DRAFT Table 1 : Summary of Laboratory Analyses of Soil Samples
ODOT - Creek County Bridge
Bristow, Oklahoma

Sample ID:	S2 (0-0.5)	S6 (0-0.5)	DUP 012616 S6 (0-0.5)	S6 (0.5-1.0)	S6 (1.0-1.5)	S9 (0-0.5)	S9 (0.5-1.0)	S10 (0-0.5)	N10 (0-0.5)	N10 (0.5-1.0)	EQ BL 012516	EQ BL 012616	Trip Blank	Trip Blank
Date:	1/26/16	1/26/16	1/26/16	1/26/16	1/26/16	1/25/16	1/25/16	1/26/16	1/25/16	1/25/16	1/25/16	1/26/16	1/25/16	1/26/16
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	µg/L	µg/L
Parameter														
Volatile Organic Compounds (VOCs)														
Benzene	0.000625 J	<0.000617	0.000778 J	0.000724 J	<0.000510	<0.000542	<0.000566	0.00194 J	<0.000678	<0.000494	<0.200	<0.200	<0.200	<0.200
Carbon disulfide	<0.00333	<0.00331	<0.00311	<0.00312	<0.00274	<0.00291	<0.00304	<0.00492	<0.00364	<0.00265	<0.220	<0.220	<0.220	<0.220
Chlorobenzene	<0.000620	<0.000617	<0.000579	<0.000581	<0.000510	<0.000542	<0.000566	<0.000915	<0.000678	<0.000494	<0.180	<0.180	<0.180	<0.180
Chloroform	<0.000620	<0.000617	<0.000579	<0.000581	<0.000510	<0.000542	<0.000566	<0.000915	<0.000678	<0.000494	2.70	4.11	<0.230	<0.230
1,2-Dichloroethane	<0.000620	<0.000617	<0.000579	<0.000581	<0.000510	<0.000542	<0.000566	<0.000915	<0.000678	<0.000494	<0.200	<0.200	<0.200	<0.200
1,1-Dichloroethane	<0.000620	<0.000617	<0.000579	<0.000581	<0.000510	<0.000542	<0.000566	<0.000915	<0.000678	<0.000494	<0.240	<0.240	<0.240	<0.240
1,4-Dioxane	<0.0703	<0.0699	<0.0657	<0.0660	<0.0579	<0.0614	<0.0642	<0.104	<0.0769	<0.0560	<72.0 *	<72.0 *	<72.0 *	<72.0 *
Ethylbenzene	<0.000620	<0.000617	<0.000579	<0.000581	<0.000510	<0.000542	<0.000566	<0.000915	<0.000678	<0.000494	<0.190	<0.190	<0.190	<0.190
Ethylene dibromide (EDB or 1,2-dibromoethane)	<0.000925	<0.000920	<0.000864	<0.000868	<0.000761	<0.000808	<0.000844	<0.00137	<0.00101	<0.000737	<0.210	<0.210	<0.210	<0.210
Methyl ethyl ketone (MEK)	0.00858 J	<0.00469	0.00842 J	<0.00443	<0.00388	<0.00412	<0.00431	0.0129 J	0.0113 J	<0.00376	<2.64	<2.64	<2.64	<2.64
Methyl tertiary-butyl ether (MTBE)	<0.000888	<0.000883	<0.000829	<0.000833	<0.000731	<0.000776	<0.000811	<0.00131	<0.000971	<0.000707	<0.170	<0.170	<0.170	<0.170
Styrene	<0.00102	<0.00101	<0.000950	<0.000955	<0.000837	<0.000889	<0.000929	<0.00150	<0.00111	<0.000810	<0.280	<0.280	<0.280	<0.280
Toluene	0.000784 J	<0.000681	0.00141 J	<0.000642	<0.000563	<0.000598	<0.000625	0.00282	0.00530	0.000642 J	<0.170	<0.170	<0.170	<0.170
1,1,1-Trichloroethane	<0.000851	<0.000847	<0.000795	<0.000798	<0.000700	<0.000744	<0.000777	<0.00126	<0.000931	<0.000678	<0.190	<0.190	<0.190	<0.190
Trichloroethene	<0.000888	<0.000883	<0.000829	<0.000833	<0.000731	<0.000776	<0.000811	<0.00131	<0.000971	<0.000707	<0.200	<0.200	<0.200	<0.200
Tetrachloroethylene	<0.000675	<0.000672	<0.000631	<0.000634	<0.000556	<0.000590	<0.000616	<0.000997	<0.000738	<0.000538	<0.140	<0.140	<0.140	<0.140
Xylenes (total)	<0.00114	<0.00113	<0.00106	<0.00107	<0.000936	<0.000994	<0.00104	0.00185 J	<0.00124	<0.000906	<0.580	<0.580	<0.580	<0.580
Semivolatile Organic Compounds (SVOCs)														
Acenaphthene	<0.0538	<0.0228	<0.00998	<0.0220	<0.0567	<0.0114	0.0191 J	<0.00986	<0.0561	<0.0108	<0.355	<0.362	---	---
Anthracene	0.0660 J	<0.0205	0.0336 J	<0.0198	<0.0511	<0.0103	0.0383 J	<0.00888	<0.0505	<0.00975	<0.857	<0.874	---	---
bis(2-Ethylhexyl) phthalate	<0.0700	<0.0296	0.0520 J	<0.0286	<0.0738	<0.0148	0.0523 J	<0.0128 F1,F2	<0.0730	<0.0141	<2.00	<2.04	---	---
o-Cresol	<0.501	<0.212	<0.0928	<0.204	<0.528	<0.106	<0.104	<0.0917	<0.522	<0.101	<3.23	<3.30	---	---
m & p-Cresol	<0.108	<0.0455	<0.0200	<0.0439	<0.113	<0.0228	<0.0224	<0.0197	<0.112	<0.0217	<3.23	<3.30	---	---
Di-n-butyl phthalate	<0.0700	<0.0296	0.0396 J	<0.0286	<0.0738	<0.0148	<0.0146	<0.0128	<0.0730	<0.0141	<1.46	<1.49	---	---
1,2-Dichlorobenzene*	<0.0538	<0.0228	<0.00998	<0.0220	<0.0567	<0.0114	<0.0112	<0.00986	<0.0561	<0.0108	<1.36	<1.39	---	---
1,3-Dichlorobenzene*	<0.0754	<0.0319	<0.0140	<0.0308	<0.0794	<0.0159	<0.0157	<0.0138	<0.0786	<0.0152	<1.03	<1.05	---	---
1,4-Dichlorobenzene*	<0.0377	<0.0159	<0.00699	<0.0154	<0.0397	<0.00797	<0.00785	<0.00690	<0.0393	<0.00758	<1.34	<1.37	---	---
Diethyl phthalate	<0.0754	<0.0319	<0.0140	<0.0308	<0.0794	<0.0159	<0.0157	<0.0138	<0.0786	<0.0152	5.20 J	17.0	---	---
2,4-Dimethylphenol	<1.03	<0.437	<0.192	<0.422	<1.09	<0.219	<0.215	<0.189	<1.08	<0.208	<0.967	<0.986	---	---
Dimethyl phthalate	<0.0431	<0.0182	<0.00799	<0.0176	<0.0454	<0.00911	<0.00898	<0.00789	<0.0449	<0.00867	<1.76	<1.79	---	---
2,4-Dinitrophenol	<0.592	<0.250	<0.110	<0.242	<0.624	<0.125	<0.123	<0.108 F1	<0.618	<0.119	<2.39	<2.44	---	---
Fluoranthene	0.466	<0.0205	0.0445 J	<0.0198	0.288 J	<0.0103	0.466	<0.00888	<0.0505	<0.00975	<0.337	<0.344	---	---
Fluorene	<0.0646	<0.0273	<0.0120	<0.0264	<0.0681	<0.0137	<0.0135	<0.0118	<0.0674	<0.0130	<0.307	<0.313	---	---
Naphthalene	<0.0485	<0.0205	<0.00899	<0.0198	<0.0511	<0.0103	<0.0101	<0.00888	<0.0505	<0.00975	<0.386	<0.394	---	---
4-Nitrophenol	<0.0808	<0.0342	<0.0150 *	<0.0330	<0.0851	<0.0171	<0.0168	<0.0148	<0.0842	<0.0162	<3.23	<3.30	---	---
Phenanthrene	0.292 J	<0.0205	0.0387 J	<0.0198	0.286 J	<0.0103	0.192	<0.00888	<0.0505	<0.00975	<0.333	<0.340	---	---
Phenol	<0.0754	<0.0319	<0.0140	<0.0308	<0.0794	<0.0159	<0.0157	<0.0138	<0.0786	<0.0152	<3.35	<3.42	---	---
Pyrene	0.470	<0.0273	0.0588 J	<0.0264	0.337 J	<0.0137	0.346	0.0445 J	<0.0674	<0.0130	<0.321	<0.328	---	---
Pyridine	<0.0754	<0.0319	<0.0140	<0.0308	<0.0794	<0.0159	<0.0157	<0.0138	<0.0786	<0.0152	<2.18	<2.23	---	---
Quinoline	<0.0185	<0.0187	<0.0190	<0.0186	<0.0185	<0.0187	<0.0189	<0.0187	<0.0187	<0.0187	<2.75	<2.80	---	---

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Sample ID:	S2 (0-0.5)	S6 (0-0.5)	DUP 012616 S6 (0-0.5)	S6 (0.5-1.0)	S6 (1.0-1.5)	S9 (0-0.5)	S9 (0.5-1.0)	S10 (0-0.5)	N10 (0-0.5)	N10 (0.5-1.0)	EQ BL 012516	EQ BL 012616	Trip Blank	Trip Blank
Date:	1/26/16	1/26/16	1/26/16	1/26/16	1/26/16	1/25/16	1/25/16	1/26/16	1/25/16	1/25/16	1/25/16	1/26/16	1/25/16	1/26/16
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	µg/L	µg/L
Parameter														
Polycyclic Aromatic Hydrocarbons (PAHs)														
Benzo(a)anthracene	0.0377	0.0197 J	0.0159 J	0.498	0.0471	0.00312 J	0.00951	0.00355 J	<0.0134	0.00413 J	<0.0189	<0.0188	---	---
Benzo(a)pyrene	0.0413	0.0268 J	0.0215	0.354	0.0471	0.00273 J	0.00949	0.00552 J	<0.0202	0.00563 J	<0.0189	<0.0188	---	---
Benzo(b)fluroranthene	0.0570	0.0385	0.0323	0.607	0.0669	0.00259 J	0.0138	0.00666 J	0.0172 J	0.00652 J	<0.0189	<0.0188	---	---
Benzo(k)fluoranthene	0.0210 J	0.0149 J	0.0108 J	0.204	0.0186 J	0.00455	0.00569 J	0.00233 J	<0.0112	<0.00217	<0.0189	<0.0188	---	---
Chrysene	0.0477	0.0275 J	0.0260	0.627	0.0838	0.00464	0.0147	0.00908	<0.0202	0.00950	<0.0189	<0.0188	---	---
Dibenz(a,h)anthracene	<0.0208	<0.0211	<0.0108	0.0304	<0.0110	<0.00215	<0.00434	<0.00429	<0.0213	<0.00413	<0.0189	<0.0188	---	---
Indeno(1,2,3-cd)pyrene	0.0272 J	0.0347 J	0.0197	0.209	0.0276	0.00204 J	0.00608 J	<0.00406	<0.0202	<0.00391	<0.0189	<0.0188	---	---
Inorganics														
Antimony	<1.10	1.74 J	<1.08	<1.13	1.37 J	1.33 J	1.81 J	<1.13	1.90 J	1.89 J	<0.00500	<0.00500	---	---
Arsenic	1.05	3.76	3.54	3.67	4.15	2.30	3.08	3.49	2.96	4.46	<0.000500	<0.000500	---	---
Barium	28.5	86.4	76.7	86.8	68.0	61.1	103	106	137	93.5	<0.00500	<0.00500	---	---
Beryllium	<0.220	0.648 J	0.390 J	0.450 J	0.443 J	0.451 J	0.664 J	0.679 J	0.693 J	0.638 J	<0.00200	<0.00200	---	---
Cadmium	0.264 J	0.246 J	0.173 J	0.180 J	0.233 J	0.158 J	0.298 J	<0.113	0.157 J	0.110 J	<0.000500	<0.000500	---	---
Chromium	4.53	21.1	7.52	17.1	17.1	13.3	22.0	21.0	21.4	18.4	<0.00300	<0.00300	---	---
Cobalt	1.96 J	5.54	4.61	3.74	3.80	3.11	4.69	5.70	5.37	5.08	<0.00500	<0.00500	---	---
Cyanide	<1.10 H	1.32 J H	<1.14 H	<1.13 H	<1.16 H	<1.15 H	<1.14 H	<1.13 H	<1.14 H	<1.10 H	<0.00700	<0.00700 F1	---	---
Lead	28.9	18.2	18.7	25.8	29.6	12.4	28.6	14.8	17.6	13.6	<0.00200	<0.00200	---	---
Mercury	0.0391 J	<0.0345	<0.0327	<0.0341	<0.0345	<0.0342	<0.0345	<0.0335	<0.0336	<0.0331	<0.000100	<0.000100	---	---
Nickel	4.36	11.2	7.86	9.12	9.64	8.24	11.5	12.4	13.0	11.7	<0.00300	<0.00300	---	---
Selenium	<1.21	<1.23	<1.19	<1.24	<1.28	<1.24	<1.26	<1.24	<1.23	<1.21	<0.00500	<0.00500	---	---
Silver	<0.440	<0.447	<0.433	<0.450	<0.466	<0.451	<0.458	<0.453	<0.447	<0.440	<0.00300	<0.00300	---	---
Vanadium	2.88 J	29.0	7.78 J	21.2	19.9	16.7	27.9	28.6	27.2	25.2	<0.0100	<0.0100	---	---
Zinc	83.5	27.8	31.6	43.6	41.7	25.8	38.6	31.2	33.0	27.4	<0.0250	<0.0250	---	---

Notes:

1. µg/kg : micrograms per kilogram
2. mg/kg : milligrams per kilogram
3. --- : No analysis performed.
4. < : Denotes a sample value of less than the laboratory Method Detection Limit (MDL).
5. J : Denotes a sample value of less than the laboratory Reporting Limit (RL) but above the laboratory MDL.
6. * : Laboratory Control Sample (LCS) or Laboratory Control Sample Duplicate (LCSD) is outside acceptance limits.
7. F1 : Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
8. F2 : Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) Relative Percent Difference (RPD) is outside acceptance limits.
9. H : Sample was prepped or analyzed beyond the specified holding time.