ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
FORMER WILLIAMS AFB
MESA, ARIZONA

Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)	Petroleum Hydrocarbons by EPA Method SW8015				Volatile Organics by EPA Method SW8260B																	
							TPH(DRO) mg/L		TPH(GRO) mg/L		1,2,4-Trimethylbenzene ug/l		1,2-Dichloroethane ug/l		1,3,5-Trimethylbenzene ug/l		4-Isopropyltoluene ug/l		Benzene ug/l		Carbon disulfide ug/l		Chloroform ug/l		cis-1,2-Dichloroethene ug/l		Cyclohexane ug/l		Ethylbenzene ug/l	
ST012-CZ02	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	DB	150	NA		NA		48		< 4.0	U	41		8.7		330		< 8.0	U	< 4.0	U	< 4.0	U	810		110	
ST012-CZ06	Sample	4/16/2018	2801086011	ST012-EBR Baseline-2018	DB	150	3.7		0.63		27		< 1.0	U	11		4.3		26		0.55	F	< 1.0	U	< 1.0	U	28		55	
ST012-CZ07	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	150	14		NA		370		< 4.0	U	110		31		230		< 8.0	U	< 4.0	U	< 4.0	U	180		330	
ST012-CZ08	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	NA		NA		210		< 4.0	UJ	89	J	16	J	130	J	< 8.0	UJ	< 4.0	UJ	< 4.0	UJ	570	J	260	J
ST012-CZ09	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	NA		NA		780	J	< 5.0	UJ	200	J	39	J	210	J	2.4	F	< 5.0	UJ	< 5.0	UJ	280	J	660	J
ST012-CZ11	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150	47		20		1200		< 20	U	360		36		220		< 40	U	< 20	U	< 20	U	39	F	2300	
ST012-CZ12	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	NA		NA		960		< 20	U	320		38		590		< 40	U	< 20	U	< 20	U	120		2300	
ST012-CZ14	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	NA		NA		540	J	< 10	UJ	220	J	41	J	560	J	< 20	UJ	< 10	UJ	< 10	UJ	81	J	830	J
ST012-CZ15	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150	6.6		17		160		< 20	U	100		15	F	1200		< 40	U	< 20	U	< 20	U	460		1100	
ST012-CZ16	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	150	NA		NA		850		< 4.0	U	240		34		190		< 8.0	U	< 4.0	U	< 4.0	U	120		1400	
ST012-CZ18	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	155	NA		NA		600		< 5.0	U	190		29		1200		< 10	U	< 5.0	U	< 5.0	U	450		1200	
ST012-CZ19	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	155	NA		NA		340		< 1.0	U	40		16		3.1		< 2.0	U	< 1.0	U	< 1.0	U	150		150	
ST012-CZ20	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150	1.6		0.47	J	4.1		< 1.0	U	0.33	F	1.2		0.2	F	< 2.0	U	< 1.0	U	< 1.0	U	49		7.2	
ST012-CZ21	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	155	NA		NA		590		< 10	U	210		40		680		< 20	U	< 10	U	< 10	U	540		690	
ST012-CZ23	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	150	NA		NA		38		< 1.0	U	< 1.0	U	1.7		97		< 2.0	U	< 1.0	U	< 1.0	U	37		77	
ST012-CZ24	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	0.36	F	< 1.0	U	< 2.0	U	< 1.0	U
ST012-CZ24	Duplicate	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	0.4	F	< 1.0	U	< 2.0	U	< 1.0	U
ST012-CZ25	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	LF	145	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	0.96	F	< 1.0	U	< 2.0	U	< 1.0	U
ST012-LSZ02	Sample	5/4/2018	2801094211	ST012-EBR Baseline-2018	DB	225	25		2.4		56		4.3	F	16		3.2	F	92		< 20	U	< 10	U	< 10	U	31		78	
ST012-LSZ03	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	200	5.2		1.4		20		< 2.0	U	5.6		0.96	F	94		1.5	F	< 2.0	U	< 2.0	U	11		51	
ST012-LSZ06	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	225	5.5		5.8		300		< 4.0	U	86		14		450		< 8.0	U	< 4.0	U	< 4.0	U	4.8	F	540	
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225	3.1		11		< 20	U	< 20	U	< 20	U	< 20	U	2900		< 40	U	< 20	U	< 20	U	180		280	
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225	3.3		13		33		< 20	U	< 20	U	< 20	U	2500		< 40	U	< 20	U	< 20	U	190		400	
ST012-LSZ09	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	215	NA		NA		250		< 10	U	60		6.6	F	2100		< 20	U	< 10	U	< 10	U	300		600	
ST012-LSZ10	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205	0.59		2.0		35		< 2.0	U	9.9		1.4	F	290		< 4.0	U	< 2.0	U	< 2.0	U	78		71	
ST012-LSZ10	Duplicate	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205	0.56		2.7		39		< 2.0	U	11		1.4	F	280		< 4.0	U	< 2.0	U	< 2.0	U	79		72	
ST012-LSZ11	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	235	NA		NA		560		98		190		27		2100		< 20	U	< 10	U	< 10	U	260		620	
ST012-LSZ12	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	225	NA		NA		260		< 10	U	100		19		1400		< 20	U	< 10	U	< 10	U	220		460	
ST012-LSZ15	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225	2.3		9.0		5.1		< 1.0	U	2.7		0.91	F	2.8		< 2.0	U	< 1.0	U	< 1.0	U	2.7		13	
ST012-LSZ17	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225	NA		NA		220		< 10	U	51		7.1	F	1800		< 20	U	< 10	U	< 10	U	91		460	
ST012-LSZ19	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225	4.0		3.9		70		13		22		7.8		450		0.98	F	< 2.0	U	< 2.0	U	76		140	
ST012-LSZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	B	225	0.54		0.82		28		< 1.0	U	13		2.4		94		1.2	F	< 1.0	U	< 1.0	U	11		42	
ST012-LSZ23	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	213	1.6		0.67	J	130		< 5.0	U	34		7.1		1600		< 10	U	< 5.0	U	< 5.0	U	220		150	
ST012-LSZ25	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225	2.3		3.9		82		< 2.0	U	21		3.6		620		< 4.0	U	< 2.0	U	< 2.0	U	12		150	
ST012-LSZ29	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	225	NA		NA		2.2		< 1.0	U	0.69	F	< 1.0	U	2.1		< 2.0	U	< 1.0	U	< 1.0	U	5.1		0.43	F
ST012-LSZ37	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	NA		NA		400		< 10	U	120		16		2700		< 20	U	< 10	U	< 10	U	400		1100	
ST012-LSZ38	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	235	NA		NA		210		< 10	U	60		8.0	F	3000		< 20	U	< 10	U	< 10	U	220		380	
ST012-LSZ39	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	8.9		14		230		< 10	U	79		12		3100		< 20	U	< 10	U	< 10	U	280		410	
ST012-LSZ39	Duplicate	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	5.8		18		320		< 20	U	110		16	F	5500		< 40	U	< 20	U	< 20	U	460		600	
ST012-LSZ42	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	225	NA		NA		390		< 10	U	100		20		1900		< 20	U	< 10	U	< 10	U	150		600	
ST012-LSZ43	Sample	4/26/2018	2801090541	ST012-EBR Baseline-2018	DB	215	NA		NA		480		< 10	U	140		61		3100		< 20	U	< 10	U	< 10	U	870		1300	
ST012-LSZ45	Sample	5/2/2018	2801092761	ST012-EBR Baseline-2018	DB	215	NA		NA		110		< 10	U	< 10	U	2.4	F	1800		< 20	U	< 10	U	< 10	U	370		790	
ST012-LSZ46	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215	NA		NA		150		< 40	U	47		< 40	U	3000		< 80	U	< 40	U	< 40	U	290		600	
ST012-LSZ49	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	220	1.5		24		140		< 20	U	41		< 20	U	5800		< 40	U	< 20	U	< 20	U	320		530	
ST012-LSZ52	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	220	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	0.17	F	< 2.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U
ST012-LSZ53	Sample	5/11/2018	2801097091	ST012-EBR Baseline-2018	LF	215	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U
ST012-LSZ54	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U
ST012-LSZ55	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	215	NA		NA		< 1.0	U	0.18	F	< 1.0	U	< 1.0	U	0.25	F	< 2.0	U	< 1.0	U	< 1.0	U	0.73	F	< 1.0	U
ST012-LSZ56	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	0.22	F	< 2.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U
ST012-LSZ57	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	0.26	F	< 1.0	U	0.77	F	< 1.0	U
ST012-LSZ59	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U
ST012-SVE04D	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	150	170		4.6		15	F	< 40	U	23	F	< 40	U	650		< 80	U	< 40	U	< 40	U	93		260	
ST012-UWBZ05	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	182	22		21		600		< 20	U	220		28		1400		< 40	U	< 20	U	< 20	U	130		2300	
ST012-UWBZ09	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	185	NA		NA		410		< 10	U	130		20		810		< 20	U	< 10	U	< 10	U	650		580	
ST012-UWBZ10	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182	NA		NA		480		< 20	U	150		19	F	1100		< 40	U	< 20	U	< 20	U	510		1200	
ST012-UWBZ11	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	180	110		30		370		< 20	U	90		8.3	F	5200		< 40	U	< 20	U	< 20	U	180		870	
ST012-UWBZ14	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182	59		0.56		170		< 10	U	45		7.0	F	430		< 20	U	< 10	U	< 10	U	130		350	
ST012-UWBZ16	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182	4.7		2.9		12		< 4.0	U	< 4.0	U	< 4.0	U	310		3.6	F	< 4.0	U	< 4.0	U	150		180	
ST012-UWBZ18	Sample	4/23/2018	2801088721	ST012-EBR Baseline-2018	DB	182	47		0.33		510		< 20	U	130		14	F	5000		14	F	< 20	U	< 20	U	260		1400	
ST012-UWBZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185	NA		NA		530		99		180		24		1900		< 20	U	2.6	F	< 10	U	1200		1100	
ST012-UWBZ23	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182	NA		NA		100		< 10	U	55		28		730		< 20	U	< 10	U	< 10	U	260		550	
ST012-UWBZ24	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	182	8.1		0.51	J	910		< 20	U	330		29		1900		< 40	U	< 20	U	< 20	U	580		1100	
ST012-UWBZ26	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	NA		NA		330		< 20	U	110		13	F	3500		< 40	U	< 20	U	< 20	U	1000		710	
ST012-UWBZ26	Duplicate	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	NA		NA		360		< 20	U	100		11	F	3700		< 40	U	< 20	U	< 20	U	1100		860	

ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
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Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)	Petroleum Hydrocarbons by EPA Method SW8015				Volatile Organics by EPA Method SW8260B																	
							TPH(DRO) mg/L		TPH(GRO) mg/L		1,2,4-Trimethylbenzene ug/l		1,2-Dichloroethane ug/l		1,3,5-Trimethylbenzene ug/l		4-Isopropyltoluene ug/l		Benzene ug/l		Carbon disulfide ug/l		Chloroform ug/l		cis-1,2-Dichloroethene ug/l		Cyclohexane ug/l		Ethylbenzene ug/l	
ST012-UWBZ27	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	NA		NA		140		< 5.0	U	32		8.5		1500		< 10	U	< 5.0	U	< 5.0	U	280		190	
ST012-UWBZ28/LSZ51	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	0	4.3		9.1		290		< 10	U	110		21		1700		< 20	U	< 10	U	< 10	U	1300		330	
ST012-UWBZ30	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185	NA		NA		340		< 20	U	150		22		6000		< 40	U	< 20	U	< 20	U	890		930	
ST012-UWBZ31	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	180	NA		NA		330		< 4.0	U	130		30		450		< 8.0	U	< 4.0	U	< 4.0	U	380		520	
ST012-UWBZ34	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	175	NA		NA		230		< 10	U	67		6.0	F	1600		< 20	U	< 10	U	< 10	U	380		280	
ST012-UWBZ36	Sample	4/25/2018	2801089801	ST012-EBR Baseline-2018	DB	180	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	1.5	F	< 1.0	U
ST012-UWBZ38	Sample	4/11/2018	2801084031	ST012-EBR Baseline-2018	LF	185	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U
ST012-UWBZ39	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	185	NA		NA		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	0.45	F	< 1.0	U	< 2.0	U	< 1.0	U

Notes:
DB -
DRO - Diesel Range Organics
G - Grab
GRO - Gasoline Range Organics
LF - Low Flow
mg/L - milligrams per liter
TPH - Total Petroleum Hydrocarbons
ug/L - micrograms per liter

Data Qualifier Definitions:
B - The analyte was detected, estimated due to blank contamination
F - The analyte was detected, estimated above the Method Detection Limit (MDL) and below the Reporting Limit (RL).
J - The analyte was detected, estimated due to QC criteria
NA - Not Analyzed
U - The analyte was not detected above the RL.
UJ - The analyte was not detected, estimated due to QC criteria
< - Not detected at or above the RL.

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							Volatile Organics by EPA Method SW8260B																Vc							
Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)	Isopropylbenzene ug/l		m+p-Xylenes ug/l		MTBE ug/l		Methylcyclohexane ug/l		Methylene chloride ug/l		Naphthalene ug/l		n-Butylbenzene ug/l		n-Hexane ug/l		n-Propylbenzene ug/l		o-Xylene ug/l		sec-Butylbenzene ug/l		tert-Butylbenzene ug/l	
ST012-CZ02	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	DB	150	34		460		< 20	U	560		2.3	F	59		12		14		37		230		16		< 4.0	U
ST012-CZ06	Sample	4/16/2018	2801086011	ST012-EBR Baseline-2018	DB	150	13		170		< 5.0	U	26		< 5.0	U	15		6.6		3.2		19		46		7.9		< 1.0	U
ST012-CZ07	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	150	56		980		< 20	U	230		1.5	F	160		13		11		78		460		22		< 4.0	U
ST012-CZ08	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	69	J	680	J	< 20	UJ	520	J	4.0	B	76	J	20	J	100	J	83	J	280	J	26	J	1.6	F
ST012-CZ09	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	130	J	1500	J	< 25	UJ	190	J	5.2	B	250	J	48	J	3.2	F	190	J	770	J	61	J	3.2	F
ST012-CZ11	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150	240		5200		< 100	U	220		< 100	U	280		48		< 40	U	250		2400		25		< 20	U
ST012-CZ12	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	280		4700		< 100	U	530		20	B	310		43		17	F	330		2600		64		4.5	F
ST012-CZ14	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	160	J	1700	J	< 50	UJ	98	J	10	B	320	J	52	J	5.1	F	220	J	970	J	60	J	4.8	F
ST012-CZ15	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150	140		1500		8.6	F	270		< 100	U	260		36		18	F	180		860		45		< 20	U
ST012-CZ16	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	150	180		2900		< 20	U	400		< 20	U	350		49		6.6	F	230		1200		63		< 4.0	U
ST012-CZ18	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	155	93		2300		< 25	U	390		< 25	U	54		20		41		93		1400		< 5.0	U	48	
ST012-CZ19	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	155	42		170		< 5.0	U	230		0.47	F	53		23		34		66		180		30		< 1.0	U
ST012-CZ20	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150	6.5		2.2		< 5.0	U	76		< 5.0	U	3.3		0.68	F	< 2.0	U	2.9		0.25	F	3.1		< 1.0	U
ST012-CZ21	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	155	140		1500		< 50	U	660		14	F	410		60		150		190		770		79		3.7	F
ST012-CZ23	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	150	13		20		< 5.0	U	6.1		< 5.0	U	7.0		1.9		< 2.0	U	12		6.1		3.2		0.22	F
ST012-CZ24	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-CZ24	Duplicate	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-CZ25	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	LF	145	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-LSZ02	Sample	5/4/2018	2801094211	ST012-EBR Baseline-2018	DB	225	10		170		< 50	U	55		< 50	U	27		6.3	F	5.4	F	12		73		5.4	F	< 10	U
ST012-LSZ03	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	200	4.8		100		< 10	U	13		< 10	U	26		1.8	F	< 4.0	U	6.0		55		1.9	F	< 2.0	U
ST012-LSZ06	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	225	74		930		< 20	U	23		< 20	U	140		27		< 8.0	U	99		500		29		1.2	F
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225	26		160		11	F	120		< 100	U	140		< 20	U	11	F	32		160		< 20	U	< 20	U
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225	39		400		< 100	U	140		< 100	U	150		8.2	F	14	F	47		310		< 20	U	< 20	U
ST012-LSZ09	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	215	51		1300		< 50	U	170		< 50	U	36		9.9	F	12	F	54		550		8.8	F	< 10	U
ST012-LSZ10	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205	8.2		190		< 10	U	63		1.8	F	41		< 2.0	U	25		8.5		120		2.0		< 2.0	U
ST012-LSZ10	Duplicate	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205	8.7		190		< 10	U	62		1.5	F	43		1.9	F	26		9.2		110		1.6	F	< 2.0	U
ST012-LSZ11	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	235	90		2000		< 50	U	270		< 50	U	310		27		26		78		1200		40		79	
ST012-LSZ12	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	225	48		930		< 50	U	240		8.5	F	300		13		27		48		570		12		< 10	U
ST012-LSZ15	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225	1.4		31		< 5.0	U	4.1		< 5.0	U	4.5		0.44	F	0.56	F	1.8		16		0.58	F	< 1.0	U
ST012-LSZ17	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225	38		980		< 50	U	64		< 50	U	250		12		< 20	U	43		590		11		< 10	U
ST012-LSZ19	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225	14		270		< 10	U	54		< 10	U	61		3.5		6.3		16		130		4.5		< 2.0	U
ST012-LSZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	B	225	5.1		98		< 5.0	U	8.4		0.39	F	21		1.7		0.92	F	6.0		51		1.7		< 1.0	U
ST012-LSZ23	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	213	17		570		< 25	U	180		1.7	F	52		4.8	F	24		15		200		6.7		< 5.0	U
ST012-LSZ25	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225	20		310		< 10	U	19		< 10	U	250		6.2		2.0	F	24		210		7.3		< 2.0	U
ST012-LSZ29	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	225	0.53	F	8.2		< 5.0	U	2.4		< 5.0	U	1.0		< 1.0	U	< 2.0	U	0.25	F	6.8		0.21	F	< 1.0	U
ST012-LSZ37	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	90		2100		< 50	U	290		11	F	120		22		77		100		630		22		< 10	U
ST012-LSZ38	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	235	38		820		< 50	U	200		< 50	U	92		10		15	F	35		520		11		< 10	U
ST012-LSZ39	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	43		780		< 50	U	320		17	F	89		10		80		44		380		13		< 10	U
ST012-LSZ39	Duplicate	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	61		1100		< 100	U	480		21	F	140		16	F	160		65		670		19	F	< 20	U
ST012-LSZ42	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	225	87		1400		< 50	U	180		9.4	F	160		29		24		100		800		34		< 10	U
ST012-LSZ43	Sample	4/26/2018	2801090541	ST012-EBR Baseline-2018	DB	215	68		2400		< 50	U	510		< 50	U	400		43		200		94		1200		31		< 10	U
ST012-LSZ45	Sample	5/2/2018	2801092761	ST012-EBR Baseline-2018	DB	215	43		970		< 50	U	150		< 50	U	47		4.1	F	29		33		500		5.0	F	< 10	U
ST012-LSZ46	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215	35	F	1000		< 200	U	120		< 200	U	29	F	< 40	U	17	F	26	F	590		< 40	U	< 40	U
ST012-LSZ49	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	220	31		1000		< 100	U	160		< 100	U	46		< 20	U	47		31		630		< 20	U	< 20	U
ST012-LSZ52	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	220	0.54	F	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	0.18	F	< 1.0	U
ST012-LSZ53	Sample	5/11/2018	2801097091	ST012-EBR Baseline-2018	LF	215	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-LSZ54	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-LSZ55	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	215	1.9		< 2.0	U	< 5.0	U	< 2.0	U	0.73	F	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	0.21	F	< 1.0	U
ST012-LSZ56	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-LSZ57	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-LSZ59	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
ST012-SVE04D	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	150	12	F	340		36	F	86		< 200	U	69		< 40	U	17	F	28	F	160		< 40	U	< 40	U
ST012-UWBZ05	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	182	240		3500		< 100	U	230		< 100	U	400		49		11	F	290		1800		59		< 20	U
ST012-UWBZ09	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	185	89		1200		< 50	U	350		< 50	U	170		26		55		110		610		36		< 10	U
ST012-UWBZ10	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182	160		2000		< 100	U	560		< 100	U	370		27		56		170		960		26		< 20	U
ST012-UWBZ11	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	180	72		2000		< 100	U	62		< 100	U	240		22		< 40	U	83		1100		8.4	F	< 20	U
ST012-UWBZ14	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182	38		630		< 50	U	120		< 50	U	270		9.8	F	16	F	47		290		5.5	F	< 10	U
ST012-UWBZ16	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182	30		190		< 20	U	140		< 20	U	83		4.9		12		35		130		9.3		< 4.0	U
ST012-UWBZ18	Sample	4/23/2018	2801088721	ST012-EBR Baseline-2018	DB	182	110		2600		< 100	U	190		< 100	U	460		22		22	F	130		1500		23		< 20	U
ST012-UWBZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185	120		2800		< 50	U	1100		< 50	U	190		27		210		150		1100		38		< 10	U
ST012-UWBZ23	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182	75		870		< 50	U	250		< 50	U	110		16		15	F	96		450		26		< 10	U
ST012-UWBZ24	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	182	120		3500		< 100	U	390		11	F	300		23		28	F	140		1500		32		< 20	U
ST012-UWBZ26	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	57		1600		< 100	U	710		9.1	F	140		9.3	F	240		64		760		13	F	< 20	U
ST012-UWBZ26	Duplicate	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	69		2000		< 100	U	720		< 100	U	130		14	F	220		75		860		12	F	< 20	U

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ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
FORMER WILLIAMS AFB
MESA, ARIZONA

Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)	Volatile Organics by EPA Method SW8260B																													Vo
							Isopropylbenzene ug/l		m+p-Xylenes ug/l		MTBE ug/l		Methylcyclohexane ug/l		Methylene chloride ug/l		Naphthalene ug/l		n-Butylbenzene ug/l		n-Hexane ug/l		n-Propylbenzene ug/l		o-Xylene ug/l		sec-Butylbenzene ug/l		tert-Butylbenzene ug/l		
ST012-UWBZ27	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	22		570		< 25	U	220		< 25	U	44		8.0		31		23		170		9.4		< 5.0	U		
ST012-UWBZ28/LSZ51	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	0	50		1200		< 50	U	770		9.2	F	130		13		77		47		500		13		< 10	U		
ST012-UWBZ30	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185	82		1800		< 100	U	570		11	F	67		16	F	87		79		740		20		< 20	U		
ST012-UWBZ31	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	180	70		1200		< 20	U	470		< 20	U	93		22		73		75		540		23		34			
ST012-UWBZ34	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	175	31		720		< 50	U	210		4.6	F	110		4.2	F	41		28		360		6.7	F	< 10	U		
ST012-UWBZ36	Sample	4/25/2018	2801089801	ST012-EBR Baseline-2018	DB	180	< 1.0	U	< 2.0	U	< 5.0	U	0.47	F	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U		
ST012-UWBZ38	Sample	4/11/2018	2801084031	ST012-EBR Baseline-2018	LF	185	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	0.32	F	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U		
ST012-UWBZ39	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	185	< 1.0	U	< 2.0	U	< 5.0	U	< 2.0	U	< 5.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U		

Notes:
DB -
DRO - Diesel Range Organics
G - Grab
GRO - Gasoline Range Organics
LF - Low Flow
mg/L - milligrams per liter
TPH - Total Petroleum Hydrocarbons
ug/L - micrograms per liter

Data Qualifier Definitions:
B - The analyte was detected, estimated due to blank contamination
F - The analyte was detected, estimated above the Method Detection Limit (MDL) and below the Reporting Limit (RL).
J - The analyte was detected, estimated due to QC criteria
NA - Not Analyzed
U - The analyte was not detected above the RL.
UJ - The analyte was not detected, estimated due to QC criteria
< - Not detected at or above the RL.

ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
FORMER WILLIAMS AFB
MESA, ARIZONA

							latile Organics by EPA Method SW8260B												Total Metals by EPA Method SW6010C											
Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)	Tetrachloroethene ug/l		Toluene ug/l		Trichloroethene ug/l		Trichlorofluoromethane ug/l		Vinyl chloride ug/l		Xylenes, Total ug/l		Arsenic mg/l		Calcium mg/l		Iron mg/l		Magnesium mg/l		Manganese mg/l		Potassium mg/l		Sodium mg/l
ST012-CZ02	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	DB	150	< 4.0	U	960		< 4.0	U	< 8.0	U	< 6.0	U	700		0.007	F	600		11		130		1.4		30		98
ST012-CZ06	Sample	4/16/2018	2801086011	ST012-EBR Baseline-2018	DB	150	< 1.0	U	95		0.21	F	< 2.0	U	< 1.5	U	220		0.0071	F	570		16		43		1.1		25		130
ST012-CZ07	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	150	< 4.0	U	1000		< 4.0	U	< 8.0	U	< 6.0	U	1400		0.0097	F	560		1.5		17		0.56		33		190
ST012-CZ08	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	< 4.0	UJ	540	J	< 4.0	UJ	< 8.0	UJ	< 6.0	UJ	960	J	< 0.025	U	670		14		58		2.3		44		180
ST012-CZ09	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	< 5.0	UJ	1200	J	< 5.0	UJ	< 10	UJ	< 7.5	UJ	2300	J	< 0.025	U	580		6.5		48		3.4		47		160
ST012-CZ11	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150	< 20	U	4100		< 20	U	< 40	U	< 30	U	7600		0.081		360		2.5		22		1.4		37		140
ST012-CZ12	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	< 20	U	3600		< 20	U	< 40	U	< 30	U	7300		0.014	F	590		110		40		3.6		47		240
ST012-CZ14	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150	< 10	UJ	2200	J	< 10	UJ	< 20	UJ	< 15	UJ	2700	J	0.02	F	720		37		22		2.2		45		220
ST012-CZ15	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150	< 20	U	2800		< 20	U	< 40	U	< 30	U	2400		0.015	F	790		47		85		3.1		32		140
ST012-CZ16	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	150	< 4.0	U	1300		< 4.0	U	< 8.0	U	< 6.0	U	4100		0.0078	F	480		25		27		1.6		41		180
ST012-CZ18	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	155	< 5.0	U	3300		< 5.0	U	< 10	U	< 7.5	U	3700		0.014	F	810		5.0		160		7.7		20		120
ST012-CZ19	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	155	< 1.0	U	44		< 1.0	U	< 2.0	U	< 1.5	U	350		< 0.025	U	500		6.0		86		2.4		18		100
ST012-CZ20	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	2.5		0.0094	F	530		8.9		130		2.7		12		110
ST012-CZ21	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	155	< 10	U	< 10	U	< 10	U	< 20	U	< 15	U	2300		0.0061	F	470		6.7		62		4.8		38		180
ST012-CZ23	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	150	< 1.0	U	19		< 1.0	U	< 2.0	U	< 1.5	U	26		< 0.025	U	460		1.0		81		6.7		13		170
ST012-CZ24	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14	< 1.0	U	< 1.0	U	0.5	F	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	520		1.4		96		0.11		8.1		85
ST012-CZ24	Duplicate	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14	< 1.0	U	< 1.0	U	0.52	F	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	560		1.3		100		0.094		8.4		90
ST012-CZ25	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	LF	145	< 1.0	U	< 1.0	U	0.4	F	< 2.0	U	< 1.5	U	< 2.0	U	0.0074	F	400		2.0		77		0.095		8.3		82
ST012-LSZ02	Sample	5/4/2018	2801094211	ST012-EBR Baseline-2018	DB	225	< 10	U	250		< 10	U	< 20	U	< 15	U	240		0.019	F	790		68		120		7.0		54		160
ST012-LSZ03	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	200	< 2.0	U	190		< 2.0	U	< 4.0	U	< 3.0	U	160		0.017	F	640		4.7		94		3.0		38		140
ST012-LSZ06	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	225	< 4.0	U	760		< 4.0	U	< 8.0	U	< 6.0	U	1400		0.054		46		1.8		0.22	F	0.051		16		320
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225	< 20	U	2000		< 20	U	< 40	U	< 30	U	320		0.0097	F	320		52		79		1.6		14		68
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225	< 20	U	2300		< 20	U	< 40	U	< 30	U	710		0.0083	F	310		54		78		1.7		13		67
ST012-LSZ09	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	215	< 10	U	900		< 10	U	< 20	U	< 15	U	1800		0.02	F	270		0.71		29		0.67		6.7		140
ST012-LSZ10	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205	< 2.0	U	430		< 2.0	U	< 4.0	U	< 3.0	U	310		0.011	F	40		4.6		0.4	F	0.11		8.3		770
ST012-LSZ10	Duplicate	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205	< 2.0	U	420		< 2.0	U	< 4.0	U	< 3.0	U	300		0.0091	F	45		7.9		0.91		0.23		8.5		790
ST012-LSZ11	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	235	< 10	U	3000		< 10	U	< 20	U	< 15	U	3200		0.0072	F	160		19		21		0.95		13		66
ST012-LSZ12	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	225	< 10	U	2100		< 10	U	< 20	U	< 15	U	1500		0.036		240		2.3		8.5		0.22		14		110
ST012-LSZ15	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225	< 1.0	U	25		< 1.0	U	< 2.0	U	< 1.5	U	47		< 0.025	U	910		21		170		0.81		21		69
ST012-LSZ17	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225	< 10	U	2500		< 10	U	< 20	U	< 15	U	1600		0.0074	F	170		6.6		11		0.36		21		96
ST012-LSZ19	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225	< 2.0	U	620		< 2.0	U	< 4.0	U	< 3.0	U	400		0.0047	F	270		42		26		0.71		18		140
ST012-LSZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	B	225	< 1.0	U	180		< 1.0	U	< 2.0	U	< 1.5	U	150		0.012	F	190		42		11		0.24		18		390
ST012-LSZ23	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	213	< 5.0	U	970		< 5.0	U	< 10	U	< 7.5	U	780		0.011	F	530		3.4		110		1.6		12		86
ST012-LSZ25	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225	< 2.0	U	720		< 2.0	U	< 4.0	U	< 3.0	U	520		0.023	F	260		29		15		0.68		14		120
ST012-LSZ29	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	225	< 1.0	U	0.7	F	< 1.0	U	< 2.0	U	< 1.5	U	15		< 0.025	U	800		1.5		110		6.7		48		120
ST012-LSZ37	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	< 10	U	550		< 10	U	< 20	U	< 15	U	2700		0.0061	F	260		5.7		58		3.9		6.1		55
ST012-LSZ38	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	235	< 10	U	2400		< 10	U	< 20	U	< 15	U	1300		0.012	F	330		1.3		61		1.0		11		73
ST012-LSZ39	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	< 10	U	1700		< 10	U	< 20	U	< 15	U	1200		0.0048	F	590		6.5		120		1.2		11		84
ST012-LSZ39	Duplicate	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235	< 20	U	3800		< 20	U	< 40	U	< 30	U	1800		0.011	F	390		10		98		1.4		8.8		67
ST012-LSZ42	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	225	< 10	U	11		< 10	U	< 20	U	< 15	U	2200		0.018	F	230		53		21		0.67		22		120
ST012-LSZ43	Sample	4/26/2018	2801090541	ST012-EBR Baseline-2018	DB	215	< 10	U	4500		< 10	U	< 20	U	< 15	U	3600		0.039		230		310		56		4.7		34		100
ST012-LSZ45	Sample	5/2/2018	2801092761	ST012-EBR Baseline-2018	DB	215	< 10	U	440		< 10	U	< 20	U	< 15	U	1500		0.015	F	210		3.7		43		3.6		9.2		89
ST012-LSZ46	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215	< 40	U	1300		< 40	U	< 80	U	< 60	U	1600		< 0.025	U	100		0.41		20		1.3		4.7		44
ST012-LSZ49	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	220	< 20	U	6100		< 20	U	< 40	U	< 30	U	1600		0.0044	F	320		5.9		71		6.7		7.9		72
ST012-LSZ52	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	220	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	250		0.087	F	48		0.59		7.1		64
ST012-LSZ53	Sample	5/11/2018	2801097091	ST012-EBR Baseline-2018	LF	215	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	450		0.35		89		0.64		9.5		85
ST012-LSZ54	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	400		0.13		75		0.24		9.0		74
ST012-LSZ55	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	215	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	330		0.76		70		1.0		7.4		67
ST012-LSZ56	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	0.0058	F	470		0.15		98		0.21		9.7		91
ST012-LSZ57	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	0.0058	F	580		0.66		110		1.9		11		100
ST012-LSZ59	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215	0.28	F	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	0.0046	F	450		0.45		89		0.32		9.3		83
ST012-SVE04D	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	150	< 40	U	110		< 40	U	< 80	U	< 60	U	500		< 0.025	U	520		34		110		11		12		99
ST012-UWBZ05	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	182	< 20	U	4800		< 20	U	< 40	U	< 30	U	5300		0.067		290		19		20		1.6		30		150
ST012-UWBZ09	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	185	< 10	U	2300		< 10	U	< 20	U	< 15	U	1800		< 0.025	U	220		28		9.7		1.0		35		250
ST012-UWBZ10	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182	< 20	U	2700		< 20	U	< 40	U	< 30	U	3000		0.035		410		12		44		3.3		50		190
ST012-UWBZ11	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	180	< 20	U	7400		< 20	U	< 40	U	< 30	U	3100		0.069		330		26		38		2.1		48		200
ST012-UWBZ14	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182	< 10	U	960		< 10	U	< 20	U	< 15	U	920		0.11		130		4.4		9.8		0.92		35		220
ST012-UWBZ16	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182	< 4.0	U	660		< 4.0	U	< 8.0	U	< 6.0	U	320		0.0051	F	290		140		31		3.0		22		110
ST012-UWBZ18	Sample	4/23/2018	2801088721	ST012-EBR Baseline-2018	DB	182	< 20	U	8500		< 20	U	< 40	U	< 30	U	4100		0.031		270		8.9		15		1.7		39		240
ST012-UWBZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185	< 10	U	2800		< 10	U	< 20	U	< 15	U	3900		0.077		320		20		66		2.7		15		96
ST012-UWBZ23	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182	< 10	U	1700		< 10	U	< 20	U	< 15	U	1300		0.03		230		8.0		28		2.0		26		120
ST012-UWBZ24	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	182	< 20	U	4800		< 20	U	< 40	U	< 30	U	5000		0.036		410		8.9		76		2.9		21		100
ST012-UWBZ26	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	< 20	U	4700		< 20	U	< 40	U	< 30	U	2400		0.02	F	500		5.5		110		4.0		17		99
ST012-UWBZ26	Duplicate	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	< 20	U	5000		< 20	U	< 40	U	< 30	U	2800		0.023	F	520		5.7		120		4.2		18		100

ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
FORMER WILLIAMS AFB
MESA, ARIZONA

							latile Organics by EPA Method SW8260B												Total Metals by EPA Method SW6010C											
Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)	Tetrachloroethene ug/l		Toluene ug/l		Trichloroethene ug/l		Trichlorofluoromethane ug/l		Vinyl chloride ug/l		Xylenes, Total ug/l		Arsenic mg/l		Calcium mg/l		Iron mg/l		Magnesium mg/l		Manganese mg/l		Potassium mg/l		Sodium mg/l
ST012-UWBZ27	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185	< 5.0	U	1200		< 5.0	U	< 10	U	< 7.5	U	730		< 0.025	U	470		2.4		110		2.4		14		87
ST012-UWBZ28/LSZ51	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	0	< 10	U	4400		< 10	U	< 20	U	< 15	U	1700		0.021	F	490		3.2		81		4.6		29		130
ST012-UWBZ30	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185	< 20	U	6000		< 20	U	< 40	U	< 30	U	2500		0.052		280		2.4		52		4.4		22		110
ST012-UWBZ31	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	180	< 4.0	U	1500		0.88	F	< 8.0	U	< 6.0	U	1700		0.015	F	280		22		52		1.6		25		93
ST012-UWBZ34	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	175	< 10	U	180		< 10	U	< 20	U	< 15	U	1100		< 0.025	U	200		4.1		46		2.0		5.9		66
ST012-UWBZ36	Sample	4/25/2018	2801089801	ST012-EBR Baseline-2018	DB	180	< 1.0	U	< 1.0	U	< 1.0	U	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	420		1.2		80		2.4		14		78
ST012-UWBZ38	Sample	4/11/2018	2801084031	ST012-EBR Baseline-2018	LF	185	< 1.0	U	< 1.0	U	0.25	F	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	870		0.18		160		4.6		10		97
ST012-UWBZ39	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	185	< 1.0	U	< 1.0	U	0.22	F	< 2.0	U	< 1.5	U	< 2.0	U	< 0.025	U	230		0.23		45		0.035		6.2		69

Notes:
DB -
DRO - Diesel Range Organics
G - Grab
GRO - Gasoline Range Organics
LF - Low Flow
mg/L - milligrams per liter
TPH - Total Petroleum Hydrocarbons
ug/L - micrograms per liter

Data Qualifier Definitions:
B - The analyte was detected, estimated due to blank contamination
F - The analyte was detected, estimated above the Method Detection Limit (MDL) and below the Reporting Limit (RL).
J - The analyte was detected, estimated due to QC criteria
NA - Not Analyzed
U - The analyte was not detected above the RL.
UJ - The analyte was not detected, estimated due to QC criteria
< - Not detected at or above the RL.

ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
FORMER WILLIAMS AFB
MESA, ARIZONA

Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)		Anions by EPA Method SW9056			
								Nitrogen, nitrate mg/l		Sulfate mg/l	
ST012-CZ02	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	DB	150		0.14	F	96	
ST012-CZ06	Sample	4/16/2018	2801086011	ST012-EBR Baseline-2018	DB	150		2.2	F	260	
ST012-CZ07	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	150		< 0.5	U	89	
ST012-CZ08	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150		2.1	F	98	
ST012-CZ09	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150		1.8	F	140	
ST012-CZ11	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150		0.58		74	
ST012-CZ12	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150		2.5	F	100	
ST012-CZ14	Sample	4/6/2018	2801082081	ST012-EBR Baseline-2018	DB	150		1.7	F	89	
ST012-CZ15	Sample	4/17/2018	2801086791	ST012-EBR Baseline-2018	DB	150		< 1.0	U	35	
ST012-CZ16	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	150		11		210	
ST012-CZ18	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	155		0.26	F	2.8	B
ST012-CZ19	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	155		2.5		150	
ST012-CZ20	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150		< 1.0	U	6.3	F
ST012-CZ21	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	155		0.58		150	
ST012-CZ23	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	150		0.07	F	64	
ST012-CZ24	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14		5.2		450	
ST012-CZ24	Duplicate	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	150.14		5.8		450	
ST012-CZ25	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	LF	145		14		310	
ST012-LSZ02	Sample	5/4/2018	2801094211	ST012-EBR Baseline-2018	DB	225		19		310	
ST012-LSZ03	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	200		12		300	
ST012-LSZ06	Sample	5/7/2018	2801094701	ST012-EBR Baseline-2018	DB	225		0.47	F	70	
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225		< 0.5	U	< 5.0	U
ST012-LSZ08	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	225		0.051	F	< 5.0	U
ST012-LSZ09	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	215		0.37	F	51	
ST012-LSZ10	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205		0.36	F	1000	
ST012-LSZ10	Duplicate	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	205		0.36	F	1000	
ST012-LSZ11	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	235		< 0.5	U	3.4	F
ST012-LSZ12	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	225		1.7		170	
ST012-LSZ15	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225		14		350	
ST012-LSZ17	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225		0.46	F	28	
ST012-LSZ19	Sample	4/30/2018	2801091631	ST012-EBR Baseline-2018	DB	225		3.2		110	
ST012-LSZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	B	225		4.9		380	
ST012-LSZ23	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	213		5.1		140	
ST012-LSZ25	Sample	5/8/2018	2801095261	ST012-EBR Baseline-2018	B	225		1.8		180	
ST012-LSZ29	Sample	4/10/2018	2801083221	ST012-EBR Baseline-2018	LF	225		16		290	
ST012-LSZ37	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235		< 0.5	U	19	
ST012-LSZ38	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	235		2.8		82	
ST012-LSZ39	Sample	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235		4.0		110	
ST012-LSZ39	Duplicate	4/12/2018	2801084721	ST012-EBR Baseline-2018	G	235		< 0.5	U	0.94	F
ST012-LSZ42	Sample	4/5/2018	2801081531	ST012-EBR Baseline-2018	DB	225		0.24	F	140	
ST012-LSZ43	Sample	4/26/2018	2801090541	ST012-EBR Baseline-2018	DB	215		0.12	F	42	
ST012-LSZ45	Sample	5/2/2018	2801092761	ST012-EBR Baseline-2018	DB	215		< 0.5	U	< 5.0	U
ST012-LSZ46	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215		< 0.5	U	0.68	F
ST012-LSZ49	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	220		< 0.5	U	< 5.0	U
ST012-LSZ52	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	220		0.24	F	160	
ST012-LSZ53	Sample	5/11/2018	2801097091	ST012-EBR Baseline-2018	LF	215		2.6		120	
ST012-LSZ54	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	215		1.1		98	
ST012-LSZ55	Sample	4/2/2018	2801080041	ST012-EBR Baseline-2018	LF	215		< 0.5	U	250	
ST012-LSZ56	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	150		11		120	
ST012-LSZ57	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215		12		170	
ST012-LSZ59	Sample	5/10/2018	2801096621	ST012-EBR Baseline-2018	LF	215		5.9		180	
ST012-SVE04D	Sample	4/27/2018	2801091141	ST012-EBR Baseline-2018	DB	150		0.24	F	4.6	F
ST012-UWBZ05	Sample	4/18/2018	2801087261	ST012-EBR Baseline-2018	DB	182		0.38	F	29	
ST012-UWBZ09	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	185		3.3		120	
ST012-UWBZ10	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182		0.077	F	35	
ST012-UWBZ11	Sample	5/1/2018	2801092171	ST012-EBR Baseline-2018	DB	180		0.18	F	90	
ST012-UWBZ14	Sample	4/19/2018	2801087811	ST012-EBR Baseline-2018	DB	182		0.92		64	
ST012-UWBZ16	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182		3.1		76	
ST012-UWBZ18	Sample	4/23/2018	2801088721	ST012-EBR Baseline-2018	DB	182		0.47	F	97	
ST012-UWBZ22	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185		0.067	F	9.9	
ST012-UWBZ23	Sample	4/24/2018	2801089211	ST012-EBR Baseline-2018	DB	182		1.4		67	
ST012-UWBZ24	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	182		0.11	F	13	
ST012-UWBZ26	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185		0.25	F	2.9	B
ST012-UWBZ26	Duplicate	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185		0.14	F	2.1	B

ST012 - EBR BASELINE 2018 ANALYTICAL RESULTS
FORMER WILLIAMS AFB
MESA, ARIZONA

Location ID	Sample Type	Sample Date	Lab Report #	Name of Sampling Program	Sampling Method	Sample Depth (ft btoc)		Anions by EPA Method SW9056			
								Nitrogen, nitrate mg/l		Sulfate mg/l	
ST012-UWBZ27	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	G	185		0.46	F	81	
ST012-UWBZ28/LSZ51	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	0		< 0.5	U	23	
ST012-UWBZ30	Sample	5/9/2018	2801095981	ST012-EBR Baseline-2018	G	185		< 0.5	U	91	
ST012-UWBZ31	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	DB	180		1.8		69	
ST012-UWBZ34	Sample	4/3/2018	2801080621	ST012-EBR Baseline-2018	LF	175		0.12	F	1.0	B
ST012-UWBZ36	Sample	4/25/2018	2801089801	ST012-EBR Baseline-2018	DB	180		1.0		150	
ST012-UWBZ38	Sample	4/11/2018	2801084031	ST012-EBR Baseline-2018	LF	185		2.2		390	
ST012-UWBZ39	Sample	5/3/2018	2801093551	ST012-EBR Baseline-2018	DB	185		4.7		68	

Notes:
DB -
DRO - Diesel Range Organics
G - Grab
GRO - Gasoline Range Organics
LF - Low Flow
mg/L - milligrams per liter
TPH - Total Petroleum Hydrocarbons
ug/L - micrograms per liter

Data Qualifier Definitions:
B - The analyte was detected, estimated due to blank contamination
F - The analyte was detected, estimated above the Method Detection Limit (MDL) and below the Reporting Limit (RL).
J - The analyte was detected, estimated due to QC criteria
NA - Not Analyzed
U - The analyte was not detected above the RL.
UJ - The analyte was not detected, estimated due to QC criteria
< - Not detected at or above the RL.