544	0.266	1.672	0.227	0.207	1.076	0.0	13.2	1.3	20.3	34.8



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## PCC Complex

### SOIL VAPOR ANALYSES - (4 FOOT)

TABLE 1a

#### VOLATILE ORGANIC C1-C4, & C5+ (ppmv) HYDROCARBONS

SAMPLE NO.	METHANE	ETHANE	ETHYLENE	PROPANE	PROPYLENE	I-BUTANE	N-BUTANE	C5-BZ	BZ-TL	TL-XYL	XYL+	C5+
3825 4.0'	5.6	0.340	0.355	8.353	0.261	1.750	9.853	0.0	160.1	31.7	25.1	216.9
3831 4.0'	452.1	4.450	2.170	1.756	1.339	0.266	0.629	0.0	0.0	0.0	0.0	0.0
3834 4.0'	42.3	0.376	0.082	0.626	0.074	0.168	0.133	0.0	0.1	0.5	0.0	0.6
3838 4.0'	422.3	33.743	2.321	16.437	2.316	3.786	4.761	1.2	1.1	0.6	0.0	2.9
3839 4.0'	388.1	4.767	1.532	1.811	1.165	0.356	0.635	0.8	2.4	1.1	0.0	4.4