	0	225 Schiling Circle Suite 400 Hunt Valley MD		C	НΔ	IN	-0	F_(CLI	IST		YC	RF	CO	RD)			COC NUME	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625	To the second se	O	1 1/	1114	0				0.	١ ر		-00				(COC-001	-202
PROJEC	T NAME:	PROJECT NUMBER:		IAME AND CONTACT				FAX	K AND I	MAIL RE	PORTS	/EDD TO:			-	eaest.com		YEAR:	20	20
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		17601		FAX	K AND I	MAIL RE	PORTS	/EDD TO:				aest.com		QUARTE	2 (Ap	r-Jun)
PROJEC ST106/S	T SITE AND PHASE:		Lab PO Number:	14800				LAE	B CONT	TACT: K	ay How	er K	ayHowe	r@eurofins	JS.com	E	urofins 1 (717) 55	6-7258		
0110070					AN	ALYS	SREC	QUIRE	ED (S	pecify	numb	er of bo	ttles)	1						
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMME	ENIS	
1	GW00	1-202	4-16-2020	1231	7			_	2	1	1*	1	1	1	1				<i></i>	
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3			0				-			_										
4			4	M																
5			1																	
6																				
СОММЕ	ENTS: *Dissolved Fe, Mn al	iquot was field filtered																	TB202	<u>.</u> 57
SAMPL	ER(S):	0.66						C	COURIE	R AND	SHIPPIN	IG NUMB	ER: F	edEx	77	102	4261	560		- 0 /
	7.111	RELINQUISHED BY:			DATE		TIME						•	RECEIV	ED BY:	- ~	100	000	DATE	TIME
Printed	Name and Signature:		110	\A				-	Printed I	Name ar	ıd Signa	ture:								T
	Josh V	a Wesserger	Shi	Wy 4-	16-20	20	1900				10									
Printed	Name and Signature:		<u> </u>	0		T		F	Printed I	Name ar	ia Signa	ture:								
Printed	Name and Signature:							F	Printed	Name ar	nd Signa	iture:								
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		225 Schiling Circle Suite 400 Hunt Valley MD		C	HA	AIN	I-O	F-	CU	S		ŊΥ	RF	ECOF	30)			1 202	NUMBER	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625						•	-	0	0.	١,	1 \L	_001	10				COC-	002-202	
PROJEC	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND N	MAIL RI	EPORTS	/EDD TO:			_	eaest.con		YEAR:		2020	
Facility				land Pike Lancas		17601		FA	X AND N	MAIL RI	EPORTS	/EDD TO:				aest.con		QUART	TER: 2	(Apr-Jun)	
PROJEC ST 106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	BCONT	ACT: I	(ay Howe	er K	ayHowe	er@eurofinsUS	S.com	E	urofins 1 (717) 55	6-7258			-
					AN	ALYS	IS RE	QUIR	ED (Sp	ecify	numbe	er of bo	ttles)								
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		СОМ	MENTS		
1	GW002	-202	4-17-2020	1212	7			_	2	1	1*	1	1	1	_						
2	GW002		4-17-2020		7			_	2	1	1*	1	1	1						·	
3			7 11 00	10.0	ŧ									1							
4.			deliberation of the second of			-	1														_
5							De							- Inches							
6																					
COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																	TD	202-63	
SAMPLE	R(S):	_					-	C	OURIER	ANDS	HIPPING	3 NUMBE	R: _		300	7	6243	OFC		202-65	
	1. Mossenz	RELINQUISHED BY:			DATE		TIME	-					г	RECEIVED		4	0273	0 56.	DATE	TIME	
Printed N	lame and Signature:		1					-	rinted Na	me and	Signatu	ıre;								1 1100	_
5:		semer	hu Mtr	4-1	7-20	20 1	600						-								
Printed N	lame and Signature:			V		T		Pr	rinted Na	me and	Signatu	ire:									
Printed N	lame and Signature:							Pr	rinted Na	me and	d Signatu	ıre;									•
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		225 Schiling Circle Suite 400 Hunt Valley MD			:H	ΔΙΛ	1-0)F_	CI	10.	ГО	nv	DI	ECO	Dr	`		С	OC NUME	BER
DDO IE		Tel No: (410) 584-7000 Fax No. (410) 771-1625			JI 17	111	4 C	/I				וט	I/I		NL.	,		CC	C-003	-202
1	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	S/EDD TO				eaest.co		YEAR:	20	
Facility	/		2425 New Ho	lland Pike Lancas	es ster PA	17601		FA	X AND	MAIL R	EPORTS	S/EDD TO				aest.con		QUARTER:		
PROJEC	CT SITE AND PHASE:		Lab PO Number	14000															2 (Ap	r-Jun)
ST106/S	SS111		Lab FO Number	. 14000							Kay How			er@eurofinsU	S.com	E	urofins 1 (717) 556-7258	3		
					A١	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
1	GW003	3-202	4-30-2020	1330	10	-	3		2	1	1*	1	1	1					-	
2	- GW003	-602	4-30-2020 4-30-2020	1320	10	_	3		2	1	1*	-								
3		002	1200	1230	10		3	_		'		1	1	1	•					
4																				
5				1																
				7																
6																				
COMMEN	NTS: *Dissolved Fe, Mn aliqu	uot was field filtered												Anna						
SAMPLER	Pump	5N: 1807I	3-752																TB202-	25
SAMPLER	D. Sch	meelk						cc	URIER	AND S	HIPPING	NUMBER	E F	edEx 7	70	2 //	1700		10202-	0.5
Printed Na	ame and Signature:	RELINQUISHED BY:			DATE		TIME						1 6	RECEIVED I		1 60	132 7080	X	ATE	TIME
		neelk	9/6	X 14-3	0-20	7781	700		nted Na	me and	Signatur	re:			,				NIE	IIME
Printed Na	me and Signature:		July -	, ,	0-0	241	100	-	nted Na	me and	Signatur	'e'								
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rinted Na	me and Signature:							Prin	nted Nar	me and	Signatur	ъ.								
											griatui		-			-				
					-													-		

	o o	225 Schiling Circle Suite 400 Hunt Valley MD			·LI	INI		E	CI	101		٦V	DE	ECO	PL)				OC NUM	BER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	, /-	1111	1-0	1 -			O.	וכ	1/1	_00	IVD	,			C	OC-004	-202
	CT NAME:	PROJECT NUMBER:		IAME AND CONTACT				FA	X AND	MAIL RE	PORTS	/EDD TO			amond@				YEAR:	20	20
Kirtlan Facility	d AFB Bulk Fuels /	62599DM01		aster Laboratorie land Pike Lancas		17601		FA	X AND	MAIL RE	EPORTS	/EDD TO	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS		smith@e moss@e				QUARTER:	2 (Ap	r-Jun)
	CT.SITE AND PHASE:		Lab PO Number:	14800				LA	B CON	TACT: F	Cay How	er K	CayHowe	er@eurofinsl	JS.com	Е	urofins 1 (7	17) 556-7258	. 3		
ST106/9	SS111				ΔN	ΔΙ Υς	IS RE	OLUB	ED (S	necify	numbe	er of bo	ttles)								
<u> </u>						ALIO	IO I KE	QOII		Ť			T			T	1		COMMENT	S	
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZSZOB) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane					
1	GW004	-202	5-5-2020	1300	10	especials.	3	N'amen	2	1	1*	1	1	1		_	>				
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4			,	hu-												-					
5				1								-			-			***************************************			
6															-	-					
COMME	NTS: *Dissolved Fe, Mn alic	unt was field filtered																			
CONINE	NTO. DISSUIVED FE, WIT allo		18078-75	2											•						
		famp.	70070																	TB202	-88
SAMPLE	ER(S): D. Schne	re lk						C	OURIE	RANDS	HIPPING	3 NUMBE	F F	edEx	770	3 9	1357 1	105			
Drintod I	Name and Signature:	RELINQUISHED BY:			DATE		TIME	-	-iii &		d Signatu			RECEIVE						DATE	TIME
Filled	200	eelk E	5-3	5-20	20	1600		TIFIXED IN	iame an	u Signatt	ire;										
Printed I	Name and Signature:		/					P	rinted N	lame an	d Signatu	ire:									T
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		225 Schiling Circle Suite 400 Hunt Valley MD		C	НΔ	IN	-0	F-(CL	IST		ŊΥ	RF	COF	3D			1		COC NUME	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 1/	1114						١ ر		-00.					С	OC-005	-202
PROJEC		PROJECT NUMBER:		IAME AND CONTACT				FA	X AND	MAIL RE	PORTS	/EDD TO:				eaest.com			YEAR:	20	20
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancas		17601		FA	X AND	MAIL RE	PORTS	/EDD TO:				aest.com			QUARTER:	2 (Ap	r-Jun)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number	14800				LA	B CON	FACT: F	ay How	er K	ayHowe	er@eurofinsUS	S.com	E	irofins 1 (717)) 556-7258			
					AN	ALYS	IS RE	QUIRI	ED (S	pecify	numb	er of bo	ttles)	,						70	
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMEN.	īs	
1	GW00	5-202	4-16-2020	1041	24	-	9		6	3	3*	1	1	1	-		Please see	e Comme	nts for req	uested MS/W	ISD analytes
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3					1	1															
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6																					
	ENTS: *Dissolved Fe, Mn ali																				
Plea	ase run MS/MSD Ss/BTEX/BTEXN	on the following a , EDB, Total As a	nalytes only: nd Pb, and di	ssolved Mn a	nd Fe	Э															
										0.440	DI HEDIK	10 1111110	FD:							TB202	-54
SAMPLI	ER(S): 10556	enger							JOURIE	K AND	אראווים	IG NUMB	F			2	12613	5717		D.T.	7,115
	RELINQUISHED BY: DATE TI										d Signal	ture:		RECEIVE	D BY:					DATE	TIME
Printed	Toshua Messenso 4-16-2020 (90										id Olgrid	iuio.					33,000				
Printed	/ 55 hUA V 045 Engs 1																				
Printed	Name and Signature:							F	Printed	Name ar	nd Signa	ture:									

		225 Schiling Circle Suite 400 Hunt Valley MD			:H4	111	1-0	F-	CI	19		DV	P	ECC	PL	`				С	OC NUMBE	R
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	/ 1 1/	111		1 -				וט	IXL	_00	IL	,				CC	C-006-2	202
100000000000000000000000000000000000000	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER:		NAME AND CONTAC				FA	AX AND	MAILR	EPORTS	EDD TO			tlamond@				Y	EAR:	2020	
Facility		62599DM01		aster Laboratorie Iand Pike Lancas		17601		FA	AX AND	MAIL R	EPORTS	S/EDD TO			asmith@e omoss@e			A A	Q	UARTER:	2 (Apr-	
PROJEC ST 106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LA	B CON	TACT:	Kay How	er k	CayHowe	er@eurofins	US.com		Eurofins	1 (717) 5	56-7258		2 (Api-	
51 100/5	55111		1.		ANI	ALVC	IC DE	OLUD	ED /0				101>									
			T			ALTO	IS RE	QUIR	ED (S		numb	er of bo	otties)	T		Т	T			COMMENTS	3	
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) ED8	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-1/5) Methane				SOME TO		
1	GW006	5-202	4-24-2020	0908	10	_	3	_	2	1	1*	1	1	1	-	-	-					
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COMME	NTS: *Dissolved Fe, Mn aliq	unt was field fillered							L	l										***************************************		
7	Pump SN#	1808 - 4	22												77	102	ÿ	271	713	88	TB202-	77
SAMPLE	D. Schm	eelk						C	OURIER	RANDS	SHIPPING	3 NUMBE	R: F	edEx	770	2	42	70	383	0-Y		((
	lame and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVE	DBY:						DATE	TIME
D	Schneck	5	12 ×	4.7	\$-20	20	163		rinted N	ame and	d Signatu	ire:							-			
Printed N	lame and Signature:			7			1-0		rinted N	ame and	d Signatu	ire:	-									
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			11/-	/III	-0	Γ-(101	O	וכ			10			(COC-007-	202
	T NAME:	PROJECT NUMBER:		IAME AND CONTACT				FAX	X AND	MAIL RE	PORTS	/EDD TO:			_	eaest.com	n EA EA	YEAR:	20:	20
Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		17601		FA	X AND	MAIL RE	PORTS	/EDD TO:				est.com	EA	QUARTER	R: 2 (Apr	-Jun)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LAI	B CONT	TACT: H	Kay Howe	er Ka	ayHowe	er@eurofinsUS	com.	Eur	ofins 1 (717) 556-7	7258		
01100/0					AN	ALYSI	SREC	QUIRE	ED (S	pecify	numbe	er of bo	ttles)							
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		СОММЕ	ENTS	
1	GW007	7-202	1228	7	_	_	-	2	1	1*	1	1	1	-						
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6																				
COMME	NTS: *Dissolved Fe, Mn alie	puot was field filtered									1		İ							
		P	ump: 180:	76 - 752											7	702	? 4271	7403	3 TB202	-76
SAMPL	ER(S): A. Messenge	(С	OURIE	R AND	SHIPPIN	G NUMBE	R: F	edEx	7	702	4270	3922	2-8	
		RELINQUISHED BY:			DATE		TIME			Vame an	d C:			RECEIVED	BY:				DATE	TIME
Printed	Name and Signature:		M	U - 7	14-21	70 1	63		ninted iv	vame an	d Signat	ure.								
Printed	Joshic Mesenger 4-24-2118 1630 Printed Name and Signature:																			
		V		0																
Printed	Name and Signature:							P	rinted N	Name an	d Signat	ure:								

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		400 Hunt Valley MD Tel No: (410) 584-7000		C	ΠA	111/	-0	F-(51	OL	וכ	L		ND				CO	C-008-	202
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY	IAME AND CONTACT	r:			FAX	X AND	MAIL RE	PORTS	/EDD TO			-	eaest.com		YE.	AR:	202	20
Kirtland	d AFB Bulk Fuels	62599DM01		aster Laboratorie		7601		FΑ	X AND	MAII RE	PORTS	/EDD TO			moss@e	aest.com aest.com	EA EA	QU	JARTER:		
Facility	N		2425 New Hoi	land Pike Lancas	terPA	7601		12	A AND	WITCH TAL	.i Oitio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								2 (Apr	-Jun)
	T SITE AND PHASE:		Lab PO Number:	14800			and the second	LA	B CON	FACT: F	(ay Howe	er K	CayHowe	er@eurofinsl	JS.com	Eu	rofins 1 (717) 55	6-7258			
ST106/S	S111				AN	ALYSI	SRE	QUIRE	ED (S	pecify	numbe	er of bo	ottles)								
									l			_						C	COMMENTS	;	
					Total					(6 Total (Dis	Chloride,	z	Alkalinity (Total, Carbonate, and Bicarbonate)	C						
					Number of Bottles	≤ (82	(82 8:	(82 BT	E (8)	(6020A/6010C) (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe,	(30 e, bro	(353.2) Nitrate-Nitrite	Alkalinity , Carbonate Bicarbonate	(RSK-175) Carbon Dioxide	(RSK-175) Methane					
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	per of	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	/6010 ,Ca,K	10C) d Fe,	(300.0) bromide	3.2) -Nitr	linity	Diox	-175) hane					
					f Bott					Na,N	Mn	(300.0) bromide, sulfate	iŧ	e, an	de						
					les					(g)		ate		<u>a</u>			,				
1	GW008	3-202	11/0	(0	1	3	_	2	1	1*	1	1	1	-							
2	GW008	3-602	04-16-2020		10	_	3	-	2	1	1*	1	1	1							
3			100	11/											-						
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				-	2	1				-	1	W.	11	5-	20	20) 				
5					10		- Chicago and Chicago		-		0		1	4					,		
6																					
СОММЕ	ENTS: *Dissolved Fe, Mn ali	quot was field filtered																			
																				TB202	-58
0.1150	FD(0) - 15							lo	COURIE	RAND	SHIPPIN	NG NUME	BER:	:	חח,	00	426		971		
SAMPL	ER(S): 6- Bego	ye											t	-edEX RECEIV		1	926	1 3	13	DATE	TIME
Distant	Name and Signature:		DATE		TIM		Printed	Name ar	nd Signa	ture:	-	RECEIV	ED BT.					D/112			
Finted	-1.1	Begane	ee 4-1	6-20	-	10				-											
	000000000000000000000000000000000000000	some 1	6-20	124	171	10	Printed	Name a	nd Signa	ture:											
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		#F									-101-										
Printed	Printed Name and Signature:									Name a	nd Signa	iture:									

		225 Schiling Circle Suite 400 Hunt Valley MD		C	HA	AIN	I-O	F-	CL	IST		٦Y	RF	ECOI	2)			C	OC NUMBE	R
		Tel No: (410) 584-7000 Fax No. (410) 771-1625				1111				, 0		١ ر	1 / L	_001	(D				CC	C-009-2	02
Kirtlar	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	IAME AND CONTACT aster Laboratorie	s			FA	X AND	MAIL R	EPORTS	/EDD TO			mond@ mith@ea				'EAR:	2020)
Facilit			2425 New Hol	land Pike Lancast	ter PA	17601		FA	X AND	MAIL RI	EPORTS	/EDD TO	: Pam	Moss: pr	noss@e	aest.com		C	QUARTER:	2 (Apr-J	un)
PROJE	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	B CON	TACT: I	Kay How	er K	ayHowe	er@eurofinsUS	S.com	Е	urofins 1 (717) 556-7258			
				1	AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)								
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) . Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENTS		
1	GW009	9-202	4-16-2020	1141	10	_	3	_	2	1	1*	1	1	1	_						-
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	*	225 Schiling Circle Suite 400 Hunt Valley MD		_	ЦΛ	INI				101		7V	DE	COF	חכ	8			COC NUM	BER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C		1111	-0	F-(S I	O	וכ	IXL	_001	ヘレ			C	COC-010	-202
PROJEC		PROJECT NUMBER:		AME AND CONTACT				FA	X AND	MAIL RE	PORTS	/EDD TO			-	eaest.co		YEAR:	20	20
Kirtland Facility	I AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		17601		FA	X AND	MAIL RE	PORTS	EDD TO				aest.com aest.com		QUARTER	2 (Ap	r-Jun)
PROJEC ST106/S	T SITE AND PHASE:		Lab PO Number:	14800				LAI	B CONT	TACT: H	Kay How	er K	ayHowe	er@eurofinsUS	S.com	Eu	rofins 1 (717) 556-7	258		
					AN.	ALYSI	SRE	QUIRE	ED (S	pecify	numb	er of bo	ottles)							
ITEM	SAMPLE I	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMME	NTS	
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Printed	Name and Signature:	RELINQUISHED BY:	-7	DATE		TIME		rinted N	Name ar	nd Signa	ture:		RECEIVED	BY:				DATE	TIME	
	D. Schn	eelk E	- Y-0	14-20	520	1630			***************************************								A Control of the Cont			
Printed	Name and Signature:	/						P	Printed N	Name ar	nd Signa	ture:								1
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	HA	IN	-O	F-(\mathcal{I}	51	OL	JΥ	KE	COF	ζD				C-011-2	02
	NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	1			FAX	AND	AIL RE	PORTS	EDD TO:	Tara La		-	eaest.com	n EA EA	YEAR:	2020	
PROJECT Kirtland Facility	AFB Bulk Fuels	62599DM01	Eurofins Lanc 2425 New Holl	aster Laboratorie and Pike Lancast	s ter PA 1	17601		FAX	(AND N	AIL RE	PORTS	/EDD TO:				est.com	EA	QUARTER:	2 (Apr-J	un)
	OUTS AND DUACE:		Lab PO Number:	14800				LAE	CONT	ACT: K	ay Howe	er K	ayHowe	er@eurofinsUs	S.com	Eu	rofins 1 (717) 556-72	258		
ST106/SS	SITE AND PHASE: 111				ANI	AL VCI	e DE	JUIDE	ED /Si	necify	numbe	er of bo	ttles)							
				1	AIN	ALISI	SKE	ZOIIVE	_D (O		i di i i							COMMENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
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-	111								0011011	ED AND	CUIDDI	NG NUMI	DED.			20	10113	0577	10202	
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		Fax No. (410) 771-1625		MIE AND CONTACT	-			ELV	11/0 111	u pr	DODTO	(EDD TO	Tami	amoud: Ha	mond@	000010	om EA	V	EAR:	C-012F	(-202
10000000	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT				FAX.	AND MA	AIL RE	PURIS	/EDD TO:			mith@ea			110	EAK.	20	20
Facility				land Pike Lancas		7601		FAX	AND MA	AIL RE	PORTS	/EDD TO:	Pam N	Moss: pm	oss@ea	aest.com	n EA	Q	UARTER:	2 (Apı	r-Jun)
PROJEC ST106/S	CT SITE AND PHASE:	1	Lab PO Number:	14800				LAB	CONTAC	CT: K	ay Howe	er K	ayHowe	r@eurofinsUS	S.com	Е	urofins 1 (717)	556-7258			
					ANA	ALYSIS	REQ	UIRE	D (Spe	ecify	numbe	er of bo	ttles)								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C)	(8260C) BTEXN	(8011) (8018)		(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENT	S	
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Plea		on the following a , EDB, Total As a	nd Pb, and dis	ssolved Mn a	nd Fe																
		pamp: 180	75-752																	TB202	73
SAMPL	ER(S): Messe	nser						co	URIER A	AND S	HIPPIN	G NUMBE	F: F	edEx 3	770	2	4270	364,	6		
Drinted	Name and Signature:	RELINQUISHED BY:			DATE		TIME	Drin	nted Nan	ne and	d Signat	iro.		RECEIVED	BY:					DATE	TIME
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			/ 1 1/	111.4						J 1	1 1 1								COC-0	13-2	202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	-	NAME AND CONTAC				FA	X AND	MAIL R	PORTS	JEDD TO			amond@ mith@e			EA EA		YEAR:		2020	0
Facility		G2353DNI01		land Pike Lancas		17601		FA	X AND	MAIL RE	PORTS	EDD TO			noss@e			EA .		QUARTE	R: 2	(Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111	A CONTRACTOR OF THE PARTY OF TH	Lab PO Number:	14800				LAI	B CON	TACT: F	(ay How	er K	ayHowe	er@eurofinsU	S.com	Е	urofins	1 (717)	556-7258	3			
					AN	ALYSI	SRE	QUIR	ED (S	pecify	numb	er of bo	ttles)										
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				СОММ	ENTS		
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SAMPLE	ERISI-	V:1807B- eelk	752				***********	loc	OURIER	S AND S	HIDDING	3 NUMBE	p.		- In-a	2 450					TB	202-5	36
	D. Schn	RELINQUISHED BY:	***************************************						JOINE	VAIND 0	THEFTIN	3 IVOIVIDE	F	edEx 🛴		03	65	63	85	71			
Printed N	Name and Signature:	RELINQUISHED BY:			DATE		TIME		inted N	ame and	Signatu	ire:		RECEIVED	BY:		************				DATE		TIME
D	. Schnee	1k, 4	S.	5-1	-20	20	170	0			***************************************												
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CHAIN-OF-CUSTODY RECORD CCO-014-202 PROJECT NAME: PROJECT NAME PROJECT NAME AND CONTACT: Exercised Part (1971-198) Exercised Project NAME PROJECT NAME AND CONTACT: Exercised Part (1971-198) Exercised Project NAME PROJECT NAME AND CONTACT: Exercised Part (1971-198) Exercised Project NAME PROJECT NAME AND CONTACT: Exercised Part (1971-198)			225 Schiling Circle Suite 400 Hunt Valley MD			LIA	INI			107)V	DE	000	חכ				CO	C NUMBE	R
PROJECT NUMBER: LABORATORY NAME AND CONTACT: Eurofina Lafaboratories 2259 DM01 Eurofina Lafaboratories 2425 New Holland Pike Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 FAX AND MAIL REPORTS/EDD TO. Part Moss: pmotes@east.com EA QUARTER 2 (AprJun) PROJECT SITE AND PHASE: Lab PO Number: 14800			Tel No: (410) 584-7000		C	пА	11/1-	UF	-01		O.	וכ		COI	\D				CO	C-014-2	.02
Comments	PROJECT	T NAME:		LABORATORY N	AME AND CONTACT	7:			FAX AN	D MAIL RI	EPORTS	/EDD TO			-			YEAR	:	2020)
Lab PO Number: 14800 Lab CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258		AFB Bulk Fuels	62599DM01				7601		FAX AN	D MAIL RI	EPORTS.	/EDD TO						QUAF	TER:		
ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) COMMENTS COMME	racinty				and I me carroad						-				0					2 (Apr-	Jun)
ANALYSIS REQUIRED (Specify number of bottles) Time				Lab PO Number:	14800				LAB CO	NTACT: I	Kay Howe	er K	ayHowe	r@eurofinsUS	S.com	Eu	rofins 1 (717) !	556-7258			
Total Number of Bottles	01100100					ANA	LYSIS	REQL	JIRED (Specify	numbe	er of bo	ottles)								
TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC			1			7				15		9		_				COI	MENTS		
TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC						otal N				(6) tal (/	Dis	loride	z	Total,	Ca						
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COMMENTS: *Dissolved Fe, Mn aliquot was field filtered	6																				
	СОММЕ	NTS: *Dissolved Fe, Mn ali	quot was field filtered																		
Pump SN# 1808 - 402 7702 4271 7138 TB202-77		2	SN# 1906	400										-	770	2	4271	7138		TRONS.	27
Pump SN# 1808 - 402 7702 4271 7138 TB202-77 SAMPLER(S): D. Schweelk COURSER AND SHIPPING NUMBER: FedEx 7702 4270 3830 X	211151 5	Pump	7144 1008	- 702					COUR	IED AND	CHIDDIN	C NI IMP	ED.		11	1 1	1000	200=		10202-	7/1
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625				****	_								()				CC	C-015-	202
PROJEC	T NAME: I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT aster Laboratorie				FA	X AND	MAIL RI	EPORTS	S/EDD TO				eaest.com		YE	EAR:	202	20
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PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800			WEST TO TAKE THE PARTY OF	LA	B CONT	TACT: F	Cay How	er K	ayHow	er@eurofinsUS	S.com	Eu	rofins 1 (717) 5	556-7258			
					AN	ALYSI	SRE	QUIRE	ED (S	pecify	numb	er of bo	ttles)								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		ţ	COMMENTS		
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Fillited N	(1	Messenger	Mark L	hy 4-1	6-20	20	701	Pr	inted Na	ame and	Signatu	ure:				-					
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	IN	I-O	F-	CL	JS	ΓΟΙ	DY	RI	ECO	RD)			OC NUMBER
500000000000000000000000000000000000000	CT NAME:	PROJECT NUMBER:		NAME AND CONTAC				FA	XAND	MAIL R	EPORTS	S/EDD TO	D: Tara I	amond: tla	mond@	eaest.co	om EA	YEAR:	DC-016-202
Facilit	nd AFB Bulk Fuels y	62599DM01	Eurofins Land 2425 New Ho	aster Laboratorie land Pike Lancas	es ter PA	17601						S/EDD TO	Amano	da Smith: as	mith@e	aest.con	n EA		2020
					to i i A	17001		10	AND	WAILK	EPORTS	אבטט וכ): Pam	Moss: pn	10ss@e	aest.con	n EA	QUARTER:	2 (Apr-Jun)
PROJE	CT SITE AND PHASE: SS111		Lab PO Number:	14800	and the said in the said			LA	BCON	TACT: I	Kay How	er k	KayHow!	er@eurofinsU:	S.com	E	urofins 1 (717) 556-725	58	
					AN	ALYSI	SRE	QUIRI	ED (S	pecify	numbe	er of bo	nttles)		T	-			
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles		(8260C) BTEX	(8260C) BTEXN		Total	(6010C) Dissolved Fe, Mn	Chloride,	1	(SM2320B) Alkalinity (Total, Carbonate, a	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	3
					of Bottles		D	20		(6020A/6010C) (As,Pb,Ca,K,Na,Mg)	C) Fe, Mn	(300.0) bromide, sulfate	2) Jitrite	20B) iity nate, and nate)	75) ioxide	75) ane			
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COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																	
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inted N	arrie arid Signature;							Prir	nted Na	me and	Signatur	e:							
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	HA	IN-	OF.	-Cl	JST	ΓΟΙ	DY	RE	CO	RD)			OC NUMBER	
PRO IFO	CT NAME:	PROJECT NUMBER:	LABORATORY	IAME AND CONTACT				EAV AND	MANII DI	DODTO	E/EDD TO	Torol	annand: 11				The second secon	C-017-20)2
Kirtlan	d AFB Bulk Fuels	62599DM01		aster Laboratorie			ľ	AA ANL	IVIAIL KI	PORTS	טו טטאיי			amond@ smith@e			YEAR:	2020	
Facility	′		2425 New Hol	land Pike Lancast	er PA 1	7601		FAX AND	MAIL RI	PORTS	EDD TO	: Pam M	Moss: p	moss@e	aest.con	n EA	QUARTER:	2 (Apr-Ju	ın)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800	and all control of the			LAB CON	NTACT: H	(ay How	er K	ayHowe	r@eurofinsl	JS.com	E	urofins 1 (717) 556-7258			
					ANA	LYSIS F	REQUI	RED (S	Specify	numb	er of bo	ttles)	-	T					
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	87EX (8260C) VOCs	87EXN	(8260C)	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZSZUB) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	e	
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	NTS: *Dissolved Fe, Mn aliq	uot was field fillered						•				,						TB202-€	8
SAMPLE	ER(S): A. Messens	100						COURIE	R AND S	HIPPING	G NUMBE	R: Fe	edEx ,	770	2 4	1267 4360	2		
Drintod N	Name and Signature:	RELINQUISHED BY:			DATE	T	ME						RECEIVE	D BY:				DATE	TIME
-	Name and Signature:	or Ihi	Muz	4-2	1-202	לו סל	90		Name and										
Printed N	Name and Signature:							Printed I	Name and	l Signatu	ıre:								

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		(ЭН	AΙΙ	V-()F	-CI	LIS	TO	DV	D	ECO	DI	`		-	(COC NUM	IRED
PROJEC	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORIA			***		'			10	וטו	1		IL	י					
Kirtlan Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lan	NAME AND CONTAC	00			F	FAX AN	D MAIL F	REPORT	S/EDD T			tlamond(@eaest.c	com EA		YEAR:	OC-018	
raciiity	/		2425 New Ho	Iland Pike Lancas	ster PA	1760	1	F	FAX AN	D MAIL F	REPORT	S/EDD TO	Aman D: Pam		smith@					2	020
PROJEC ST106/S	CT SITE AND PHASE: S111		Lab PO Number	14800			The State Communication of the State Communicati			NTACT:				er@eurofinsl			Eurofins 1 (717) 5		QUARTER:	2 (Ap	or-Jun)
					A	VALYS	SIS RI	OUIF	RED (Specifi	/ Dumh	per of be					_dronris 1 (/1/) 5:	06-7258			
					1		T	-0011	T (TIUTTIL	1	otties)	T	-						
ITEM	SAMPLE IC	DENTIFIER (NATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	EDB (8011)	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENTS	S	
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OMMEN	TS: *Dissolved Fe, Mn aliquo	t was field filtered																			
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	D. Schne	RELINQUISHED BY:						co	URIER	AND SH	IPPING	NUMBER	Fe	dEx -	770	41	7702	77		ΓB202-	10
nted Nam	ne and Signature:	TREEINGOISHED BT:	12	D/	ATE		TIME							RECEIVED	70 BY:	7	2395	77.	-		
D	5 chnee(k	7-1-	1/5	5-8	2	חרו			nted Na	me and S	Signature	9:							. DA	\TE	TIME
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nted Nam	e and Signature:																				
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C		III	I-U			S I	OL	וכ	IVL	_001	10				CC	C-019-	202
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FA	X AND I	MAIL RE	PORTS	EDD TO				eaest.co		Y	EAR:	202	20
Kirtlan	d AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		17601		FA	X AND I	MAIL RE	PORTS	/EDD TO				aest.com aest.com		C	UARTER:	2 (Apr	· lun)
																				z (Aþi	-Juli)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LA	B CONT	FACT: K	ay Howe	er K	ayHowe	er@eurofinsU	S.com	Eu	rofins 1 (717) 5	556-7258			
					AN	ALYS	IS RE	QUIRI	ED (S	pecify	numbe	er of bo	ttles)								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromid	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, a Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENT	,	
			of Bottles	s O	^0	20		(6020A/6010C) (As,Pb,Ca,K,Na,Mg)	E, Mn	(300.0) bromide, sulfate	2) litrite	OB) ity nate, and nate)	75) loxide	75) ne			Bio-1100000000000000000000000000000000000				
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СОММЕ	NTS: *Dissolved Fe, Mn ali	quot was field filtered																			
	PumpSN	# 1808_	402																	TB202	- 75
SAMPL		welk						C	COURIE	RANDS	HIPPIN	G NUMB	ER: F	edEx	77	50	4269	042	5		
	0 -0 1	RELINQUISHED BY:			DATE		TIM		N-1-1		1 01			RECEIVE						DATE	TIME
Printed	Name and Signature:		D	ار را	3-20	200	17		rinted N	vame an	d Signati	ui e.									
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Printed	Name and Signature:								inneu N	vanie ali	a oignai	ui o.									
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	MANAGEMENT AND ASSESSED BY	225 Schiling Circle Suite		_	1 1 0	1 1 1		- /	211	OT	-01	71/	DE	COI	20				COC NUME	BER
		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	III	-Oi	(U	51	OL	JΥ	KE	COF	くし			(COC-020	-202
		Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT				FAX	AND N	MAIL RE	PORTS	EDD TO:	Tara La	amond: tla	mond@	eaest.cor		YEAR:	20	20
	CT NAME: d AFB Bulk Fuels	62599DM01	Eurofins Lanc	aster Laboratorie	S								Amanda	-		est.com	EA EA	QUARTER)·	
Facility			2425 New Holl	and Pike Lancast	er PA 1	7601		FAX	(AND I	VIAIL RE	PORTS	EDD TO:	Pam IV	noss. pri	055@66	1631.00111			° 2 (Ap	r-Jun)
	CT SITE AND PHASE:		Lab PO Number:	14800				LAE	CONT	ACT: K	ay How	er Ka	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (717) 556-72	58		
ST106/S							0.050	I II DE	-D /O	:6.	m. umah.	or of ho	ttloc)		T					
					AN.	ALYSI	SREC	UIRE	D (5)	респу	numbe	er of bo	lues)					COMME	NTS	
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
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	ENTS: *Dissolved Fe, Mn all P		102																	2- 8 O
SAMPI	ER(S): Galves							C	COURIE	R AND	SHIPPIN	NG NUMB	BER: F	edEx	-	77	02 42	70 3	3830	
	Sano	RELINQUISHED BY:			DATE		TIME							RECEIVE	D BY:				DATE	TIME
Printed	Name and Signature:	101	2 12	1	/			-	rinted	Name a	nd Signa	ture:								
	Galveston B	egase 9/1	Pope	14/	28/7	020	170													
Printed	Name and Signature:	00	7					F	rinted	Name a	nd Signa	iture:								
				ALL CONTRACTOR OF THE PARTY OF																
Printed	Name and Signature:							F	Printed	Name a	nd Signa	ature:								

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	IN.	-OF	-C	US	ТО	DY	RI	ECO	RD)		COC NU	MBER
PROJECT	NAME:	PROJECT NUMBER:	LABORATORY	AME AND CONTAC													COC-02	1-202
Kirtland A	AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	es	17604			ID MAIL F			Aman	da Smith: as	mith@e	eaest.com	EA	YEAR:	2020
				iana i iko Lancas		17001		FAX AN	ID MAIL F	EPORTS	S/EDD TC): Pam	Moss: pr	noss@e	aest.com	EA	QUARTER: 2 (A	pr-Jun)
PROJECT ST106/SS1	SITE AND PHASE: 111		Lab PO Number:	14800				LABCC	NTACT:	Kay How	er k	(ayHow	er@eurofinsU	S.com	Eur	rofins 1 (717) 556-725		
					ANA	ALYSIS	REQU	JIRED ((Specify	/ numb	er of bo	ottles)		_				-
							T	T		T		Tilosy	1	-	Т		COMMENTS	
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	EDB (8260C)	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg) (8011)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		SSMERTS	
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			0/-	36-20			L	4				_						
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OMMENTS	S: *Dissolved Fe, Mn aliqu	ot was field filtered															Manager 1	
AMPLER(S		9															TB202	P- 10
AMPLEK(S	G. Bega	Se .			31,000			COURIE	RANDS	HIPPING	NUMBE	R: Fe	dEv S	132	- 00	1 900	16202	-70
rinted Name	e and Signature:	RELINQUISHED BY:			DATE		TIME						RECEIVED	BY:	25	65 9850	DATE	TIME
Falue	1 7	ye Ille	Bar	4-6	-202	20 1	700	Printed I	Name and	Signatu	e:						DATE	I IIME
rinted Name	e and Signature:	7		110	va			Printed N	Name and	Signatur	e:					C. Company		
										J	_				-			T
inted Name	e and Signature:							Printed N	Name and	Signatur	e:							
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		225 Schiling Circle Suite 400 Hunt Valley MD		С	:HA	III	I-O	F-1	CL	IST	ΓΩΙ	DY	RF	ECOI	RD)				COC NUM		
		Tel No: (410) 584-7000 Fax No. (410) 771-1625					. –												C	OC-022	2-20	2
0.0000000	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL RI	EPORTS	S/EDD TO				eaest.com			YEAR:	20	020	
Facility				lland Pike Lancas		17601		FA	X AND	MAIL RI	PORTS	S/EDD TO				aest.com			QUARTER	2 (Ap	or-Jui	n)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number	14800				LA	B CON	TACT: H	Kay How	er K	ayHow	er@eurofinsU	S.com	Εu	rofins 1 (7	717) 556-725	8			
					AN	ALYS	IS REC	QUIR	ED (S	pecify	numb	er of bo	ttles)									
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMEN	TS		
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COMME	NTS: *Dissolved Fe, Mn alic	wat was field filtered																				
	. TO. Gostived 16, mil die	pact was noted into tea													*					TB202	2- 12	2
SAMPLE	ER(S): J. Messense							C	OURIE	RANDS	HIPPIN	G NUMBE	R: F	edEx 8	513=	7 2	565	9838				
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Printed I	Name and Signature:	iger Ju	1000	7			1100		rinted N	lame an	d Signati	ure:	,	····	******							
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7009 Fax No. (410) 771-1625		C	HA	AIN	-0	F-	CL	JST	OI	DY	RE	ECO	RD)			1	COC NUI	
PROJEC	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	IAME AND CONTAC	r.			le A	VAND	MAIL DO	DODTO	S/EDD TO	. T 1							OC-02	3-202
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Lanc	aster Laboratorie	s			FA	X AND	WAIL R	PORTS	WEDD 10				eaest.com			YEAR:	2	2020
Facility	'		2425 New Hol	land Pike Lancas	ter PA	17601		FA	X AND	MAIL RE	PORTS	S/EDD TO	: Pam M	Moss: pr	noss@e	aest.con	n EA		QUARTER	2 (A	pr-Jun)
PROJEC ST106/S	CT SITE AND PHASE: IS111		Lab PO Number:	14800				LA	B CON	TACT: F	ay How	er K	ayHowe	er@eurofinsU	S.com	E	urofins 1 (7	17) 556-7258			
				2	AN.	ALYSI	SRE	QUIR	ED (S	pecify	numb	er of bo	ttles)		Ī						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMEN	ITS	
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	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																		TB20	2-46
SAMPLE	R(S): A. Messens	aer						CC	OURIEF	RANDS	HIPPING	NUMBE	R: Fe	edEx 7	70	2	539	76	7		
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Printed N	ame and Signature:). (The same	0					inted Na	ame and	Signatu	ire;									
Printed N	ame and Signature:							Pri	inted Na	ame and	Signatu	ire:									

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		225 Schilling Circle Suite 400 Hunt Valley MD		C	HA	IN	-0	F-(CU	SI	OL	ו אכ	化	CO	KL)					COC	-024-2	02
24		Tel No: (410) 584-7000 Fax No. (410) 771-1625	A DODATORY N	AME AND CONTACT				FAX	(AND)	MAIL RE	PORTS/	EDD TO:	Tara La		lamond			EA	7.4	YEAR:		2020)
PROJECT		PROJECT NUMBER: 62599DM01	Furofins Lanc	aster Laboratorie	S						DODTO		Amanda		smith@			EA		QUARTI	ER:	0 () ===	lum)
Kirtland Facility	AFB Bulk Fuels	62353DINIO I	2425 New Holl	and Pike Lancast	er PA	17601		FAX	(AND I	MAIL RE	PORTS	EDD TO:	Pam W	055. }	nnosse	68631.0	OIII					2 (Apr-	Jun)
			Lab PO Number:	14800				LAE	CONT	TACT: K	ay Howe	er Ka	yHower	@eurofins	US.com		Eurofi	ns 1 (717) 556-72	58			
PROJECT ST106/SS	T SITE AND PHASE: S111				ANI	A L \/C	IC DE) IID	ED (S	necify	numbe	er of bot	tles)		T								
				1		ALYS	IS RE	JUIKI	_D (3							T	T			COM	MENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	Carbon Dioxide (SM2320B)	Methane (RSK-175)	(RSK-175)						
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	ENTS: *Dissolved Fe, Mn a	aliquot was field filtered																					
COMMI	ENTS: "Dissolved Fe, IMIT	anquot was note interes																					
																						TB202	- 65
	- A								COURI	ER AND	SHIPPI	NG NUME	ER: F	edEx	-	770	1	426	5	788	2		
SAMPL	ER(S): Nesser	926			DATE		TIF	/C					-		VED BY	:	-					DATE	TIME
	V	V RELINQUISHED BY			DATE		111		Printed	Name a	and Signa	ature:		,							T		
Printed	Name and Signature:		1	11	-20-	207.0	15	30															
		hanger -	In M	7 9	001	~~~	10		Printed	Name	and Sign	ature:											
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	H/	MA	1-C	F-	CL	JS'	ΓΟ	DY	RI	ECO	RI)			COC NUMBER
PROJE	CT NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC														С	OC-025-202
Kirtlan	nd AFB Bulk Fuels	62599DM01	Eurofins Lan	caster Laboratorie	es							S/EDD TO	Aman	da Smith: as		Deaest.com		YEAR:	2020
			2425 New Ho	lland Pike Lancas	ter PA	17601		FA	AX AND	MAIL R	EPORTS	S/EDD TO): Pam	Moss: pr	noss@e	eaest.com	n EA	QUARTER:	2 (Apr-Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number	14800			-	LA	B CON	ITACT:	Kay How	ver k	ayHow	er@eurofinsU	S.com	Et	urofins 1 (717) 556-72	58	,
	1			-	AN	ALYS	IS RE	QUIR	ED (S	Specify	numb	er of bo	ottles)		T			-	
ІТЕМ	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX			Total (As		(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMEN	TS
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4				1 - 0	1														
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COMME	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered																	
SAMPLE								c	DURIER	RANDS	HIPPING	NUMBER	ə.		0.				TB202-26
). Messenge	RELINQUISHED BY:			DATE	-	TIME						Fe	RECEIVED	137	7 2	565 969		
Printed N	lame and Signature:	1	0 - 10			_			inted Na	ame and	Signatur	re:		RECEIVED	BY:				DATE TIME
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- mileu N	ane and Signature:	V		0				Pri	nted Na	ame and	Signatur	re:							
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		****				T		Pri	nted Na	ame and	Signatur	e:							
	Marie Anna Carrier and American State of the Control of the Contro					1							-						

PROJECT SITE AND PHASE: ST106/SS111 Lab PO Number: 14800 LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258 ANALYSIS REQUIRED (Specify number of bottles)	COC-026-202 AR: 2020 JARTER: 2 (Apr-Jun) COMMENTS
Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 FAX AND MAIL REPORTS/EDD TO: Perm Moss: pmoss@eaest.com EA QUA	2020 JARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: Lab PO Number: 14800 Lab CONTACT: Kay Hower KayHower@eurofinsUS.com Ea QUA	2 (Apr-Jun)
ANALYSIS REQUIRED (Specify number of bottles) CCC	OMMENTS
TEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED Total (A.S.P.C.a.K.Na.Na.) Chloride, bromide, sulfate (8250C) (8250C) VOCS VOC	OMMENTS
TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED TOTAL (As, DS, Ca, K, Na, Mg) TOTAL (As, DS, Ca, Ca, Ca, Ca, Ca, Ca, Ca, Ca, Ca, Ca	OMMENTS
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COMMENTS: *Dissolved Fe, Mn aliquot was field filtered	
	TB202-46
SAMPLER(S): Messenger FedEx 7702 1539 7623	
RELINOUISHED BY: DATE TIME RECEIVED BY:	DATE TIME
Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: 14-10-2020 1400	
Printed Name and Signature:	
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 1/	VII V	0	. ,		0.	0	U !	1 1	_001	110				C	OC-02	7-202	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OT NAME:	PROJECT NUMBER:		IAME AND CONTACT				FAX	X AND I	MAIL RE	PORTS	S/EDD TO				eaest.co			YEAR:	2	020	Philippine Service and Associated
Facility	d AFB Bulk Fuels /	62599DM01		aster Laboratorie land Pike Lancas		7601		FAX	X AND I	MAIL RE	PORTS	S/EDD TO				aest.com aest.com			QUARTER		pr-Jun)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LAE	B CONT	ACT: K	ay How	ver K	CayHowe	er@eurofinsU	S.com	E	urofins 1 (717) 556-7258	3		***********	
31100/3	33111				ANA	ALYS	IS REC	QUIRE	ED (S	pecify	numb	er of bo	ottles)		1							
					=					7	-	9	ΙĖ						COMME	NTS		
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane						
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COMME	ENTS: *Dissolved Fe, Mn ali	augt was field filtered								i				l	1	<u></u>						-
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SAMPL	ER(S): . Messe	nger						C	OURIEF	RANDS	HIPPIN	IG NUMBI	ER: F	edEx	770	2	4265	78	382			
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,		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	1 1/-	III	-0	1 -0			O	וכ	1 \ L	-001	()				(COC	-028-20)2
PROJEC	T NAME:	PROJECT NUMBER:		AME AND CONTACT				FAX	(AND	MAIL RE	PORTS	/EDD TO:			_	eaest.cor	n EA EA		YEAR:		2020	
Kirtland Facility	I AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		7601		FAX	(AND	MAIL RE	PORTS	EDD TO:				est.com	EA		QUARTE	R:	2 (Apr-J	un)
PROJEC ST106/S	T SITE AND PHASE:	1	Lab PO Number:	14800				LAE	CONT	TACT: H	ay How	er K	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (7	17) 556-72	58			
51 100/5	5111				AN	ALYSI	SRE	QUIRE	ED (S	pecify	numb	er of bo	ttles)									
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) ED8	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			СОММЕ	ENTS		
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6	alredon B	egage	MASSE	- 4-1	0-2	000	190		rinted I	Name ar	nd Signa	iture:										
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			3 72 72330 72	VII A	0					וכ	IXL	_00	IND	,				C	OC-	029-2	02
PROJEC	T NAME: I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT				FA	X AND	MAIL R	PORTS	EDD TO			amond@ smith@e			A		YEAR:		2020)
Facility		02333DNI01		land Pike Lancas		7601		FA	X AND	MAIL R	EPORTS	EDD TO			moss@e			A		QUARTER	2	(Apr-J	
PROJEC ST106/S	T SITE AND PHASE:		Lab PO Number:	14800				LA	B CON.	TACT: I	(ay How	er h	KayHowe	er@eurofinst	JS.com	Е	urofins	1 (717)	556-7258				
					ANA	LYSIS	SRE	QUIR	ED (S	pecify	numb	er of bo	ottles)		1								
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZSZUB) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				COMMEN	VTS		
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COMME	ITS: *Dissolved Fe, Mn aliq	uot was field filtered																			TB	202- /	10
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		225 Schiling Circle Suite 400 Hunt Valley MD		0	ΉΔ	IN.	0	F_(CL	IS1		٦Y	RF	ECO	RD)			CC	C NUMB	ER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		0	/ I 1/	MILA	01	,	00		0.	٠,		_00	110				CO	C-030-	202
	T NAME:	PROJECT NUMBER: 62599DM01		AME AND CONTACT				FA	X AND I	MAIL RE	PORTS	/EDD TO:				eaest.com		YEA	kR:	202	20
Facility	d AFB Bulk Fuels /	62539DIWIU I		land Pike Lancas		7601		FA	X AND I	MAIL RE	PORTS	/EDD TO:				aest.com		QUA	ARTER:	2 (Apr	-Jun)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LA	B CONT	FACT: F	ay How	er K	ayHowe	er@eurofinsU	S.com	Eu	rofins 1 (717) 556	6-7258			
					ANA	ALYSIS	REC	UIR	ED (S	pecify	numb	er of bo	ttles)								
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C)	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3Z0B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		CC	OMMENTS		j.
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PROJEC	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	T·			EAY	AMD MAI	I PEDO	DTC/ED	D TO: Tor	ra Lamond:	tloor	and@	eaest, co		VEAD	COC-	031-2	.02
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratori	es			FAX	AND WAI	L REPU	K 15/EU		anda Smith:		_	est.com		YEAR:		2020)
Facility	y 		2425 New Hol	land Pike Lancas	ter PA	17601		FAX	AND MAI	L REPO	RTS/ED	D TO: Par	m Moss:	pmos	ss@ea	est.com	EA	QUART	ER: 2	(Apr-J	lun)
PROJECT ST 106/S	CT SITE AND PHASE: SS111		Lab PO Number.	14800				LAB	CONTAC	T: Kay I	Hower	KayHo	ower@eurof	nsUS.c	com	Eu	rofins 1 (717) 556-72	58			
					AN.	ALYSIS	REQU	UIRE	D (Spec	cify nu	mber c	of bottle	s)			-			****		
ITEM	SAMPLE I	, DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C)	Total (As,Pb,Ca,K,Na,Mg) (8011) EDB		(6010C)	Nitrate-Nitrite (300.0)	(Total, Carbonate, and Bicarbonate) (353.2)	(SM2320B)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMM	MENTS		
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SAMPLI	ER(S): G Bege	/						CO	URIER AN	ND SHIP	PING NU	JMBER:	FedEx	8	15	5	2829 7	-878	3		
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E-4-31

Tel No. (410) SBA2-7000 PROJECT NAME: PROJECT NUMBER: LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 PROJECT SITE AND PHASE: THOOPS 111 Lab PO Number: 14800 ANALYSIS REQUIRED (Specify number of bottles) COC. 032-202 FAX AND MAIL REPORTS/EDD TO: Tare Lamond: Amanda Smith: Samith@eaest.com EA QUARTER: Q (Apr-Jun) ANALYSIS REQUIRED (Specify number of bottles) COC. 032-202 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: THOOPS 111 ANALYSIS REQUIRED (Specify number of bottles)		0	225 Schiling Circle Suite 400 Hunt Valley MD																								
ASSESSMENT ASS			Tel No: (410) 584-7000		C	;H/	111	1-O	 - -	CL	JS	O	DY	RI	EC	O F	RD)									
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GW032-202 OY-08-2-20 RELINDUISHED BY: DATE TIME RECEIVED BY: DATE RECEIVED BY: DATE TIME RECEIVED BY: DATE RECEIVED BY: DATE RECEIVED BY: DATE RECEIVED BY: D	ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of					Total		Chloride,		(Total, Carbonate, Bicarbonate)	(SM2320B)	(RSK-175) Carbon Dioxide	Methane	(RSK-175)				C	OMMEN	TS		
3 4 4 5 6 6 COURIER AND SHIPPING NUMBER: FedEx 8137 2565 9621 RELINDUISHED BY: DATE TIME RECEIVED BY: DATE TIME TRADE OF BLANCE BLANC	1	GW032	2-202	14-08-2020	0830	15				6	3	3*		1	1					Plea	se see	Com	ments	for requ	ested M	S/MSD	analyte
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OMMENTS: 'Dissolved Fe, Mn aliquot was field filtered Please run MS/MSD on the following analytes only: VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe TB202-33 AMPLER(S): RELINOUISHED BY: DATE TIME COURIER AND SHIPPING NUMBER: FedEx S137 2565 9621 Tinted Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	3																		_							-	
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Gawe for Begage 2/33 4-8-200 (700 inted Name and Signature: Printed Name and Signature:	MINIPLE	G-Bega	y-e						CC	URIER	AND SI	HPPING	NUMBE	R: Fe	edEx	8	13	7	25		5	9	62	l .			->
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Table: (HIS 68-10-1000 Face of HIS 1771-1000		000			-						-	107	\bigcirc	_		417	111/			225 Schiling Circle Suite 400 Hunt Valley MD	· ·	
Kirtland AFB Bully Fuels Facility Facil		COC NUMB				RD	OF	EC(KI	ŊΥ	O	15	CL) 	1-C	111	JH/			Tel No: (410) 584-7000		
Find	133-202	COC-033		-					. T 1	VEDD TO	DODTO	MAII DI	X AND	E	_		T:	NAME AND CONTAC	LABORATORY N	PROJECT NUMBER:	T NAME:	PROJEC
### 2455 New Holland Pike Lancaster PA 17601 #### PROJECT SITE AND PHASE: Uab PO Number: 14800 #### ANALYSIS REQUIRED (Specify number of bottles) #### ANALYSIS REQUIRED (Specify number of bottles) ###################################	2020	YEAR: 20									PURIS	WAIL KE	N AND	- 1						62599DM01		
ANALYSIS REQUIRED (Specify number of bottles)		OLIARTED:						Moss:	: Pam	EDD TO	PORTS	MAIL RE	X AND	F		17601						Facility
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TEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECT				-					ttles)	er of bo	numbe	pecity	ED (S	QUIF	IO KE	ALIS	AIV	T				
GW033-202		COMMENTS			(RSK-175) Methane	(RSK-175) Carbon Dioxide	(SM2320B) Alkalinity	Carbonate, icarbonate)	(353.2) Nitrate-Nitrite	(300.0) Chloride, bromide, sulfate	(6010C) Dissolved Fe, Mn	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(8011) EDB	(8260C) BTEXN	(8260C) BTEX	(8260C) VOCs	Total Number of Bottles	TIME COLLECTED	DATE COLLECTED	DENTIFIER C	SAMPLE ID	ITEM
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	יחר	1111	I-O	Γ-		15	101	JΥ	K	ECO	K L)			C-034-2	
1	CT NAME:	PROJECT NUMBER:	LABORATORY I	NAME AND CONTAC	T:			FA	X AND	MAIL R	EPORTS	/EDD TO	: Tara L	amond: tla	mond@	eaest.co	m EA	YEAR:		
Kirtlar	id AFB Bulk Fuels v	62599DM01		aster Laboratorie land Pike Lancas		7604		-	VAND	****	FRORTO			da Smith: as	mith@e	aest.com	EA		2020)
			2425 New 110	iand Fike Lancas	ILEI FA I	7001		1	AND	WAILR	EPORTS	/EDD TO	: Pam	Moss: pn	noss@e	aest.com	EA	QUARTER:	2 (Apr-J	Jun)
PROJE	CT SITE AND PHASE:		Lab PO Number	14800				LA	BCON	TACT:	Kay How	er K	ayHow	er@eurofinsU	S.com	Eu	rofins 1 (717) 556-725	18	-	
B 1 100M					ANI	N VS	IS DEC	JUID	ED (C	nonif	numb	er of bo	41>							
			T	l .		AL IO	IONE	ZOIN			numb		mes)	1				COMMENTS		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
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		225 Schiling Circle Suite																000 11111050
		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	IIV	I-O	F-	CL	IST	O	DY RE	ECO	RD	1			OC-035-202
PROJECT	NAME:	PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	:			FA	X AND	MAIL RE	PORTS	S/EDD TO: Tara L	amond: tla	mond@	eaest.co	om EA	YEAR:	
	AFB Bulk Fuels	62599DM01		aster Laboratorie									a Smith: as					2020
Facility				land Pike Lancast	erPA	17601		FA	X AND	MAIL RE	EPORTS	S/EDD TO: Pam 1	Moss: pm	noss@e	aest.com	n EA	QUARTER:	2 (Apr-Jun)
PROJECT ST106/SS	SITE AND PHASE: 111		Lab PO Number:	14800				LA	B CON	TACT: F	(ay How	er KayHowe	r@eurofinsUS	S.com	Е	urofins 1 (717) 556-	-7258	
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bottles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(353.2) Nitrate-Nitrite (300.0) Chloride, bromide, sulfate	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMEN	TS
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	III	I-O	F-(CU	S	Ol	YC	RE	ECO	RD)				OC NUMBER
PROJECT N	AME:	PROJECT NUMBER:	LABORATORY N	NAME AND CONTACT	ī:			FA	X AND I	MAIL RE	PORTS	/EDD TO	Tara I	amond: tls	amond@) paget c	om EA		EAR:	C-036-202
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			2425 New Hol	lland Pike Lancas	ter PA	17601		FA	X AND I	MAIL RE	PORTS	/EDD TO	: Pam 1	Moss: pr	noss@e	aest.cor	m EA	Q	UARTER:	2 (Apr-Jun)
PROJECT S ST106/SS11	ITE AND PHASE: 1		Lab PO Number:	14800 ·				LAI	B CONT	ACT: K	ay How	er K	ayHowe	er@eurofinsU	S.com	Е	urofins 1 (717) 556-7258		
					AN	ALYS	IS REC	QUIRE	ED (Sp	pecify	numbe	er of bo	ttles)		I					
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitri	(SM2320B) Alkalinity (Total, Carbonate, a Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENTS	
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6																				
OMMENTS	*Dissolved Fe, Mn aliqu	uot was field filtered																		
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AMPLER(S	6-Began							cc	OURIER	AND SI	HIPPING	NUMBE	R: Fe	edEx 8	137	7 (2565	961	43	
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	CT NAME:	PROJECT NUMBER:		NAME AND CONTAC				FA	AX AND	MAIL R	EPORTS	S/EDD TO	: Tara L	amond: ti	amond@	eaest.c	om EA		-	EAR:		
Facility		62599DM01		aster Laboratorie land Pike Lancas		17601	ı	F.A	AX AND	MAII R	FPORTS	S/EDD TO				eaest.com					20	020
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ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	AB CON	ITACT:	Kay How	er K	ayHowe	er@eurofins(JS.com	E	urofins	1 (717) 55	66-7258			
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C)	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane						
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я																					TB202	-37
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0		egane &	hl fre	4-8	-20	20	1700															
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	III	-0	 (JU	51	OL	DY R	C	JUr	(D				COC-	038-2	02
PROJEC*	T NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX	(AND N	VIAIL RE	PORTS	EDD TO: Tar			_	eaest.co	m EA EA	YEAR:		2020	
	AFB Bulk Fuels	62599DM01	Eurofins Lanc 2425 New Holl	aster Laboratorie land Pike Lancas	s ter PA 1	7601		FAX	X AND I	MAIL RE	PORTS	Ama /EDD TO: Par	anda Sm m Moss:	-		est.com		QUAR*	TER:	2 (Apr-J	un)
PROJEC	T SITE AND PHASE:		Lab PO Number:	14800				LAE	B CONT	ACT: K	ay Howe	er KayH	ower@e	urofinsUS	.com	Eu	rofins 1 (717) 55	3-7258			
ST106/S					ANA	ALYSI	SREC	OUIRE	ED (Si	pecify	numbe	er of bottle	es)								
														_				COM	MENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Nitrate-Nitrite (300.0) Chloride, bromide, sulfate	(353.2)	(SM2320B) Alkalinity (Total, Carbonate, and	(RSK-175) Carbon Dioxide	(RSK-175) Methane		*			
1	GW03	0.000	4-22-2020	1147	24	4 descriptions	_	9	6	3	3*	1	1	1	_	-	Please see C	omments for	r requeste	d MS/MSE	analytes
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3					-1	1							+			-					
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COMME	ENTS: *Dissolved Fe, Mn a	liquot was field filtered						to the second													
Plea	se run MS/MSE	on the following I, EDB, Total As	analytes only: and Pb, and di	ssolved Mn a	nd Fe)															
		pump: 180	78-752	-																B202-	70
SAMPL	A							0	COURIE	RAND	SHIPPIN	NG NUMBER	Fed	dEx [770	72	4267 5	5149			
	J. 100 8	RELINQUISHED BY:			DATE		TIM						F	RECEIVE	D BY:				DA	TE	TIME
Printed	Name and Signature:		11-11			2			Printed	Name a	nd Signa	iture:									
	Joshua Mes.	senger	In M	-g 4-1	22-20	020	17	50			101										
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		400 Hunt Valley MD Tel No: (410) 584-7000		С	HA	AIL	1-0	F-	CL	IST	[OI	YC	RF	ECO	RL)			(COC NUMB	ER
PROJECT		Fax No. (410) 771-1625						•		, 0	. 0	١ ر	IXL	_00	1 \ L	,			C	OC-039-	202
	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND	MAIL RI	EPORTS	/EDD TO				geaest.cor			YEAR:	202	
Facility			2425 New Hol	land Pike Lancast	er PA	17601		FA	X AND I	MAIL RI	PORTS	/EDD TO				eaest.com	EA EA		QUARTER:		
PROJECT	SITE AND PHASE:		I at DO Mark	11000															GOTHTI ETT.	2 (Apr	-Jun)
ST106/SS1	111		Lab PO Number:	14800				LA	B CONT	ACT: F	Kay How	er K	ayHowe	er@eurofinsL	S.com	Eur	rofins 1 (717)	556-7258			
					AN.	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bo	ttles)								
ITEM	SAMPLE ID	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs		BTEXN		(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)		(300.0) Chloride, bromide, sulfate		(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	¥	Avenillo (a	COMMENT	S	
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AMPLER(S	S. *Dissolved Fe, Mn aliqu		Oump: 181	7B - 752	-							<05 50 50 50 50 50 50 50 50 50 50 50 50 5		×						TB202-	72
AMPLEK(S	J. Messengi	F						CC	URIER	AND SH	HIPPING	NUMBER	R: Fe	dEv	771	1)	4268	99	70		100
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	:HA	IN-	OF	C	CUS	T	OE	ΣY	RE	ECO	RD)				COC NUMBI	
PROJEC	OT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	JAME AND CONTACT	Τ.			EΔΥ	AND MAII	DED	OPTS	END TO:	Taral	amond: tle	mond@	Annort or	om EA		/EAR:	OC-040-	202
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	s								Amand	a Smith: as	mith@e		n EA			202	0
Facility	,		2425 New Hol	land Pike Lancas	ter PA 1	17601		FAX	AND MAI	REPO	ORTS/E	EDD TO:	Pam N	Moss: pn	noss@e	aest.con	n EA	C	QUARTER:	2 (Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LAB	CONTAC	Г: Кау	y Hower	K	ayHowe	er@eurofinsU	S.com	E	urofins 1 (717)	556-7258			
		,			ANA	ALYSIS	REQU	JIREI	D (Spec	ify n	umbe	r of bo	ttles)								
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C)	(8260C)	Total (As,Pb,Ca,K,Na,Mg) (8011) EDB	(6020A/6010C)	(6010C) Dissolved Fe. Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMEN	TS	
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СОММЕ	NTS: *Dissolved Fe, Mn alic	uot was field filtered												l			,				
		pump:	18078-7	53										*						TB202-	75
SAMPLE	ER(S): J., Messen	90(COL	JRIER AN	D SHI	IPPING	NUMBE	R: Fe	edEx	77	02	4269	042	25		
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	Joshua Messe	1906	711	4.7	3-20	20 1	732	_	, sa Haine	unu 3	Jigi iaidi	·.			-						
Printed f	Name and Signature:	The Am		100	, , ,		. / -		ted Name	and S	Signatur	e:					Annual Control				
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		225 Schilling Circle Suite		0	LIA	IAI		_ /	211	CT	-01	N/	DE	200	חכ				CC	C NUMBE	ER
		400 Hunt Valley MD Tel No: (410) 584-7000			HA	III	-0	F-(JU	101	OL	ľ	KE	COF	\D				CO	C-041-2	202
PROJEC	T NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	:			FAX	(AND I	MAIL RE	PORTS	EDD TO:			_	eaest.co		YE	AR:	202	0
NA ALE DONNERS	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		7601		FAX	K AND I	MAIL RE	PORTS	EDD TO:	Amanda Pam N			aest.com aest.com	EA EA	QL	JARTER:	2 (Apr-	Jun)
PROJEC	CT SITE AND PHASE:		Lab PO Number:	14800				LAE	3 CONT	TACT: K	ay Howe	er K	ayHowe	r@eurofinsU	S.com	Ęu	rofins 1 (717) 5	556-7258			
ST106/S					AN	ALYSI	SREC	OUIRE	ED (S	necify	numbe	er of bo	ttles)		i						
																		(COMMENTS		
ITEM	GW041-202 49-2020 1241 7 - 2 1 1* 1 1 1																				
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COMME	ENTS: *Dissolved Fe, Mn al	iquot was field filtered												7						TB202-	-35
SAMPL	ER(S): T. Mesc	enha.C							COURIE	R AND	SHIPPIN	IG NUMB	BER: F			7 2	565 9	610			
	2.7 029	REDINQUISHED BY:			DATE		TIM		Printed I	Name o	nd Signa	ture:		RECEIVE	D BY:					DATE	TIME
Printed	J. Messeve	- 10.	MI -	- J 42	9-20	20	1700	-	milea	ranic di	id Oigild										
Printed	Name and Signature:	es you	7,000	X	1 20		.,-		rinted	Name a	nd Signa	ture:									1
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	IIV	-Of	(٠٠,	51	UL	ו זינ	\ _	COI	70						-042-20)2
ROJECT I	NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT:				FAX	(AND M	AIL REI	PORTS/E	DD TO: 1			mond@e				YEAR:		2020	
	AFB Bulk Fuels	62599DM01		aster Laboratories and Pike Lancaste		7601		FAX	(AND M	AIL REI	PORTS/E	DD TO: F	manda Pam M		mith@ea noss@ea				QUAR	TER:	2 (Apr-Ju	ın)
ROJECT :	SITE AND PHASE:		Lab PO Number.	14800				LAE	CONTA	ACT: K	ay Hower	Ka	yHower	@eurofinsU	S.com	Eu	rofins 1 (717) 556-7	258			
T106/SS1	111			T	ANA	ALYS!	SREQ	UIRE	ED (Sp	ecify i	number	r of bott	tles)		1							
-			1			12.70											,		COM	MENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) . Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	. N		u.			
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OMMEN	NTS: *Dissolved Fe, Mn a	anquot was neio intereu																				
														,1º							TB202-	35
SAMPLEE	R(S): T Macc	2-005		. s*			3		COURIE	R AND S	SHIPPING	G NUMBE	ER: F	edEx 2	313'	7 3	2565	. 96	ś10			
SAMPLE	R(S): J. Mess	RBLINQUISHED BY:			DATE		TIME						ER: F	edEx 2	313'	7 3	2565	. 96	ś10		TB202-	
	lame and Signature:	REPLINQUISHED BY:		<u> </u>		20	SUS				6HIPPINe d Signati		ER: F	edEx 2	313 ¹	7 3	2565	96	610			
Printed N	IR(S): J. Mess Name and Signature: J. Messen Name and Signature:	- A	h M	4-6		20		T	Printed N	lame an		ure:	ER: F	edEx 2	313'	7 3	<u> </u>	96	610			35
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		, ,	/ 1/	1111	1-O	1 -		00	ı Oı	ז כ	L/I		τ D						CC	OC-043	3-202	
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	/EDD TO			mond@					YEA			020	
Facility				land Pike Lancas		17601		FA	X AND	MAIL R	EPORTS	/EDD TO			mith@e noss@e					QU	ARTER:		or-Jun))
PROJECT ST106/S	CT SITE AND PHASE:		Lab PO Number	14800				LA	B CON	TACT: I	Kay Howe	er K	ayHowe	er@eurofinsUS	S.com	E	urofins	1 (717) 556-72	258				
					AN	ALYS	IS RE	QUIRI	ED (S	pecify	numbe	er of bo	ttles)		1									
			28						ļ		-		1							C	DMMENT	S		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane								
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COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered						٠.																
SAMPLE	R(S):							lcc	OURIER	RANDS	HIPPING	NUMBE	R.									TB202	-38	,
	J- Messen	RELINQUISHED BY:			DATE		TIME						F	edEx 🖔	37	1	56	5	15	84	.,			
Printed N	ame and Signature:	11-	- A A					Pr	inted N	ame and	Signatu	re:		KECEIVED	BY:							DATE	Ti	ME
	Joshua Messenger	Achin	YV	4-	9-20	20	170	0																1
Printed N	ame and Signature: V			0					inted N	ame and	Signatu	re:												
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	/1 1/	1114	O	,		, , ,		<i>7</i> 1	1	-001	10			CC	C-044-202
PROJECT Kirtland	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC			ennochtugh Wilham	FAX	X AND MA	L REPO	ORTS/E	EDD TO: T				eaest.com		YEAR:	2020
Facility			2425 New Hol	land Pike Lancas	ter PA 1	7601		FAX	X AND MA	L REPO	ORTS/E	EDD TO: P	am M	loss: pm	noss@e	aest.con	n EA	QUARTER:	2 (Apr-Jun)
PROJECT ST106/SS	SITE AND PHASE:		Lab PO Number:	14800				LAE	B CONTAC	T: Kay	Hower	r Kayl	Hower	r@eurofinsUS	3.com	E	urofins 1 (717) 556-72	258	
					ANA	ALYSIS	SREQ	UIRE	ED (Spe	cify nu	umbe	r of bottl	es)						
ITEM	SAMPLE II	DENTIFIER .	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) (BDB	Dissolved Fe, Mn (6020A/6010C)	(6010C)	(300.0) Chloride, bromide, sulfate	(353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENT	S
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COMMEND	TS: *Dissolved Fe, Mn aliq														L				
																			TB202-66
SAMPLER	(S): Meye	nger		***************************************			-	cc	OURIER A	ID SHIP	PPING	NUMBER:	Fe	edEx	77	02	4265	7974	
Printed Na	me and Signature:	RELINQUISHED BY:			DATE		TIME			1.0.				RECEIVED	BY:		1000		DATE TIME
	1	lessenger)	1 -1	, - 4-2	0-202	0 1	1530		inted Name	and Sig	gnature	9:							
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 1/-	1114	-0	1 -	00.	O I	OL	71	1 / 1	_001					C	OC-045-	202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND M	AIL RE	PORTS					eaest.com			YEAR:	202	:0
Facility				land Pike Lancast		17601		FA	X AND M	AIL RE	PORTS					aest.con			QUARTER	2 (Apr-	Jun)
PROJECT ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	B CONTA	CT: K	ay Howe	r Ka	yHowe	er@eurofinsU	S.com	E	urofins 1 (717) 556-72	58		
					ANA	ALYSI	SREC	QUIRI	ED (Spe	ecify	numbe	er of bot	tles)								
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMEN	VTS	
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СОММЕ	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																-			
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SAMPLE	R(S):							lo	OURIER A	AND S	HIPPING	NUMBER	2.		1/0	12	72	/ .	2000	TB202-	76
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	HΑ	IN	-O	 (JU	51	OL	JΥ	KE	COI	ベ レ			CC	C-046-20	02
		Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:	-		FAX	(AND N	AAIL RE	PORTS/	EDD TO:	Tara La			eaest.co		YEAR:	2020	
PROJECT Kirtland Facility	AFB Bulk Fuels	62599DM01	Furofins Lanc	aster Laboratories and Pike Lancast	s	7601		FAX	(AND N	AAIL RE	PORTS/	EDD TO	Amanda Pam M			aest.com aest.com		QUARTER:	2 (Apr-J	un)
	- A.W.S. LUID DULAGE.		Lab PO Number:	14800				LAE	CONT	ACT: K	ay Howe	er K	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (717) 556-	7258		
PROJEC ST106/S	T SITE AND PHASE: S111				ANI	N VSI	SPEC	THRE	ED (Si	necify	numbe	er of bo	ttles)							
			1				O ILL	20				122						COMMENT	S	
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		-		
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	ENTS: *Dissolved Fe, Mn a	aliquot was field filtered																		
COMMI	ENTS: Dissolved Fe, Will a	alquot was note into so																		
																			TB202-	72
041401	LER(S):	. 11							COURI	ER AND	SHIPPII	NG NUM	BER:	FedEx	770	00	42689	99'70		
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	ПА	III	-0			101	OL	JY	I, E		ער				COC-0	147-202
PROJEC	NAME:	PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	Γ:			FA	X AND	MAIL RE	PORTS	EDD TO:				eaest.cor	n EA EA	YEAR:	-	2020
Kirtland Facility	AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		7601		FA	X AND	MAIL RE	PORTS	EDD TO:	-			est.com		QUARTE	R: 2	(Apr-Jun)
PROJECT	T SITE AND PHASE:		Lab PO Number.	14800				LAI	B CON	TACT: K	ay Howe	er K	ayHowe	er@eurofinsUS	S.com	Eu	rofins 1 (717) 55	6-7258		
51100/3	5111				ANA	LYSI	SRE	QUIRE	ED (S	pecify	numbe	er of bo	ttles)							
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMI	ENTS	•
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COMME	NTS: *Dissolved Fe, Mn ali	iquot was field filtered											1			1				
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SAMPLE	R(S):	Stenger						C	COURIE	R AND	SHIPPIN	IG NUMBI	ER: F	edEx	77	02	6243	056		
	9	RELINQUISHED BY:			DATE		TIM		Printed t	Name ar	d Signal	hire.		RECEIVE	D BY:				DATE	TIME
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		/	V	0														A CONTRACTOR		
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	- 0	225 Schiling Circle Suite 400 Hunt Valley MD			· LL /	11/		С	CI	10-		nv	DI	ECOI		١			COC NUMBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	1 1/-	\ 111	1 -O	-		00	101	וע	Γ		∇L	,		C	OC-048-202
Kirtlan	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT	s			FA	AX AND	MAIL R	EPORTS	/EDD TO				eaest.con		YEAR:	2020
Facility	,		2425 New Hol	land Pike Lancas	ter PA	17601		FA	AX AND	MAILR	EPORTS	/EDD TO	: Pam	Moss: pm	noss@e	aest.con	n EA	QUARTER:	2 (Apr-Jun)
PROJEC ST106/S	CT SITE AND PHASE: S111	1	Lab PO Number:	14800				LA	AB CON	TACT: I	Kay How	er K	KayHow	er@eurofinsUS	S.com	E	urofins 1 (717) 556-	7258	
					AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENT	rs
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СОММЕ	NTS: *Dissolved Fe, Mn aliqu		~	4															
	Pump =	N: 1807B	-952	752													<i>‡</i>		TB202- 82
SAMPLE	R(S): D. Sch.	reelk						C	OURIER	RANDS	HIPPING	NUMBE	R: Fe	edEx 7	70	2	4270	4311	0
Printed N	ame and Signature:	RELINQUISHED BY:			DATE		TIME	P	rinted N	ama anc	l Signatu	ro.		RECEIVED	BY:	-			DATE TIME
	D. Schnee	1/6 Coffee	5	4-7	19-22	020	1610	-	TIRCO TY	uma and	Joignatu								
Printed N	ame and Signature:	1							rinted N	ame and	Signatu	re:							
Drinted N	ame and Signature:	<i></i>								-	Artino compression al square	-							
I IIIIed N	ame and Signature.	**************************************						Pi	rinted Na	ame and	Signatu	re:							



PROJECT NUMBER: LABORATORY NAME AND CONTACT: FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA YEAR:			225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625			CH	411	V-C	F-	CL	JS	ТО	DY	RE	ECO	RI)			C	OC NUM	BER
Filtred Progression Prog	PROJEC	T NAME:		LABORATORY																CC	DC-049	-202
PROJECT STE AND PHASE: Lab PO Number: 14800 ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLL	Kirtland Facility	AFB Bulk Fuels		Eurofins Lan	caster Laboratori	es	17601	ı					1	Amano	da Smith: as	mith@e	aest.com	EA		-	20	020
TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTE	DDO IFO	T CITE AND DIVIS								V AND	MINICI	EFORIS	וייו ממשוני	Pam I	Moss: pr	noss@e	aest.com	EA		QUARTER:	2 (Ap	r-Jun)
ANALYSIS REQUIRED (Specify number of bottles) THEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC	ST106/SS	S111		Lab PO Number	: 14800				LA	AB CON	TACT:	Kay How	er Ka	yHowe	er@eurofinsU	S.com	Eu	rofins 1 (717	7) 556-7258			
TITEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC						I AN	JAI YS	SIS RE	OUID	ED (S	Pooif	numah		(I \					,			
TEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECT									QUIN			HUITIDE		iles)		-						
GW049-202 4-9-2020 1046 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		SAMPLE II	DENTIFIER .	DATE COLLECTED	TIME COLLECTED	Number of		(8260C) BTEX	(8260C) BTEXN	(8011) EDB		(6010C) Dissolved Fe, Mn	(300.0) bromide,	(353.2) Nitrate-Nitrite	SM2320B) Alkalinity Carbonate, icarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENTS	5	
TB202-38 AMPLERIS): JM2582029-1 RELIGIBILISHED BY: DATE TIME TIME RECEIVED BY: DATE TIME THOSE Name and Signature: Printed Name and Signature: Printed Name and Signature:		GW049	-202	1046	7				2	1	1*	1	1	1								
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AMPLER(S): J. Messenger RELIMBUISHED BY: DATE TIME RECEIVED BY: DATE TIME Finded Name and Signature: Printed Name and Signature:	6											-		_								
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COURIER AND SHIPPING NUMBER: FedEx 3137 2565 958 4 Inted Name and Signature: T.Messeuger Inted Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	AMPLER(S):																181			TB202-	.38
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T. Messeuger 4-9-2020 1700 Printed Name and Signature: Printed Name and Signature:	rinted Nan	ne and Signature:	RELICOUISHED BY:		DATE		TIME						-	RECEIVED F	<u>リ</u> /	2	65	172	1	DATE	TIME	
Printed Name and Signature:	J.	Messenger	liha	May	4.9	-202	20 1	7.90		nted Na	me and	Signature	9:								MIE	TIME
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	· ·	225 Schiling Orcle Suite 400 Hunt Valley MD		C	НΔ	INI	-0	F-(CI	197		٦V	RF	ECOI	RD	`		CO	OC NUMBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625				\111 A	0								טוו	ŝ		CC	C-050-202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	_	AME AND CONTACT				FA	X AND	MAIL RE	PORTS	/EDD TO				eaest.com		YEAR:	2020
Facility				land Pike Lancast		17601		FA	X AND	MAIL RE	PORTS	/EDD TO				aest.com		QUARTER:	2 (Apr-Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LAI	B CON	TACT: F	Kay How	er K	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (717) 556-72	58	
					ANA	ALYSI	SREC	QUIR	ED (S	pecify	numbe	er of bo	ttles)						
ITEM	SAMPLE IC	DENTIFIER (DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
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	NTS: *Dissolved Fe, Mn aliq																		
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SAMPLE	R(S): J. Messer	nec						C	DURIER	RANDS	HIPPING	NUMBE	R: F	edEx 8	137	25	565 95	35	
Printed N	Name and Signature:	RELINQUISHED BY:			DATE		TIME		inted N		. 01			RECEIVED					DATE TIME
J.	Messenger	Im M	~	- 4-9	1-20%	20 1	708		inted N	ame and	l Signatu	re:							
Printed N	Name and Signature	- O	٥			$\overline{}$		Pr	inted N	ame and	Signatu	re:							
Printed N	Name and Signature:							Pr	inted N	ame and	I Signatu	re:							
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	*	225 Schiling Circle Suite 400 Hunt Valley MD			HΔ	IN	-0	F-(CLI	ST		NΥ	RF	COI	RD)			COC	NUMBE	R
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		_	1 17	4	_			0 1	0.	٠.		-001					COC-	051-2	02
PROJEC		PROJECT NUMBER:		AME AND CONTAC				FA	X AND I	MAIL RE	PORTS	/EDD TO			mond@			YEAR:		2020)
Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancas		7601		FA	X AND I	MAIL RE	PORTS	/EDD TO			mith@e: noss@e			QUAR	TER:	2 (Apr-J	lun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800							ay How			r@eurofinsU	S.com	Eu	rofins 1 (717) 556-	7258			
					AN.	ALYS	IS RE	QUIRI	ED (S	pecify	numb	er of bo	ttles)			,					
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) , Methane		COM	IMENTS		
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SAMPLE	Mexenger							C	OURIER	R AND S	HIPPIN	G NUMB	ER: F	edEx 🤻	317	7	7565 9	595			
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Drintor *	Name and Signature:								rinted N	200 500	d Signat	uro:								1	
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	- As	225 Schiling Circle Suite 400 Hunt Valley MD													8						
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	;H/	111	1-C) -	CL	JS	ГО	DY	RI	ECO	RD)				OC NUME	
PROJECT		PROJECT NUMBER:	LABORATORY	NAME AND CONTACT	T:			F	YAND	MAII D	CDODIC	S/EDD TO	-						CO	C-052-	-202
(irtland / acility	AFB Bulk Fuels	62599DM01	Eurofins Lan	caster Laboratorie	s			'	MAND	WAIL R	EPORTS	או עטאא				eaest.com		YI	EAR:	20	20
acinty			2425 New Ho	lland Pike Lancas	ter PA	17601		FA	X AND	MAIL R	EPORTS	S/EDD TO): Pam			aest.com		Q	UARTER:		
ROJECT	SITE AND PHASE:		Lab PO Number	: 14800			-	LA	B CON	TACT: I	Kay How	er k	CavHow	er@eurofinsU	IS com	Eu	rofins 1 (717) 5			2 (Apr	-Jun)
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					D 33			Q O II (pecity	Turno		1		-	1					
тем	SAMPLE II			TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		(COMMENTS		
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MPLER(S	" A. Messenger							CO	IIRIER	AND SL	IIDDING	NUMBER							Т	B202-	25
	4.11 162 56 VAGO	RELINQUISHED BY:			ATC				OTTILITY	AND SI	IIFFING	NOMBER	Fe	edEx 🖇	13	7 2	2565	970	02		
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4-4 11-	Joshua Messe	nger In	M	V 4-8-	202	0 1	700				31 14 (41)										
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ted Name	and Signature:																				
	and Signature.					_		Prin	ited Nar	ne and S	Signature	9:									

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	11/	1-C	F-	CL	JS	ΓΟ	DY	RI	ECO	RD)				C NUME	
PROJECT	NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTACT															CO	C-053-	-202
Kirtland	AFB Bulk Fuels	62599DM01		caster Laboratorie				FA	X AND	MAILR	EPORT	S/EDD TO				eaest.co		YEA			
Facility			2425 New Hol	land Pike Lancas	ter PA	17601		FA	XAND	MAII R	EPOPT	S/EDD TO	Aman	da Smith: as		aest.con				20:	20
PROJECT	SITE AND PHASE:		Lab PO Number							TACT: I						eaest.con			ARTER:	2 (Apr	-Jun)
ST106/SS	111													er@eurofinsU	S.com	E	urofins 1 (717) 556	6-7258			
					AN	ALYS	IS RE	QUIR	ED (S	Specify	numb	er of bo	ottles)		T						
ITEM	SAMPLE IC	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		cc	DMMENTS		
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OMMENT	S: *Dissolved Fe, Mn aliqu	ot was field filtered																			
	A	e e												×					-	B202-	7 (
AMPLER(S): 1. Messenge	_						co	URIER	AND SH	HIPPING	NUMBE	R: _	9	:01	2 0				B2U2-	23
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rinted Nan	ne and Signature:	A (AIC		TIME	Pri	nted Na	me and	Signatur	.e.		RECEIVED I	BY:				DA	TE	TIME
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C	OC NUMBER	
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625			CHA	VIN	I-C	F-	CU	JS-	ΓΩ	DY	RI	ECO	RI)			COC NUN	MBER
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC											1 1 1	,		(COC-054	4-202
Kirtland Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lan	name and contac caster Laboratori lland Pike Lancas	es	17601						S/EDD TO	Aman	da Smith: as	smith@e	Deaest.cor	m EA	YEAR:	2	020
PROJEC	T SITE AND PHASE:		Lab PO Number	4 4000										woss. pr	iiiosswe	aest.cor	m EA	QUARTE	2 (A _l	pr-Jun)
ST106/S	S111		Lab PO Number	. 14800							Kay How			er@eurofinsU	S.com	E	urofins 1 (717) 556-7	258		
			1		AN	ALYS	IS RE	QUIR	ED (Sp	pecify	numb	er of bo	ottles)							
ITEM	SAMPLE I	DENTIFIER .	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMME	NTS	121
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COMMEN	TS: *Dissolved Fe, Mn aliq	uot was field filtered																		
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Delata d I '		RELINQUISHED BY:			DATE	\top	TIME						FE	RECEIVED	15/	2	565 96	48		
rinted Na	me and Signature:	\ 1 -	11						nted Nan	me and	Signatur	e:		MEGEIVED	or:				DATE	TIME
Drintad t '-	Joshva Messel	nger Ju	Wer	0 4-8	1-202	0 1	700)												
-inited Na	me and Signature:	V V .	,	0					nted Nan	ne and	Signatur	e:								
Printed No.	me and Signature;	×																		
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		225 Schiling Circle Suite		0	111	IAI	\bigcirc		711	СТ)V	DE	CO	חכ				COC NUM	IBER
		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	ΠА	11/1-	Ur	C	U	01	OL	זכ		COI	\D				COC-055	5-202
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX	AND M	IAIL RE	PORTS	EDD TO:			_	eaest.com		YEAR:	2	020
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratories and Pike Lancast		7601		FAX	AND N	IAIL RE	PORTS	EDD TO:				aest.com		QUARTER	2 (A	or-Jun)
	CT SITE AND PHASE:		Lab PO Number:	14800			-	LAB	CONT	ACT: K	ay Howe	er K	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (717) 556-7	7258		
ST106/S	S111				ANA	LYSIS	REQ	UIRE	D (Sp	ecify	numbe	er of bo	ttles)							
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total N		(8260C)		(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	Z	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		СОММЕ	NTS	
1	GVV055-202 7-7-2000 1146 7															>				
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COMME	ENTS: *Dissolved Fe, Mn ali	iquot was field filtered										4			Widths					
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SAMPL	ER(S):	enser						C	OURIE	R AND	SHIPPIN	IG NUMB	ER: F	edEx	81	37	2565	9827		
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625																	COC-057	-202
	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT				FA	X AND	MAIL RE	PORTS	EDD TO			_	eaest.com		YEAR:	20	20
Facility				land Pike Lancast		17601		FA	X AND I	MAIL RE	PORTS	S/EDD TO	: Pam 1	Moss: pm	noss@e	aest.com	EA	QUARTE	R: 2 (Ap	r-Jun)
PROJEC ST106/S	CT SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CONT	TACT: F	(ay How	er K	ayHowe	er@eurofinsUS	S.com	Eu	irofins 1 (717) 556	3-7258		
					AN	ALYSI	SRE	QUIRI	ED (S	pecify	numb	er of bo	ttles)							
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMME	ENTS	
1	GW057	7-202	1211	7			_	2	1	1*	1	1	1	_						
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																			TB202	:- 22
SAMPL	ER(S): Nesser	1 Avx				-		C	OURIE	R AND S	SHIPPIN	G NUMBI	ER: F	edEx	813	7	2565	9827	10202	
) Tresser	DATE	T	TIME	= +						RECEIVED				1021	DATE	TIME			
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	*	225 Schiling Circle Suite 400 Hunt Valley MD			111	INI		_		CT)V	DE	COF	חכ					COC	C NUMBE	R
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	, 17/-	1111	I-O	F-1	U	01	OL	ז כ	NE.	COI	\D					COC	C-058-2	202
PROJEC*		PROJECT NUMBER:		AME AND CONTAC				FA	I DNA X	MAIL RE	PORTS	EDD TO:	Tara La		mond@e nith@ea				YEAR	₹:	202	0
Facility	AFB Bulk Fuels	62599DM01		aster Laboratori land Pike Lancas		17601		FA	X AND I	MAIL RE	PORTS	EDD TO:	-		oss@ea				QUA	RTER:	2 (Apr-	Jun)
PROJECT	T SITE AND PHASE:		Lab PO Number:	14800							ay Howe			r@eurofinsUS	S.com	Eu	urofins 1	(717) 556-7	258			
					AN	ALYS	IS RE	QUIRI	ED (S	pecify	numbe	r of bo	ttles)			1				MMENTS		
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED .	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) £D8	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				MIMICINIO		
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SAMPLE	(R(S): Messer	A0C				-	C	OURIE	R AND	HIPPIN	G NUMBI	ER: F	edEx $\%$	135	2	565	960	0				
			DATE		TIM				d Cinnet			RECEIVED							ATE	TIME		
Printed I	Name and Signature:	4-	9-20	20	1700	-	rinted N	lame an	d Signati	ure:												
Printed 1	John 4 / 16	ssenger In	~ 1000	7	, , ,				Printed N	lame an	d Signat	ure:										
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8	225 Schilling Circle Suite 400 Hunt Valley MD			LIA	INI	\cap	E (101)V	DE	COI	חכ					COC	NUMB	ER
	Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	TIP	/II/	-0	F-(101	Ol	וע	N.C.		10					COC	C-059-	202
PROJECT NAME:	PROJECT NUMBER:	-	AME AND CONTACT				FAX	X AND I	MAIL RE	PORTS	/EDD TO:			-	eaest.com			YEAR:		202	0
Kirtland AFB Bulk Fuels Facility	62599DM01		aster Laboratorie land Pike Lancas		7601		FAX	X AND I	MAIL RE	PORTS	/EDD TO:				aest.com			QUART	ER:	2 (Apr-	Jun)
PROJECT SITE AND PHASE:		Lab PO Number:	14800				LA	B CONT	TACT: F	Kay How	er K	ayHowe	r@eurofinsU	S.com	Eu	urofins 1 (717) 556-72	258			
ST106/SS111				AN	ALYSI	SREC	QUIRE	ED (S	pecify	numb	er of bo	ttles)									
ITEM SAMPL	E IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COM	MENTS		
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COMMENTS: *Dissolved Fe, Mn																					
-	Associated w	ith ER	202-03	7																	
	Associated a pump: 1807B	-902																		ГВ202-	89
SAMPLER(S): D. S.L.	neelh						C	OURIE	R AND	SHIPPIN	G NUMBE	ER: F	edEx	770	4	0158	150	12			
	RELINQUISHED BY:			DATE		TIME							RECEIVED	BY:					D	ATE	TIME
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Dylan	chneely &	shell.	5-1	5-20	70	165	0	rinted N	Jame an	ıd Signat	uro:										
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		225 Schiling Circle Suite			1 1 4	15.1	0		711	ОТ	0	71/		00	חח				COC	NUMBER	2
		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	III	-Or	(U	51	OL	JΥ	KE	CO	スリ				COC	-060-20)2
PROJEC	T NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX	AND M	AIL RE	PORTS	EDD TO:				eaest.co		YEAR:		2020	
	AFB Bulk Fuels	62599DM01	Eurofins Lanc 2425 New Holl	aster Laboratories and Pike Lancast	s er PA 1	7601		FAX	AND M	IAIL RE	PORTS	EDD TO:				aest.com aest.com		QUART	ER:	2 (Apr-Ju	ın)
PROJEC	T SITE AND PHASE:		Lab PO Number:	14800				LAB	CONT	ACT: K	ay Howe	er Ka	yHowe	r@eurofinsU	S.com	Eu	rofins 1 (717) 556	3-7258			
ST106/S	S111				ANA	ALYSIS	SREQ	UIRE	D (Sp	ecify	numbe	er of bot	tles)								
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320b) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMP	MENTS		
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СОММЕ	NTS; *Dissolved Fe, Mn a	liquot was field filtered																		B202-	67
SAMPL	ER(S):	exerge						C	OURIE	R AND	SHIPPIN	IG NUMBI	ER: F	edEx	7	702	4265	7518)		
	0-10	RELINQUISHED BY:		DATE		TIME				d Class	h was		RECEIVE					DA	TE	TIME	
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	B	225 Schiling Circle Suite 400 Hunt Valley MD		. (:HA	ΔΙΛ	1_0)E	CI	10	TO	DV	DE	ECO	DE	`		CC	DC NUMBER
DDO IS		Tel No: (410) 584-7000 Fax No. (410) 771-1625				111	4-6	<i>)</i> -	.00		10	וטו	KE		KL	,			
1	CT NAME: nd AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				F	AX AND	MAIL F	EPORT	S/EDD TO:	Tara La	amond: tla	amond@	@eaest.ci	om EA	YEAR:	C-061-202
Facilit		02033DIVI0 I	2425 New Ho	caster Laboratori Iland Pike Lancas	es iter PA	17601		F	ΑΥ ΔΝΙΓ	MAH S	EDODT	S/EDD TO:	Amanda	a Smith: as	mith@e	eaest.con	n EA	I LAN.	2020
DDO IE	CT SITE AND PHASE:							1	,	WAIL I	LFORT	3/EDD 10:	ram w	ioss: pr	noss@e	eaest.con	n EA	QUARTER:	2 (Apr-Jun)
ST106/	SS111		Lab PO Number	14800				U	AB CON	ITACT:	Kay Hov	wer Ka	ayHower	r@eurofinsU	S.com	E	urofins 1 (717) 556-7258		
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ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
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SAMPLER	R(S): 7	1.						loo										Т	B202- 79
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rinted Na	me and Signature:	RELINQUISHED BY:	/) 0	ATE		TIME						F	RECEIVED	BY:		1210	DA	
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nnted Na	me and Signature:							Prin	ited Nar	me and	Signatur	e:							
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	And the second of the second s																		

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	;H/	AIN	-0	F-(CU	IST	ΓΟΙ	DY I	RE	CO	RD)				CC	OC NUME	BER
DD0 150		Fax No. (410) 771-1625																		CO	C-062-	-202
	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC	es								Amanda	a Smith: as	amond@ smith@e				YE	AR:	20	20
racinty			2425 New Hol	land Pike Lancas	ter PA	17601		FA	X AND N	MAIL RE	EPORTS	EDD TO: F	Pam M	Moss: pr	moss@e	aest.co	m EA		QL	JARTER:	2 (Apı	-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CONT	ACT: K	Kay How	er Kay	yHowe	r@eurofinsU	S.com	E	Eurofins	1 (717) 55	6-7258			-
					AN	IALYS	SREC	QUIRI	ED (Sp	pecify	numbe	er of bott	les)		T							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			C	COMMENTS		
1	GW062	-202	4-21-2020	1527	10		3	_	2	1	1*	1	1	1	_			_				
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COMME	NTS: *Dissolved Fe, Mn aliq	unt was field filtered												L		L	1					
	A 4																				TB202-	.69
SAMPLE	R(S): J. Messer							C	OURIER	AND S	HIPPING	NUMBER	Fe	edEx 7	770	2	42	67	510	5		
Printed N	lame and Signature:	RELINQUISHED BY:			DATE		TIME		dated M		(Cies :			RECEIVED							DATE	TIME
I	Toshua Messen	use I h	M	2 4-7	1-20	20 1	700		rinted Na	ame and	signatu	ire:			-						-	
Printed N	lame and Signature:	Juice	0) 1. 2.	- 20				rinted Na	ame and	Signatu	ire:										
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	Table 10	225 Schiling Circle Suite		_	1 1 4	INI	_		211	CT	· O I	71/	DE						COC	NUMBE	R
		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	III	- O	r-(JU	01	U	JT	K C	COF	ער				COC	2-063-2	202
		Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	1			FAX	KANDI	MAIL RE	PORTS	EDD TO:	Tara La			eaest.co		YEAR	₹:	202)
PROJECT Kirtland	AFB Bulk Fuels	62599DM01	Eurofins Lanc	aster Laboratorie	S	7004		EAN	V A NO	MAII DE	PORTS	EDD TO:				est.com		QUA	RTER:		
Facility			2425 New Holl	and Pike Lancast	er PA 1	7601		FA	ANDI	WINE IN	FORTS	LOD TO.		. р	,000			1		2 (Apr-	Jun)
PROJECT	SITE AND PHASE:		Lab PO Number:	14800				LAE	B CONT	TACT: K	ay How	er K	ayHowe	r@eurofinsUS	S.com	Eu	rofins 1 (717) 55	6-7258			
ST 106/SS					ΔNA	ALYS	IS RE	OUIRE	ED (S	pecify	numbe	er of bo	ttles)								
						LIO	OIL	QOII (I	(0									CO	MMENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane					
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COMME	ENTS; *Dissolved Fe, Mn a	liquot was field filtered																		TB202-	± 9091
SAMPL	ER(S):	neelk							COURI	ER AND	SHIPPII	NG NUME	BER: F			5	8000	4848			
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	8	225 Schiling Circle Suite 400 Hunt Valley MD			НΛ	INI		F_(711	TZ		7	RF	COI	3 D		. 7.		C	OC NUMB	ER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625			1 1/-	(11)	-0	-(O I		<i>)</i>	1 \ _	.001	(D				CC	C-064-	202
PROJEC		PROJECT NUMBER:	one control	AME AND CONTACT				FAX	(AND I	MAIL RE	PORTS/	EDD TO:	Tara La Amanda			eaest.com		YE	AR:	202	0
Kirtland Facility	I AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancas		17601		FAX	(AND I	MAIL RE	PORTS	EDD TO:				aest.com		QU	ARTER:	2 (Apr	Jun)
PROJEC	T SITE AND PHASE:		Lab PO Number:	14800				LAE	CONT	ACT: K	ay Howe	er K	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (717) 5	556-7258	,		i.
ST106/S	5111				AN	ALYSI	SREC	QUIRE	ED (S	pecify	numbe	er of bo	ttles)								
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		C	OMMENTS		
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COMM	ENTS: *Dissolved Fø, Mn ali	quot was field filtered												-						TB202-	≠ 9091
SAMPI	ER(S): D. Schw	relk						C	OURIE	RAND	SHIPPIN	IG NUMB	ER: F			5	2008	4848).)		
		RELINQUISHED BY:		_	DATE		TIM		Printed t	Vame or	id Signat	ture:		RECEIVE	D BY:					DATE	TIME
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		225 Schiling Circle Suite 400 Hunt Valley MD			:HA	AI Z	1-0	F-	CI	IST		DΥ	RF	ECO	RL)			CC	C NUMB	ER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625				111		1 -				וט	1 / L	_00	112	,			CO	C-065-	202
	CT NAME: nd AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	S/EDD TO				eaest.con		YEA	AR:	202	20
Facility		02333DW01		lland Pike Lancas		17601		FA	X AND	MAIL RI	EPORTS	S/EDD TO				aest.con		QU.	ARTER:	2 (Apr	-Jun)
PROJEC ST 106/5	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	B CON	TACT: H	Kay How	er K	KayHowe	er@eurofinsU	S.com	Е	urofins 1 (717) 55	56-7258			
			_		AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C)	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		C	OMMENTS	ě	
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	ENTS: *Dissolved Fe, Mn alic	quot was field filtered																	ğ	TB202-	71
SAMPLI	ER(S): D. Schu	reelk						С	OURIE	RANDS	HIPPIN	G NUMBE	F F	edEx	77	02	4267	486	3		
Drintod	Name and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED				1000		DATE	TIME
D.	Schneelk	4)	9	4-2	12-20	020	173	-	rinted N	lame and	d Signati	ure:			-			***************************************			
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	*	225 Schiling Circle Suite 400 Hunt Valley MD			Ц/	INI		E (11	T		YC	RF	-00)E	חי					CC	OC NUMB	ER	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	1 1/-	IIIV	1-0	1 -		J I	OL	71	1 1	-00		(1)					CO	C-066-	202	
PROJEC	T NAME:	PROJECT NUMBER:		AME AND CONTACT				FA	X AND I	MAIL RE	PORTS	EDD TO:				S. C.	eaest.com			YEA	₹:	202	20	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancas		17601		FA	X AND I	MAIL RE	PORTS	/EDD TO:	Amand Pam N	-			est.com			QUA	RTER:	2 (Apr	-Jun)	
	CT SITE AND PHASE:		Lab PO Number.	14800				LA	B CONT	TACT: K	ay Howe	er K	ayHowe	er@eurofir	nsUS.	com	Eu	rofins 1	(717) 556	-7258				
ST106/S	55111				AN	IALYS	IS RE	QUIRI	ED (S	pecify	numbe	er of bo	ttles)											
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Num	(8260C) VOCs				Total (As	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate		Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			CC	MMENTS			
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COMMA	ENTS: *Dissolved Fe, Mn al	iquot was field filtered							1			J												
CONNE	ENTS. DISSURFECT 6, INIT OF	que vas ion incre																				TB202	-71	
SAMPL	ER(S):	.11/						0	COURIE	R AND	SHIPPIN	IG NUMB	ER: F	edEx	7	70)	426	7 4	862				
	U. Dc	nueelk RELINQUISHED BY:			DATE		TIM	E						RECE			^	120	' '	00-		DATE	TIM	ΙE
Printed	Name and Signature:	TELITO OTEL DE			8			-	Printed 1	Name ar	d Signat	ture:											T	
	D. Schme	elk	for	>, 43	12-2	020	173	0																
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		С	H	11/	1-C	F-	CL	JS	ГО	DY	R	ECO	RE)			(COC NUN	1BER
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTACT															C	OC-067	7-202
Kirtlan Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lan	caster Laboratorie Iland Pike Lancast	s	17601						S/EDD TO	Aman	da Smith: a	smith@e	Deaest.cor	n EA		YEAR:		020
PROJEC	T SITE AND PHASE:		Lab PO Number											•		eaest.cor	n EA		QUARTER:	2 (A	or-Jun)
ST106/S	S111		The Foundation								Kay How			er@eurofinsl	JS.com	Е	urofins 1 (717)	556-7258			
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN		Total (As		(300.0) Chloride, bromide, sulfate	N.	O.C.	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENT	s	
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COMMEN	TS: *Dissolved Fe, Mn aliqu	unt won field filtered																			
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	D. Schme	eelk						CC	URIER	AND SH	IPPING	NUMBER	R: Fe	edEx 7	170	2	4267	510			
Printed Na	me and Signature:	RELINQUISHED BY:		D/	ATE		TIME		-111					RECEIVED	BY:		1201			DATE	TIME
	D. Schniee	IK GIA		4.21	1-70	77 /	200		nted Na	me and	Signatur	e:									
Printed Na	me and Signature;		1	11.41	10	ا بار	100		nted Na	me and	Signatur	a.									
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			and the second s						need and a reason												

		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA	IN	-0	F-	CL	IST	ΙΟ	YC	RE	ECO	RD)				C OCO	
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTAC	T:		-	FA	XAND	MAIL RE	PORTS	/EDD TO): Tara L	amond:	lamond@)eaest co	m EA	YEAR		C-068-	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancas		17601						/EDD TO	Amano	la Smith: a	smith@e moss@e	aest.com	EA	QUAF		202 2 (Apr	
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CON	FACT: F	(ay Howe	er k	(ayHowe	er@eurofins	US.com	Eu	rofins 1 (717)	556-7258		- (· ip·	
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bo	ottles)								
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) ED8	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Greater) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COM	MMENTS		
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OMME	NTS: *Dissolved Fe, Mn aliqu	uot was field filtered																			
AMDIT	D(S).																		ā	TB202-	67
AMPLE	D. S.h.	neelk						C	DURIER	ANDS	HIPPING	NUMBE	R: Fe	edEx	770	2	4265	7518			
rinted N	ame and Signature:	RELINQUISHED BY:			DATE		TIME		inted Na	ame and	Signatu	re:		RECEIVE					Di	ATE	TIME
D. 9	Schneelk	Chila		4-2	9-59	20	1530				9										
rinted N	ame and Signature:								inted Na	ame and	Signatu	re:							L		
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DDO IE	CT NAME:	Tel No: (410) 584-7000 Fax No. (410) 771-1625					_	. `	-	٠.		١ ر	1 1 1	_00	ווט	•		C	OC-069-2	202
Kirtlan	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FAX	K AND M	IAIL RE	EPORTS	/EDD TO				eaest.con		YEAR:	202	0
Facility			2425 New Ho	lland Pike Lancas	ter PA	17601		FAX	K AND M	AIL RE	PORTS	EDD TO				aest.cor		QUARTER	2 (Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE: S111		Lab PO Number:	14800				LAE	CONTA	ACT: k	Cay How	er K	ayHow	er@eurofinsL	JS.com	Е	urofins 1 (717) 556-72	158		
					AN	ALYSIS	REC	QUIRE	ED (Sp	ecify	numb	er of bo	ottles)		T		***************************************			
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) 8TFX	(8260C) BTEXN		(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMEN	NTS	
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0011115	NTO 45' - 1 - 15 - 11 - 11																			
COMNE	NTS: *Dissolved Fe, Mn aliq																			
		Pierr	P: 1807B-	752															TB202-	74
SAMPLE	R(S): . Messeng.	er						co	URIER	AND SI	HIPPING	NUMBE	R: Fe	edEx ·	770	2 4	1269 6414		10202	-
Printed N	ame and Signature:	RELINQUISHED BY:			DATE		TIME	Prin	nted Nan	ne and	Signatu	ro.		RECEIVED					DATE	TIME
	Joshua Messeno	er Im	Many	4-23	3-202	0 (731		NOO I TON	no una	oignaid	16.		- I www.rotto-					T	
Printed N	ame and Signature:		X					-	nted Nan	ne and	Signatu	re:								
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Printed N	ame and Signature:							Prin	nted Nan	ne and	Signatu	re:					***************************************			
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		225 Schiling Circle Suite					_		211	0.7	-0			COL	ח			C	OC NUMBE	R
		400 Hunt Valley MD		C	HA	IN	-O	 (51	O	UY	KE	COF	KU			CC	C-070-2	02
		Tel No: (410) 584-7000 Fax No. (410) 771-1625	LA DODA TORY N	AME AND CONTACT				FAX	AND	AIL RE	PORTS	S/EDD TO:	Tara La			eaest.cor		YEAR:	2020)
PROJECT	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Furofins Lanc	aster Laboratorie	s							S/EDD TO:	Amanda	a Smith: asm		aest.com	EA EA	QUARTER:	2 (Apr-	lun
Facility	Al D Bailt I dele		2425 New Holl	and Pike Lancast	er PA	17601		FAX	(AND I	NAIL RE	PORT	SIEDD TO.	raii i	1000. piii					2 (Apr-	Julij
DBO IEC	T SITE AND PHASE:		Lab PO Number:	14800				LAE	CONT	ACT: F	(ay Hov	ver Ka	ayHowe	r@eurofinsUS	.com	Eu	rofins 1 (717) 556-725	58		
ST106/SS	3111				ΔN	AL YS	IS RE	OUIRE	D (St	pecify	numb	er of bo	ttles)							
				I		ALTO			-5 (0)		1							COMMENT	S	
					Total Number of Bottles					Total (Dis	(300.0) Chloride, bromide, sulfate	z	(SM2320B) Alkalinity (Total, Carbonate, Bicarbonate)	Car					
					Numi	< (82 ≤ (82	(82 B	(82 BT	E (8)	020A As,Pb	(6010C) Dissolved Fe, Mn	(30 e, bro	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity , Carbonate Sicarbonate	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	per of	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	/6010 ,Ca,K,	10C) d Fe,	(300.0) bromide	-Nitri	3208) inity onate	175) Dioxid	175) lane				
					Bott					(6020A/6010C) al (As,Pb,Ca,K,Na,Mg)	M	sulfa	6) and	e					
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201111	ENTS: *Dissolved Fe, Mn a	diquot was field filtered																		
COMME	ENTS. DISSOIVED FE, WITE	inquot was now interes																		
																			TB202-	55_
								(COURIE	ER AND	SHIPF	ING NUME	BER:	FodEv	77	2	4261 3	5636		
SAMPL	ER(S): J. Wesse	nall			DATE		TIN	AE						RECEIVE	D BY:	- 0-	1201		DATE	TIME
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	Joshua 1	Ne senger -	for IV	-y 19	10 0		, ,		Printed	Name a	and Sig	nature:				`				1
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		С	HΑ	IN	-01	F-(CU	ST	OI	YC	RE	ECOI	RD				COC NUM	
PROJEC		PROJECT NUMBER:		IAME AND CONTACT				FAX	AND M	AIL RE	PORTS	/EDD TO				eaest.com		YEAR:	2	2020
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		7601		FAX	AND M	AIL RE	PORTS	/EDD TO	married married married	-		aest.com		QUARTE	R: 2 (A	pr-Jun) .
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number.	14800				LAB	CONT	ACT: K	ay How	er K	ayHow	er@eurofinsU	S.com	E	urofins 1 (717) 556-	-7258		
					ANA	ALYSI	SREC	UIRE	D (Sp	ecify	numb	er of bo	ttles)	,						
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMME	ENTS	-
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СОММЕ	NTS: *Dissolved Fe, Mn ali	quot was field filtered																		
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SAMPL	ER(S):							cc	OURIER	R AND S	SHIPPIN	IG NUMB	ER:	F	חור	07	MOCI	TIM.		JL- J /
	1.18/257	RELINQUISHED BY:	-		DATE		TIME	-						RECEIVED		1 2	4261	300.	DATE	TIME
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	Joshua Mlas	ssenser In	~ //h	~ 4-1	6-20	20 1	900													
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Delatad	Name and Cianatura							Pr	inted N	ame an	d Signa	hine.								
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		Tel No: (410) 584-7000 Fax No: (410) 771-1625		C	ПР	IIIV	-0	r-(01	O	ווע	1	COI	10					CC	C-072-2	202
PROJECT		PROJECT NUMBER:		AME AND CONTACT				FA	X AND	MAIL RE	PORTS	VEDD TO: 7				eaest.com			YE	AR:	202	:0
Kirtland Facility	AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		7601		FA	X AND	MAIL RE	PORTS	VEDD TO: F				est.com			QL	IARTER:	2 (Apr-	Jun)
PROJECT ST106/SS	SITE AND PHASE:	1	Lab PO Number:	14800				LAI	B CONT	ACT: K	ay How	er Kay	yHowe	r@eurofinsUS	S.com	Eu	rofins 1	(717) 556	6-7258			
					ANA	ALYS	IS REC	QUIR	ED (S	pecify	numb	er of bott	les)	,								
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	-			COMMENT	S	
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COMME	NTS: *Dissolved Fe, Mn al	iquot was field filtered														1						
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SAMPLE	R(S): A. Messer	nse (C	OURIE	R AND	SHIPPIN	IG NUMBE	R: F	edEx 7	770	2	42	61	60	36		
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	8		CHAIN-OF-CUSTODY RECORD																	
																		COC NUMBER		
PROJEC	CT NAME:	PROJECT NUMBER:	LABORATORY	LABORATORY NAME AND CONTACT: FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com FA														C(OC-073-202	
Kirtlan	d AFB Bulk Fuels	Eurofins Land	Eurofins Lancaster Laboratories					FAX AND MAIL REPORTS/EDD TO: Tara Lamond: dlamond@eaest.com EA Amanda Smilth: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Mbss: pmoss@eaest.com EA										2020		
			2425 New Hol	2425 New Holland Pike Lancaster PA 17601						MAIL RI	EPORTS	QUARTER:	2 (Apr-Jun)							
PROJECT SITE AND PHASE: Lab PO Number: 14800 ST106/SS111							LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-72										rofins 1 (717) 556-7258	3	, , , , , ,	
				ANALYSIS REQU						necify	numb	ar of ho								
								QUIIX	1		TIGITIO	COMMENTS								
	SAMPLE IDENTIFIER				Total					Total	D	Chloride,		(Tot				COMMITTEE		
ITEM			DATE COLLECTED	TIME COLL FORES	Num	≤ (82	B (82	(8260C) BTEXN	(8011) EDB	(6020A/6010C) (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe,	(300.0) de, bromide,	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, a Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
O IIII EL		JEHAN IEK	DATE COLLECTED	TIME COLLECTED	per of	(8260C) VOCs	(8260C) BTEX													
					Number of Bottles					,Na,N	M.		rite	B) y ate, and	xide	e 5)				
				les					/g)		sulfate		<u>g</u>		100					
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COMMEN	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered																		
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TB202-84																				
	Pump SN: 1807B-752.									COURIER AND SHIPPING NUMBER: FedEx 7703 6032 7070										
RELINQUISHED BY: Printed Name and Signature:				DATE		TIME		RECEIVED BY:									DATE TIME			
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	CT NAME:	PROJECT NUMBER:	LABORATORY I	NAME AND CONTAC	CT:	-		FA	AX AND	MAIL R	EPORTS	/EDD TO): Tara L	amond: tla	amond@	eaest.c	om EA	YEAR:	OC-074	
Kirtlan	d AFB Bulk Fuels	62599DM01		aster Laborator land Pike Lanca		17601		EA	AV AND	MAN D	EDORTS	/EDD TO		la Smith: as	mith@ea	aest.con	n EA		21	020
				rana i ike Lanca	Stel FA	17001		100	4X AND	WAILK	EPORTS	VEDD 10): Pam	woss; pn	noss@ea	aest.cor	n EA	QUARTER	2 (Ap	or-Jun)
PROJECT ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	AB CON	TACT: I	Kay How	er K	KayHowe	er@eurofinsU	S.com	E	urofins 1 (717) 556-72	158		
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bo	ottles)			-				
					7					T		2						COMMEN	ITS	
					Total N					Total (A	Diss	Chloride,	z	(SM2320B) Alkalinity (Total, Carbonate, a	Ca					
ITEM	SAMPLE ID	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Number	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB)20A/	(6010C) solved Fe,	(300.0) e, bromid	(353.2) itrate-Nit	(SM2: Alkal Carb	(RSK-175) arbon Dioxi	(RSK-175) Methane				
					9	2 C	×S	ž õ	8 3	(6020A/6010C) I (As,Pb,Ca,K,Na	(6010C) Dissolved Fe, Mn	TD.	(353.2) Nitrate-Nitrite	320B) inity onate onate	(RSK-175) Carbon Dioxide	-175) nane				
					Bottles					(6020A/6010C) (As,Pb,Ca,K,Na,Mg)	S	sulfate	in in	and	de					
1	GW074	200	4-30-2020	t. t.	7			-	-	-										-
2	GVV074	-202	7-30-2020	111	/	Differente		and the same of th	2	1	1*	1	1	1	-					7
3				DE																
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COMME	NTS: *Dissolved Fe, Mn aliqu																			
COMME	WTS. "Dissolved Fe, Min aliqu	lot was field filtered																		
	$\overline{\gamma}$	CN1 10-1																		
SAMPLE	Tum P(S):	P SN: 180'	15-19	t 75°	<u> </u>														TB202	-84
OF THE LL	D. Scha		7					C	OURIER	RANDS	HIPPING	NUMBE	R: Fe	edEx 7	703	60	132 7070	7		
Printed N	ame and Signature:	RELINQUISHED BY:			DATE		TIME	D	rinted No		Signatu			RECEIVED	BY:				DATE	TIME
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	ACCURATION OF THE PARTY OF THE	225 Schiling Circle Suite			1 1 A	1 8 1	_	_ /	211	CT		W	DE	00	וםו					C	OC NUMBE	R
		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	III	-0	F-(JU	51	OL	JΥ	KE	CC	ואנ	U				CC	C-075-2	202
		Fax No. (410) 771-1625	LABORATORY N	AME AND CONTACT	r.		-	FAX	(AND I	MAIL RE	PORTS	EDD TO:	: Tara La	amond:	tlamon	d@ea	est.com		YE	AR:	202	0
PROJECT	T NAME: I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Lanc	aster Laboratorie	s								Amanda	a Smith:	asmith			EA EA	0	JARTER:		
Facility			2425 New Holl	and Pike Lancas	ter PA	17601		FAX	(AND I	MAIL RE	PORTS	/EDD TO	; Pam N	ioss;	pinoss	(Teae:	Si.COIII	LA	-	S, 4 t, 2	2 (Apr-	Jun)
			Lab PO Number:	14800	_		-	LAE	3 CONT	ACT: K	ay Howe	er K	ayHowe	r@eurofir	sUS.co	m	Eur	ofins 1 (717) 55	56-7258			
PROJECT ST106/S			Lab FO Nulliber.		1				(0			of bo	ttloo)		-							
				1	AN	ALYS	IS RE	QUIRE	ED (S	pecity	numbe				-					COMMENTS	3	
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175)	(RSK-175) Methane					
1	GW075-202 4-20-2020 103.5 7 - 2 1 1* 1 1 1																					
2	GW075-202 4-20-2020 103.5 7 2 1 1* 1 1 1																					
3	GW075-202 4-20-2020 103.5 7 2 1 1* 1 1 1																					
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4	GW075-202 4-20-2020 1035 7 2 1 1* 1 1 1 1																					
5					Y				_				-	-		-						
6																						
СОММЕ	ENTS: *Dissolved Fe, Mn a	iquot was field filtered																			TB202-	- 66
SAMPL	ER(S):	1 - 11/						-	COURIE	ER AND	SHIPPI	NG NUME	BER: F	edEx	=	770	'7	4715	79	74		
	U.Sc	hweels			DATE		TIM								IVED E	Y:	<i>v</i>	. 00/			DATE	TIME
Printed	GW075-202 4-20-2000 103.5 7 2 1 1* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																					
T) Shurer	lk Can	A.	2 4-	20-2	020	15															
Printed	2425 New Holland Pike Lancaster PA 17601 ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED																					
																			02 18-00			
Printed	Name and Signature:								Printed	Name a	ınd Signi	ature:										

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	ΙN	I-OI	F-(CU	IS1	10	ΣY	RE	ECC	R	D						COC NUI		
		Fax No. (410) 771-1625																				OC-07	6-20	02
PROJEC	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTAC				(FA)	X AND I	MAIL RE	PORTS	/EDD TO				_	eaest.com			YI	EAR:	2	020	
Facility				land Pike Lancas		17601		FAX	X AND I	MAIL RE	PORTS	/EDD TO			-		est.com	-		Q	UARTER:	2 (A	pr-Ju	un)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800			Nacket Wy January Law	LAE	B CONT	FACT: H	ay Howe	er K	ayHowe	er@eurofin	sUS.c	om	Eu	irofins	1 (717) 556	5-7258				
					AN.	ALYS	IS REC	UIRE	ED (S	pecify	numbe	er of bo	ttles)											
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175)	(RSK-175) Methane				COMMEN	TS		
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6							N																	
COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered											1	note:	A	lka	Ini	ty	only	hal	f vol	lume (~15	50m L)
Pu	~p SN: 18	08-402																				TB20	2- 8	30
SAMPLE	R(S): Galveto	· Begline						CC	OURIER	RANDS	HIPPING	3 NUMBE	F. F	edEx	-	7	70	2	42-	70	383	50		
Printed N	lame and Signature:	RELINQUISHED BY:			DATE		TIME	Pr	inted Na	ame and	1 Signatu	ite.		RECEIV	/ED BY	Y:						DATE		TIME
6	alveston e	segare 2	1/1300	= 14/	18/20	70	1700	-		arrio arri	· Orginate	70.												
Printed N	ame and Signature:	7/						Pr	inted Na	ame and	Signatu	ire:												
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		225 Schiling Circle Suite 400 Hunt Valley MD		(H	Λ I Ν	10) E	CI	10.	TO	DV							
DBOILE	OT NAME:	Tel No: (410) 584-7000 Fax No. (410) 771-1625				711	A-C	<i>)</i> -		10	10	UY	KI	ECO	KL)			OC NUMBER
	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	LABORATORY	NAME AND CONTAC	CT:			F	AX AND	MAIL F	REPORT	S/EDD TO). Tara I	amond: 4	1000000			CC	C-077-202
Facility	,	02033D[VIO]	Eurofins Lan 2425 New Ho	caster Laboratori Iland Pike Lancas	ies ster PA	17601							Aman	da Smith		@eaest.c eaest.cor		YEAR:	2020
PPOIEC	T SITE AND PHASE:			The Lunday	otel I-W	17601		F	AX AND	MAILF	REPORT	S/EDD TO): Pam			eaest.cor		QUARTER:	0 (4
ST106/S	S111		Lab PO Number	: 14800	-			L	AB CON	ITACT:	Kay Hov	ver l	CavHow	er@eurofinst	IC nom				2 (Apr-Jun)
					ΔΛ	AI VC	IC DE							or @caroni isc	J3.00III	Е	urofins 1 (717) 556-7258	3	
					AIV	ALIS	IS RE	QUIR	ED (S	specify	numb	er of bo	ottles)						
ITEM	SAMPLE IC	- DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	,
1	GW077	-202	4-27-202	11015	10	_	3		-	-	. 4				-				
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OMMENT	S: *Dissolved Fe, Mn alique	ot was field filtered																	
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	D. Schwee	2 K					-	COI	JRIER /	AND SH	IPPING	NUMBER						T	B202- 79
nted Nam	e and Signature:	RELINQUISHED BY:		D	ATE		TIME	_				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Fed	JEX 7	70%	2 4.	270 39	27	
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						T		Fint	ed Man	ne and S	ignature	:							
ted Name	e and Signature:																		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	IN	-0	F-(CL	JST	ΓΟΙ	DY	RE	ECOI	RD)				COC NUM		
550 150		Fax No. (410) 771-1625																		OC-078	3-202	
-	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA.	X AND	MAIL RI	EPORTS	EDD TO			amond@ mith@e				YEAR:	20	020	
Facility				land Pike Lancas		17601		FA	X AND	MAIL RI	PORTS	EDD TO			noss@e				QUARTER	2 (Ap	r-Jun)	
PROJEC ST 106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LAI	B CON	TACT: I	(ay How	er K	ayHowe	er@eurofinsU	S.com	E	urofins 1 (717) 5	556-7258				
				,	AN	ALYSI	SRE	QUIRE	ED (S	pecify	numb	er of bo	ttles)									
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMEN	ITS		
1	GW078-202 4-21-2020 1/40 10 - 3 - 2 1 1* 1 1 1 -																					
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COMME	NTS: *Dissolved Fe, Mn alic	and was field filtered												1								
		act too hot more																		TB202	2-69	
SAMPLE	ER(S): Aerseng	a C						CC	OURIER	RANDS	HIPPING	3 NUMBE	R: F	edEx 7	סרי	2	4267	510	5			
Drinte 11		RELINQUISHED BY:			DATE		TIME							RECEIVED						DATE	TIN	ΛE
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		225 Schiling Circle Suite 400 Hunt Valley MD		C	НΔ	INI		F_(CH	ST		7	RF	ECO	RD)				COC	NUMBE	R
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 1/	1114	-0	1 -		O I	OL	<i>J</i> 1	1 \ L	_00	110					COC	-079-2	02
	T NAME:	PROJECT NUMBER:		IAME AND CONTACT				FA	X AND I	MAIL RE	PORTS	EDD TO:			-	eaest.com			YEAR:		2020)
Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		17601		FA	X AND I	MAIL RE	PORTS	/EDD TO:				aest.com			QUART	ER:	2 (Apr-	lun)
	CT SITE AND PHASE:		Lab PO Number:	14800				LA	B CONT	ACT: F	ay Howe	er K	ayHowe	er@eurofinsU	S.com	Et	urofins 1 ((717) 556-7	258			
ST 106/S	S111				ANA	ALYSI	IS RE	QUIRI	ED (S	pecify	numbe	er of bo	ttles)									
					- T	1							1						COMN	MENTS		
ITEM	SAMPLE	IDENTIFIER (DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3Z0B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane						
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COMME	:NTS: *Dissolved Fe, Mn ali	quot was field filtered																	Þ		ГВ202-	
SAMPL	ER(S): Began	se						C	OURIE	R AND S	SHIPPIN	G NUMBE	ER: F	edEx 7	170	2	539	7	100	8	330	
		RELINQUISHED BY:			DATE		TIME				10:			RECEIVE	D BY:					DA	ATE	TIME
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	IIN	-0	 (JU	21	U	JΥ	KE		KL	,			COC-C	80-20	02
PROJEC	T NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX	(AND N	AAIL RE	PORTS							YEAR:		2020	
Kirtland	AFB Bulk Fuels	62599DM01				17601		FAX	(AND N	MAIL RE	PORTS					-		QUART	ren: 2	(Apr-J	un)
PROJEC	T SITE AND PHASE:		Lab PO Number:	14800				LA	3 CONT	ACT: K	ay How	er K	ayHowe	r@eurofins	US.com	Ε	urofins 1 (717) 55	6-7258			
					AN	AL YSI	SRE	QUIRI	ED (Sr	pecify	numb	er of bo	ttles)								
-			T															СОМ	MENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	otal Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) otal (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Iloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity Total, Carbonate, and Bicarbonate)	Carbon Dioxide	(RSK-175) Methane					
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COMME	ENTS: *Dissolved Fe, Mn a	iquot was field filtered																	TE	3202-	74
SAMPL	.ER(S):	(1)						10	OURIE	R AND	SHIPPI	NG NUME	BER: F	edEx	7	702	4269	0414	,		
	U, De				DATE		TIM													E	TIME
CHAIN-OF-CUT RECUME To the 1984-1998 PROJECT NAME RESPONSE RESPONS																					
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	,H/	/II/	-0			15	10	DΥ	KI	ECO	KL)			OC-081-	
PROJE	CT NAME:	PROJECT NUMBER:	LABORATORY I	NAME AND CONTACT	T:			FA	X AND	MAIL R	EPORTS	S/EDD TO	: Tara I	amond: t	lamond@	geaest.c	om EA	YEAR:		
Kirtlan	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancas		17601						S/EDD TO	Aman	da Smith: a	smith@e	eaest.com	n EA		20:	20
acint	,		2425 New Ho	iano Fike Lancas	terPA	17601		I A	AND	WAILK	EPORTS	3/EDD 10	: Pam	MOSS; p	moss@e	eaest.cor	n EA	QUARTER:	2 (Apr	r-Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800	,			LAI	B CON	TACT: I	Kay How	er K	ayHow	er@eurofinsl	US.com	Е	urofins 1 (717) 556-	-7258		
					AN.	ALYSIS	SRE	QUIRE	ED (S	pecify	numb	er of bo	ttles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMEN	TŞ	,
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COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered												-						
	Pump SI	V: 1807B-	フェコ																TB202-	82
SAMPLE	Schweelk							CC	DURIER	R AND S	HIPPING	NUMBE	R: F	adEv	77	02	4270	.1211	10202	02
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<u>U</u>	Schweelk	The	//_	4-7	9-202	20 16	610									*				
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Deintari N	lana and Girant		,																	
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DDO ID	CT NAME:	Fax No. (410) 771-1625				***	• •						1 / 1	_00	111	,		C	COC-082-202
	Id AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT				FA	X AND I	MẠIL R	EPORTS	EDD TO			amond@			YEAR:	
Facilit		02000DINIO1	2425 New Hol	aster Laboratorie land Pike Lancast	ter PA	17601		FA	X AND I	MAIL R	EPORTS	JEDD TO	Amano): Pam	da Smith: as Moss: pr	smith@e moss@e			QUARTER	2020 2 (Apr-Jun)
PROJE ST106/	CT SITE AND PHASE:		Lab PO Number.	14800				LAI	B CONT	TACT: I	Kay How	er K	(avHow	er@eurofinsU	IS com		Eurofins 1 (717) 556	7050	_ (/ (p) (dill)
31100/	33111													or@caronnsc				0-7200	
					AN	ALYS	IS RE	JUIRE	ED (Sp	pecify	numb	er of bo	ottles)						
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMEN	NTS
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COMME	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered												I					
	Pump S	5N# 180'	7B-752	1													U760		TB202- 81
SAMPLE	D. Schu	relk						co	URIER	AND SI	HIPPING	NUMBE	R: F	adEv 7	70	2	4269 4270,08	227	16202- 61
Printed N	ame and Signature:	RELINQUISHED BY:		The same of the sa	DATE		TIME		-				1 6	RECEIVED	BY:	0	12108	30/	DATE TIME
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	ame and Signature:	Unn?	-	4-28	3-20	JO 1	70												
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		225 Schiling Circle Suite 400 Hunt Valley MD			· Ц	A I A	1.0	\	\bigcirc I	10	T-0	D) (DOM: 1000			T		
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	<i>γ</i> Π/	411	N-C	/F-	C	15	10	UY	RI	ECO	RL)			C NUMBER	
	CT NAME: Id AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				F	AX AND	MAIL R	EPORTS	S/EDD TO	O: Tara	amond: #	amond@	Deaest.c	om EA		C-083-202	
Facilit		02933DINIO.I	Eurofins Lan 2425 New Ho	caster Laboratori Iland Pike Lancas	es ter PA	17601							Aman	da Smith; as	mith@e	eaest.con	n EA	YEAR:	2020	
DPO IE	CT SITE AND PHASE:					17001		- 1	4A AINL	MAILR	EPORTS	S/EDD TO	D: Pam	Moss: pr	noss@e	eaest.cor	n EA	QUARTER:	2 (Apr-Jun)	
ST106/S	SS111		Lab PO Number	14800				LA	AB CON	ITACT:	Kay How	rer I	KayHow	er@eurofinsU	S.com	E	urofins 1 (717) 556-7258		- (r.p. carr)	
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ITEM	SAMPLE ID	DENTIFIER .	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	re) re,	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
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COMMEN	ITS: *Dissolved Fe, Mn aliqu	ot was field filtered			-				,											
SAMPLER	(S): Pump 3	N# 1807B-	152															т	B202-81	
	D. Schn	eelk						co	URIER	AND SH	IIPPING	NUMBER	R: Eo	dEv 7	700) 1/2	269 0837		0202-81	_
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	Π/-	1111	-0	F-(01	OL) 1		_001	10				COC-084	-202
	T NAME:	PROJECT NUMBER:		IAME AND CONTACT			-	FAX	(AND N	MAIL RE	PORTS	EDD TO:				eaest.com		YEAR:	20)20
Kirtlan Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		17601		FAX	(AND)	MAIL RE	PORTS	EDD TO:				est.com		QUARTE	R: 2 (Ap	r-Jun)
PROJEC	CT SITE AND PHASE:		Lab PO Number:	14800				LAE	3 CONT	ACT: k	ay Howe	er K	ayHowe	er@eurofinsUS	S.com	Eu	rofins 1 (717) 556-7	7258		
51106/5	5111				AN	ALYS	IS RE	QUIRE	ED (S	pecify	numbe	er of bo	ttles)				AND CONTRACTOR OF THE PROPERTY			
					5					Total		CHI		2		-		COMM	ENTS	
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) tal (As,Pb,Ca,K,Na	(6010C) Dissolved Fe,	(300.0) Chloride, bromide,	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
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СОММЕ	NTS: *Dissolved Fe, Mn ali	quot was field filtered																		
	Puwan	SN# 180	773-7	52															TB202	2-81
SAMPL	ER(S): D. Schnol	elk						0	OURIE	R AND	SHIPPIN	G NUMBI	F: F	edEx 7	70	12	4269	083	フ	
Deintad	Name and Signature:	RELINQUISHED BY:			DATE		TIME		rinted N	lamo an	d Signati	iro.		RECEIVED	BY:				DATE	TIME
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Printed	Name and Signature:							P	rinted N	lame an	d Signat	ure:								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		(CHA	AIN	I-O	F-(CL	IS	TO	DΥ	RF	ECO	RL)				C	OC NUM	IBER	-
PROJEC	T NAME:	Fax No. (410) 771-1625					_	-							IXL	′				CC	OC-085	5-202	
	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Lanc	AME AND CONTAC aster Laboratori and Pike Lancas	es	47004						S/EDD TO	Amano	ta Smith: a	smith@e	eaest.con	n EA			EAR:	2	020	
	T SITE AND PHASE:				ster PA	1/601						S/EDD TO	: Pam	Moss: p	moss@e	eaest.con	n EA		Q	UARTER:	2 (A	or-Jun)
ST106/S			Lab PO Number.	14800				LAI	B CONT	TACT:	Kay How	er k	ayHow	er@eurofinsl	JS.com	E	urofins	1 (717) 556	6-7258			-	-
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ITEM	SAMPLE II	DENTIFIER C	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2520B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			1	COMMENT	S		
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625																			C-086-	202
PROJEC		PROJECT NUMBER:		IAME AND CONTACT				FAX	X AND I	MAIL RE	PORTS	EDD TO			amond@ mith@e				YEA	R:	20:	20
Facility	I AFB Bulk Fuels	62599DM01		aster Laboratorie Iand Pike Lancast		7601		FA	X AND I	MAIL RE	PORTS	EDD TO			noss@e				QUA	ARTER:	2 (Apr	-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111	7	Lab PO Number:	14800							ay How			er@eurofinsU	S.com	E	urofins	1 (717) 556	3-7258			
			,	-	ANA	LYSI	SREC	QUIRE	ED (S	pecify	numb	er of b	ottles)	·								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			C	DMM ENTS		
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625													1 \L					CC	C-087-	202
200000000000000000000000000000000000000	T NAME: A AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT				FA	AX AND	MAIL R	EPORTS	EDD TO			amond@ smith@e				YE	AR:	20:	20
Facility				land Pike Lancast		17601		FA	AX AND	MAIL R	EPORTS	EDD TO			noss@e				QI	JARTER:	2 (Apr	-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CON	TACT: I	Kay How	er K	ayHowe	er@eurofinsU	S.com	Е	urofins 1	(717) 55	6-7258			
					ANA	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)									
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			ď	COMMENTS	5	
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	VTS: *Dissolved Fe, Mn aliq	ace and mile mention																			TB202-	//
SAMPLE	R(S): G-Bega	ye.						С	OURIER	R AND S	HIPPING	3 NUMBE	R: Fe	edEx {	813=	7 2	565	95	149			11
Printed N	ame and Signature:	RELINQUISHED BY:			DATE		TIME		dated **		Cinne			RECEIVED	BY:	_ 0	200				DATE	TIME
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		0	1 17	VII V				,0		וכ	1 \ L	_00						CO	C-088-2	02
PROJEC	T NAME: I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT aster Laboratorie				FA	X AND	MAIL R	PORTS	S/EDD TO			amond@ mith@e				YEAR	:	2020)
Facility		02533DIVIO I		and Pike Lancast		17601		FA	X AND	MAIL R	PORTS	S/EDD TO			noss@e				QUAF	TER:	2 (Apr-	Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800	The State of the S			LA	B CON	TACT: H	(ay How	er K	ayHowe	er@eurofinsU	S.com	E	urofins 1	(717) 556-7	258			
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ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VQCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COM	MENTS		
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СОММЕ	NTS: *Dissolved Fe, Mn alic	quot was field filtered								Ĭ		I										
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SAMPLE	R(S): (5-Beg	ye.						C	OURIE	R AND S	HIPPIN	G NUMBE	F. F	edEx 🖔	137	2	565	954	0		\$	
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H/	AIN	1-0	F-	CL	JS	ΓΟ	DY	RE	ECO	RD)			OC NUMBER
PROJECT Kirtland Facility	AFB Bulk Fuels	PROJECT NUMBER: 62599 DIMO1	Eurofins Lanc	IAME AND CONTACT aster Laboratorie land Pike Lancast	s	17601				55			O: Tara L Amano O: Pam	da Smith: a	lamond@ smith@e moss@e	eaest.co	m EA	YEAR: QUARTER:	2020 2 (Apr-Jun)
PROJECT ST106/SS	SITE AND PHASE:		Lab PO Number:	14800		and the latest section of		LA	B CON	TACT:	Kay How	er	KayHowe	er@eurofinsl	JS.com	E	Eurofins 1 (717) 556-72	58	2 (Apr-3ull)
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ITEM .	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	5
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bet dronne in section	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT				FAX	(AND I	MAIL RE	EPORTS	/EDD TO			lamond@ smith@e				YEA	R:	202	20
Facility				land Pike Lancas		17601		FAX	(AND I	MAIL RE	EPORTS	EDD TO			moss@e				QUA	RTER:	2 (Apr	-Jun)
PROJEC ST 106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LAB	CONT	ACT: H	Kay How	er k	KayHowe	er@eurofins	US.com	E	urofins 1	(717) 556-	-7258			
					ANA	ALYSI	SREC	UIRE	D (S	pecify	numbe	er of bo	ottles)									
ITEM	SAMPLE	: IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Grizzer) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			co	MMENTS		
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001115	NTS: *Dissolved Fe, Mn a						(_														
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SAMPLE	ER(S): 6-Be	gaye					co	URIER	AND S	HIPPING	NUMBE	R: F	edEx	813	7 2	1565	91	530)			
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00	hefun ,	Begage 1	2/B	e 4-9	-200	20 1	700		neu Na	anie and	a Sigi idtu	16,										
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PROLECT NAME PROLECT NUMBER PROLECT NAME PROLECT NUMBER SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED TIM	COC NUMBER			70)V		107	CI)E	1_0	ΔΙΝ	CH/	(225 Schiling Circle Suite 400 Hunt Valley MD		
ANALYSIS REQUIRED (Specify number of bottles)	COC-091-202			くり	COF		זכ			.00	71	4-C	ZII.					T NAME:	PPO IEC
PAX AND MAIL REPORTSECD TO Pam Boss: PROJECT SITE AND PHASE: DATE COLLECTED TIME CO	2020	A YEAR:						EPORTS	MAIL RI	AX ANI								d AFB Bulk Fuels	Kirtlan
ANALYSIS REQUIRED (Specify number of bottles) COMMENTS).					Pam M	EDD TO:	PORTS	MAIL R	AX ANI		I	17601	ster PA	lland Pike Lanca	2425 New Ho			Facility
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TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC								numbe	Specify	RED (QUI	SIS RE	IALYS	- AN					
TEM SAMPLE IDENTIFIER	VTS	COMMENT				1			1	T	T	T							
GW091-202			(RSK-175) Methane	(RSK-175) Carbon Dioxide	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(353.2) Nitrate-Nitrite	(300.0) bromide,	(6010C) Dissolved Fe, Mn		ED8	BTEXN	(8260C) BTEX -		Number of	TIME COLLECTE	DATE COLLECTED	DENTIFIER C	SAMPLE ID	
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The strenger of Relinquished By: DATE TIME RECEIVED BY: Destruct Manager of Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:					,								*						
inted Name and Signature: DATE TIME RECEIVED BY: Do Show Messager And Many 4-8-2020 1700	TB202-23		I	-	IF 80	_	NUMBER:	IPPING	AND SH	OURIE	1						900	(S): \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	AMPLER
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illied Name and Signature.	DATE TIME			0.5	INCOLIVED BY		e:	Signatur	me and	inted N	-					1	N /	me and Signature:	inted Na
Printed Name and Signature: Printed Name and Signature:											0	170	20	8-20.	2- 4-	m M	nger In	Joshua Messe	inted Na
							i:	Signatur	me and	inted N	F				0	•	V	ine and Signature;	teu iVa
rinted Name and Signature:																		me and Signature	rinted Na
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	;H/	411	1-C	F-	CL	JS	ГО	DY	RE	ECO	RD)			COC NUM	
PROJECT	NAME:	PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	T:		-	FA	AX AND	MAIL RI	EPORTS	S/EDD TO	Taral	amond: ti-	amond@	geaest.co	om EA		OC-092	-202
Kirtland Facility	AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	s								Amano	da Smith: as		aest.con		YEAR:	20	020
uonny			2425 New Hol	land Pike Lancas	ter PA	17601		FA	AX AND	MAIL RI	EPORTS	S/EDD TO	Pam I	Moss: pr	moss@e	aest.con	r EA	QUARTER:	2 (Ap	r-Jun)
PROJECT ST106/SS	SITE AND PHASE:		Lab PO Number:	14800				LA	BCON	TACT: H	(ay How	er K	ayHowe	er@eurofinsU	JS.com	E	urofins 1 (717) 556-72	58	- \ -	
					AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)		T					
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles					Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate		(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENT	TS .	
1 2	GW092	2-202	4-8-2620	1223	7	_			2	1	1*	1	1	1	-		A CONTRACTOR OF THE CONTRACTOR	The state of the state of the state of		<u> </u>
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	rs: *Dissolved Fe, Mn aliq																			
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AMPLER(S): I. Messens	xel						CC	OURIER	AND S	HIPPING	NUMBER	· Fe	edEx 🖇	13	7 7	-565 97	1,2	10202	2
rinted Nan	ne and Signature:	RELINQUISHED BY:			DATE	I	TIME	-						RECEIVED	BY:	-	-505 57		DATE	TIME
	Joshua Messer	ger Illia	My	4-8	1-20	20 1	708		inted Na	me and	Signatu	re:								
rinted Nan	ne and Signature:	7	0				, ,		inted Na	me and	Signatu	re:								
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		225 Schiling Circle Suite 400 Hunt Valley MD			· L /	A 1 A		_	\sim	10-			D.	-00				C (OC NUMBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	, III/-	111	4-C	/F-	C	15	O	UY	K	ECO	KL)			
	CT NAME:	PROJECT NUMBER:		NAME AND CONTAC		-		FA	X AND	MAILR	EPORTS	/EDD TO	: Tara I	amond: tla	monde	eaest.co	m EA	-	C-093-202
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land 2425 New Ho	caster Laboratorie Iland Pike Lancas	es ter PA	17601							Amano	la Smith: as	mith@e	aest.com	EA	YEAR:	2020
PRO.IFC	CT SITE AND PHASE:												. r am	1033, pil	osswe	aest.com	EA	QUARTER:	2 (Apr-Jun)
ST106/5	SS111		Lab PO Number	14800						ITACT: I				er@eurofinsU	S.com	Eu	rofins 1 (717) 556-7258		
					AN	ALYS	IS RE	QUIR	ED (S	Specify	numb	er of bo	ttles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
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SAMPLE	NTS: *Dissolved Fe, Mn aliqu														3				ГВ202-24
SAMPLE	J. Me	ssenger						co	URIER	RANDS	IPPING	NUMBER	?: Fe	dEv Q	127	2 0	565 97		10202-2
Printed N	ame and Signature;	RELINQUISHED BY:			DATE	I	TIME							RECEIVED	3Y:	1 1	767 1/1		ATE TIME
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Printed Na	ame and Signature:	1/hu	V ~~~	1 4-8	20.	Ay	170												
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Printed Na	ame and Signature:							D	-111		21								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000			:HA	IN	I-O	F-	CI	15	ΓΩΙ	nv	R	ECO	Dr	`				OC NUMB	ER
DROJE	CT NAME:	Fax No. (410) 771-1625				111		•				וכ	111	_00	111	,			C	OC-094-	202
	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	IAME AND CONTAC aster Laboratori land Pike Lancas	es	17004							Amano	a Smith: as	smith@e	eaest.com	EA.		YEAR:	202	20
				iand Fike Lancas	ster PA	17601		FA	X AND	MAIL RI	EPORTS	EDD TO:	Pam I	Moss: pr	moss@e	aest.com	i EA		QUARTER:	2 (Apr	Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800		6		LA	B CON	TACT: H	Cay How	er Ka	ayHowe	r@eurofinsU	S.com	Eu	rofins 1 (71)	7) 556-725	.] В		
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bot	tles)		1						
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Nun	(8260C) VOCs	(8260C) BTEX			(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)		Chlor		(SM23208) Alkalinity (Total, Carbonate, a Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENT	S	
					Bottles					IC) Na,Mg)	Mn	, sulfate	हें	ie, and	ide						
1 2	GW094	-202	4-21-2020	0917	7	-		_	2	1	1*	1	1	1	-			—			
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6																					
COMMEN	ITS: *Dissolved Fe, Mn aliqu	ot was field filtered														<u> </u>					
												120								TB202-	68
SAMPLER	Messen	Tet						CC	URIER	AND SI	HPPING	NUMBER	Fe	dEx 7	70	2 4	1267	436	0		
Printed	ame and Signature:	RELINQUISHED BY:			DATE		TIME		-1-d b.		0:			RECEIVED						DATE	TIME
4	Doma Mexel	yer In	Mar	4-2	1-200	20 1	706		nied Na	me and	Signatur	e:									
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rinted Na	me and Signature:							Pri	nted Na	me and	Signatur	e;									
	THE REST COMMENTS OF THE PARTY																				

	- 0	225 Schiling Circle Suite 400 Hunt Valley MD			:H	ΔΙΝ	V-C)F_	CI	10	ТО	DΥ	DI	ECO	DF	`		COC NUMBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625			/ 1 1/	711	4-0	/ -			10	וטו	LI	_00	ΓL	,		COC-095-202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	and the second	NAME AND CONTAC				F/	AX AND	MAILR	EPORTS	S/EDD TO				@eaest.c		YEAR.
Facility			2425 New Hol	land Pike Lancas	ter PA	1760	1	F	AX AND	MAIL R	EPORTS	S/EDD TO				eaest.cor		2020 QUARTER:
PROJEC	CT SITE AND PHASE:		Lab PO Number:	14000														2 (Apr-Jun)
ST106/S			Lab FO Number.	14000							Kay How			er@eurofinsU	S.com	Е	urofins 1 (717) 556-7258	3
				1	A٨	VALYS	SIS RE	QUIR	RED (S	specify	numb	er of bo	ttles)					
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles		(8260C). BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS
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COMMEN	ITS: *Dissolved Fe, Mn aliqu	of was field filtered																
Pleas	se run MS/MSD o s/BTEX/BTEXN,	on the following an EDB, Total As and	Pb, and diss	solved Mn an	d Fe													
SAMPLE	BIST OF THE	SN: 1807B	132															TB202- 83
	D. Schn	<i>Lelk</i>						CC	DURIER	AND SI	HPPING	NUMBER	Fe	edEx 7	70	2	4271 7	
Printed Na	ame and Signature:	RELINQUISHED BY:			ATE		TIME							RECEIVED			76/1 /	DATE TIME
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Printed Na	ame and Signature:	7//	/4		, 00	20 1	DIV	Pri	nted Na	me and	Signatur	9:						
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	;H/	111	1-O	F-	Cl	JS	ΓΟΙ	DY	RE	ECO	RD)		COC NUMBER
PROJE	OT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORYA	NAME AND CONTACT										:				COC-096-202
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	es			FA	AX AND	MAIL R	EPORTS	S/EDD TO				eaest.con		YEAR: 2020
Facility			2425 New Hol	land Pike Lancas	ter PA	17601		FA	AX AND	MAIL R	EPORTS	EDD TO	: Pam	Moss: pn	noss@e	aest.con	n EA	QUARTER: 2 (Apr-Jun)
PROJECT ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	BCON	TACT:	Kay How	er k	ayHowe	er@eurofinsU	S.com	E	urofins 1 (717) 556-7258	
					AN	ALYS	IS RE	QUIR	ED (S	Specify	numbe	er of bo	ttles)		I			
									I	T	T		1		-			COMMENTS
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	•	
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СОММЕ	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered													The second se			
	Pump SN:	: 1808-40	2															TB202-90
SAMPLE	R(S): D. Schu	eelk					,	CC	OURIER	AND SI	HIPPING	NUMBE	R: Fe	edEx 7	70	4 ;	2395 7753	
Printed N	ame and Signature:	RELINQUISHED BY:		. E	DATE		TIME							RECEIVED		1 -	-515 (150	DATE TIME
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Printed N	ame and Signature:	.170	11m		0 70.	20	0 / 0		inted Na	ame and	Signatur	α.						
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			, /-	/11 A.	-01			0		וט	ΝL		NL	,				CO	C-097	-202
1	OT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAILR	EPORTS	S/EDD TO				eaest.com			YEA	R:	20	20
Facility		0200001101		land Pike Lancas		7601		FA	X AND	MAIL R	EPORTS	S/EDD TO				aest.com			QUA	RTER:	2 (Ap	r-Jun)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LAI	B CON	TACT: I	(ay How	er K	ayHow	er@eurofinsU	S.com	E	urofins	1 (717) 556-	7258			-
					ANA	ALYSI	SREQ	UIRE	ED (S	pecify	numb	er of bo	ttles)									
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	•		CC	OMMENTS		-
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COMME	NTS: *Dissolved Fe, Mn alid																	~~~				
		Pomp SN: nee 1K	1807B-	5 52																	TB202	-86
SAMPLE	ER(S): D. Suhu	neelk					W/1000000000000000000000000000000000000	CC	OURIER	R AND S	HIPPING	G NUMBE	R: F	edEx 7	70.	3 6	56	3 85	ラフト			
Drinted N	Name and Signature:	RELINQUISHED BY:			DATE		TIME				10:		***********	RECEIVED	BY:					[DATE	TIME
Fintedi	D. Schue	elk 9)	16	5-	1-20	20 1	700		rinted iv	ame and	Signatu	ure:										
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			, I] /-	111/	1-0			10		Uĭ	K	=00	KL	,		CO	C-098-	-202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	AX AND	MAIL R	EPORTS	S/EDD TO				eaest.com		YEAR:	202	20
Facility				land Pike Lancas		17601		FA	X AND	MAIL RI	EPORTS	S/EDD TO		-		aest.com		QUARTER:	2 (Apr	-Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number	14800				LA	B CON	TACT: I	Kay How	er k	ayHow	er@eurofinsl	JS.com	Et	rofins 1 (717) 556-7258	8		
	1				AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
1	GW098	-202	5-1-2020	0946	10	_	3		2	1	1*	1	1	1	-				—	
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6								_												
COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																		
		Prup SN:	1807B-	752															ГВ202-	86
SAMPLE	(R(S): D. Sch	meelk					-	C	OURIEF	RANDS	HIPPING	NUMBE	R: F	edEv -	מר' ז	36	563 857		10202	00
Drintod N	lame and Signature:	RELINQUISHED BY:			DATE		TIME	_						RECEIVED			303 03 /		ATE	TIME
Plinted N		ieelk (1 //	2 1	. 7	900	. 70	-	rinted Na	ame and	l Signatu	ire;								
Printed N	U. Donw.	reen c	tyme	5.	1-2	024	170		rinted Na	ame and	Signatu	ice.						1		
										ro allo	- Signatu							900		
Printed N	lame and Signature:							Pr	inted Na	ame and	Signatu	re:								-
		\$P. 500, 57 (200), 100 (200)																		

		225 Schiling Circle Suite 400 Hunt Valley MD		C	:HA	ΛΙΔ	1-0	F-	CL	15	ΓΩ	DΥ	RI	ECO	RD)			COC NUM	IBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625				111							1 (1	_00	110			C	OC-099	9-202
	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND	MAIL R	EPORT	S/EDD TO			amond@ smith@e			YEAR:	20	020
Facility				land Pike Lancas		17601		FA	X AND	MAIL R	EPORT	S/EDD TO			moss@e			QUARTER:	2 (Ap	or-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CON	TACT: I	Kay How	ver I	KayHow	er@eurofinsU	JS.com	E	urofins 1 (717) 556-725	58		
	,				AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of b	ottles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMEN	TS	
1	GW099	-202	5-5-2020	11/1	10	_	3	-	2	1	1*	1	1	1	-	-				
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4					A	1				-			_			-				
5					12	N														***************************************
				-																
6	,																			
COMME	NTS: *Dissolved Fe, Mn aliqu	uot was field filtered													-					
,																				
			pump: 1	807B-752															TB202	28
SAMPLE	R(S): D. Schmeelk							C	OURIER	RANDS	HIPPIN	G NUMBE	ER: F	edEx	720	2 9	351 1105		10202	-00
Deinte d M		RELINQUISHED BY:			DATE		TIME							RECEIVED		2 1	221 1102		DATE	TIME
Printed IV	ame and Signature:	9		5-5	-702	Ò	160		inted Na	ame and	I Signatu	ure:								
Printed N	y lat Schneelk		,	- 3			164		inted Na	ame and	Signatu	nte.								

Printed N	ame and Signature:							Pr	inted Na	ame and	I Signatu	ure:								
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	B	225 Schiling Circle Suite 400 Hunt Valley MD			NI L	A 1 A	1		α	10-		D\/		-00				CO	C NUME	RED
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	<i>γ</i> Π <i>/</i>	4111	1-C)r-		12	10	UY	K	ECO	KL)			C-100-	
	T NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	T:	-		FA	AX AND	MAIL R	EPORTS	S/EDD TO:	Tara L	amond: tla	amond@	eaest.co	m EA	YEAR:	J-100-	202
Kirtlan- Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lan 2425 New Ho	caster Laboratorie Iland Pike Lancas	es ter PA	17601							Amano	la Smith: as	smith@e	aest.com	EA EA	QUARTER:	20	20
DPO IEC	T SITE AND PHASE:													тово. р	11000@0	4031.0011		QUARTER.	2 (Apr	-Jun)
ST106/S			Lab PO Number	: 14800				LA	BCON	TACT: I	Kay How	rer Ka	ayHowe	er@eurofinsU	S.com	Eu	rofins 1 (717) 556-7258	3		
				1	AN	IALYS	IS RE	QUIR	ED (S	specify	numb	er of bot	ttles)	1						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
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2																				
3				^																
4				Jun																
- 5				APP																
6			The second of th	V																
COMMEN	ITS: *Dissolved Fe, Mn aliqu																			
		Pump: 18	073-752															Т	B202-	RQ
SAMPLER	D. Schneck	*						CC	DURIER	AND SI	HIPPING	NUMBER	Fe	edEx	7703	9	351 1105			00
Printed Na	ime and Signature:	RELINQUISHED BY:	, ,		DATE		TIME		ate d t '		01			RECEIVED	BY:		,51 1.05	DAT	E	TIME
	Dylan Schni	selk Tola		-1 5-5-	2020	1	600	-	nied Na	ame and	Signatu	re:		-						
Printed Na	me and Signature:								nted Na	me and	Signatur	re:								
Drinted **																				
ennted Na	me and Signature:			-				Pri	nted Na	me and	Signatur	'e:								

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	H	AII	1-C	F-	CL	JS	ГО	DY	RI	ECO	RD)				C	OC NUN	IBER
DBO IEC	CT NAME:	Fax No. (410) 771-1625																		CC	C-101	-202
	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Marian Control of the	NAME AND CONTAC				F	AX AND	MAILR	EPORTS	S/EDD TO				eaest.co			YI	EAR:	21	020
Facility		02039DW01	2425 New Ho	land Pike Lancas	es ter PA	17601		F	AX AND	MAIL R	EPORTS	S/EDD TO				aest.com				HADTED:		J2U
								1				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		111000. pr	11033@6	aest.com	EA		Q	UARTER:	2 (Ap	r-Jun)
PROJEC ST106/S	CT SITE AND PHASE: S111		Lab PO Number	14800				L	AB CON	ITACT:	Kay How	ver K	ayHow	er@eurofinsU	S.com	Eu	rofins	1 (717) 556	3-7258			
					AN	ALYS	SIS RE	QUIR	ED (S	Specify	numb	er of bo	ttles)		T							
								1	Τ̈́	i -		_	1		-				(COMMENTS		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of	(8260C	(82) BT	(82) BTI	(80 EI	(6020A Total (As,Pb	(6010C) Dissolved Fe,	(300.0) Chloride, bromide,	(3 Nitrate	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RS) Carbor	(RS) Me						
					er of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) I (As,Pb,Ca,K,Na,Mg)	10C) d Fe, Mn	(300.0) bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity , Carbonate, and Sicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane						
1	GW101	-202	5-4-2020	1007	10	_	3	_	2	1	1*	1	1	1	-							
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4												Married World World World World	Control Married				-			5/4		
5													-					-				
6				1																		***************************************
COMMEN	NTS: *Dissolved Fe, Mn aliqu	unt was field filtered	_																			
SAMPLE	Primp	5N:1807B	-752		·				3. 4												TB202	. 87
DAMPLE	(S) G-Bega	DC .						C	DURIER	RANDS	HIPPING	NUMBER	R: Fe	edEx 7	70	3 8	319	4 41	59			
Printed Na	ame and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED					- /	D	ATE	TIME
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Printed Na	ame and Signature:	020)	140	2 3-1	1 - 20	20	07'1		inted No		Circuit				-							
					-				ii keu Na	ame and	olgnatu	re:			***************************************							
rinted Na	ame and Signature:							Pri	inted Na	ame and	Signatur	re.										
	1					T				and and	oigi ratul							***************************************				

	CT NAME:	400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	(СН	AI	N-C	DF.	-Cl	US	TC	DY	R	ECO	RE)				DC NUM	
acility		62599DM01	Eurofins Lar	NAME AND CONTAG caster Laborator blland Pike Lanca		A 1760)1	- 1				S/EDD TO	Aman	da Smith: a	asmith@	@eaest.co	m EA	YE	AR:	C-102-	Security of the Party of the Pa
ROJEC T106/S	CT SITE AND PHASE: S111		Lab PO Number			-					Kay Ho			Moss: p		eaest.co	m EA Eurofins 1 (717) 55		ARTER:	2 (Apr	-Jun)
					1A	VALY	SIS RE	QUIF	RED (S	Specify	v numt	per of bo						30-7236			
TEM	SAMPLEIDE		DATE COLLECTED 5-4-2020	SOLLEGIED	Total Number of Bottles					Total (A		(300.0) Chloride, bromide, sulfate		(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		CC	OMMENTS		
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MENTS	S: *Dissolved Fe, Mn aliquot	vas field filtered													1	1					Pillian or State of S
LER(S)	and Signature:	ELINQUISHED BY:	7B-75	² 2	ΓE		TIME					IUMBER:		Ex 7		3 (8194 (1159	TI	3202- {	37
Name	D. Schwiese and Signature:	LIK, E	leve	54-20	20	1	700	Printe	ed Name	and Si	gnature:		1,	CCLIVED B	Τ,				DAT	E	TIME
	and Signature;							Printe	d Name	and Sig	nature:						ž				
					-	-		j.													

	225 Schling Cicle Suite 400 Hart Valley MID Tel No. (410) 584-7020 Fast No. (410) 771-1625 DECT NAME: PROJECT NUMBER: LABORATORY NAME AND CONTACT: [FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA													
PROJECT		LABORATORY NAME AND CONTA	ACT:	EAY AND MAIL BEDORT	IS/EDD TO: Tara Lamond: Hamond@caset	COC-103-202								
Kirtland	AFB Bulk Fuels 62599DM01	Eurofins Lancaster Laborato	ries	I AX AND WAIL HEF ON	Amanda Smith: asmith@eaest.co									
Facility	,	2425 New Holland Pike Lanc	aster PA 17601	FAX AND MAIL REPORT	TS/EDD TO: Pam Moss: pmoss@eaest.co	om EA QUARTER: 2 (Apr-Jun)								
PROJECT ST106/SS	SITE AND PHASE:	Lab PO Number: 14800		LAB CONTACT: Kay Ho	ower KayHower@eurofinsUS.com	Eurofins 1 (717) 556-7258								
			ANALYSIS REQU	JIRED (Specify num	ber of bottles)									
ITEM	SAMPLE IDENTIFIER .	DATE COLLECTED TIME COLLECTE	BIEXN BIEX BIEX (8260C) VOCS VOCS Total Number of Bottles	Dissolved Fe, Mn (6020A/6010C) Total (As,Pb,Ca,K,Na,Mg) (8011) EDB (8260C)	(RSK-175) (Methane (RSK-175) (RSK-175) (Carbon Dioxide (SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate, and Bicarbonate) (333.2) Nitrate-Nitritte (300.0) CHoride, bromide, sulfate	COMMENTS								
1	GW103-202	4-10-2020 1049	7	- 2 1 1*	1 1 1 -	<u> </u>								
2	OVV100 202	710.2020 1011												
3														
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5														
6														
	TS: *Dissolved Fe, Mn aliquot was field filtered					TB202-47								
SAMPLER	R(S): J. Messenger RELINQUISHED BY:			COURIER AND SHIPPII	NG NUMBER: FedEx 770	2 1539 7200								
Printed Na	RELINQUISHED BY:		DATE TIME	Drinted Name and Cines	RECEIVED BY:	DATE TIME								
J.	Mes server une and Signature:	May 14	1-10-2020 1400	Printed Name and Signa Printed Name and Signa										
Printed Na	ame and Signature:			Printed Name and Signa	ature:									

							_		. .			>>/		001	20			C	OC NUMBER	3
		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	IN	-O	F-(JU	SI	OL	JΥ	KE	COF	KU			C	OC-104-2	02
		Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT:				FAX	(AND I	VAIL RE	PORTS/	EDD TO:			mond@			YEAR:	2020	
PROJECT Kirtland Facility	NAME: AFB Bulk Fuels	62599DM01	Furofins Lanc	aster Laboratories and Pike Lancaste	3	7601		FAX	(AND I	MAIL RE	PORTS/	EDD TO:			mith@ea noss@ea			QUARTER:	2 (Apr-J	un)
DBO IEC	SITE AND PHASE:		Lab PO Number:	14800				LA	CONT	ACT: K	ay Howe	er Ka	ayHowe	r@eurofinsU	S.com	E	urofins 1 (717) 556-7	7258		
ST106/SS	5111				AN	ALYSI	S RE	QUIRE	ED (S	pecify	numbe	er of bo	ttles)							
												100		2				COMMEN	15	
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
1	GW10	14.202	4-16-2020	0826	7	_		_	2	1	1*	1	1	1	_				<i></i>	
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COMME	ENTS: *Dissolved Fe, Mn a	aliquot was field filtered																4.		
																			TB202-	56
									COURI	ER AND	SHIPPI	NG NUME	BER:	T - 11 - 1	フロ	0	1 4261	6036		
SAMPL	ER(S): Nesse	ngor			DATE		TU							RECEIV		VZ	1,201	0-08	DATE	TIME
		RELINQUISHED BY:							Printed	Name a	and Signa	ature:								
Printed	Name and Signature:	10	M	. 4.	16-2	070	196	00												
Printer	Name and Signature:	Messenger	the Ive	1	10 -	000	710		Printed	Name a	and Sign	ature:								
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Г	100	225 Schiling Circle Suite	T																	
		400 Hunt Valley MD Tel No: (410) 584-7000		C	H	111	1-O	F-	CL	JS	ΓΟΙ	DY	R	ECO	RD)			NUMBE	3000
PROJE	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	T:			EA	YAND	MAII D	DODTO	VEDD TO	Torol	amond: tla			- 51		-105-2	.02
Kirtlan Facilit	nd AFB Bulk Fuels	62599DM01	Eurofins Lan	aster Laboratori	es	47004							Aman	da Smith: ası	mith@e	eaest.com	EA	YEAR:	2020)
	***************************************		2425 New Ho	land Pike Lancas	ter PA	1/601		FA	X AND	MAILR	PORTS	S/EDD TO	: Pam	Moss: prr	noss@e	aest.com	EA	QUARTER:	2 (Apr-J	lun)
PROJECT ST106/S	CT SITE AND PHASE: SS111		Lab PO Number	14800				LA	BCON	TACT: I	(ay How	er K	ayHow	er@eurofinsUS	S.com	Eu	rofins 1 (717) 556-7258			
				1	AN	ALYS	SIS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
1	GW105	i-202	4-8-2020	1051	7	_		_	2	1	1*	1	1	1						
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	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																TE	3202-	28
SAMPLE	R(S): Nesspr	925						C	DURIER	RANDS	HIPPING	S NUMBE	R: F	edEx 8	137	20	565 9676			
Printed N	Name and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED		<i>y</i> - 0		DAT	E	TIME
75.1001	Johna Messen		\mathcal{M}		6 2.	22	760		inted N	ame and	Signatu	re:	-							
Printed N	Vame and Signature:	ier Jun	. 1111	7	8-60	20 1	/60		inted N	ame and	Signatu	re:								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000			:HA	AIL	1-0	F-	CI	IS.	ГО	nv	P	EC	75	חכ	١			-	T	CC	DC NUMB	BER
PRO IE	OT NAME:	Fax No. (410) 771-1625				***						וט	1 \1			(D						CO	C-106-	202
	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	S/EDD T		Lamond:		nond@	eaest.	om E	A		YEA			
Facility	,		2425 New Ho	land Pike Lancas	ter PA	17601		FA	X AND	MAIL R	EPORTS	S/EDD T	Aman O: Pam	da Smith: Moss:			aest.co		A				202	20
PRO IEC	CT SITE AND PHASE:														pine	200000	4031.00				QUA	RTER:	2 (Apr	-Jun)
ST106/S	SS111		Lab PO Number:	14800				LA	B CON	TACT:	Kay How	er	KayHow	rer@eurof	insUS.	com	E	urofins	1 (71)	7) 556-7	258	-		
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									1					T							CO	MMENTS		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				33			
1	GW106	-202	4-8-2020	1120	7				2	1	1*	1	1	1	+	_								
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OMMEN	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered	SA SECTION AND ADDRESS OF THE PROPERTY OF THE																					
AMPLER	R(S): Messens	25						co	URIER	AND SH	IPPING	NUMBE	R:		67								ГВ202-	27
	0	RELINQUISHED BY:			DATE		TIME						Fe	edEx	91	37	2	56	50	36	87			
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		7	0					Prin	ited Na	me and	Signatur	e:												
inted ti-	ama and Cinnat																							
iii.ed Na	me and Signature:							Prin	ted Nar	me and	Signature	9 :												
																-	-							

		225 Schiling Circle Suite 400 Hunt Valley MD			٨Ц٨	INI	0	_	\sim 1	10-				-00				COC	NUMBER	D
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	, 17/-	1111	-0	Γ-		10	10	υY	K	ECO	KL)				
	CT NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTACT	T:			FA	XAND	MAIL R	EPORTS	S/EDD TO	: Tara L	.amond: tl	amond@	geaest.com	n EA	YEAR:	-107-20	J2
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land 2425 New Hol	aster Laboratorie	es ter PA 1	17601						S/EDD TO	Amano	da Smith: a:	smith@e	aest.com	EA		2020	:
PROJEC	CT SITE AND PHASE:					.,							. Pam	Moss; pi	moss@e	aest.com	EA	QUARTER:	2 (Apr-Ju	un)
ST106/S	SS111		Lab PO Number.	14800				LA	B CON.	TACT: I	Kay How	er K	ayHow	er@eurofinsU	S.com	Eur	ofins 1 (717) 556-7258	3		
	1				ANA	ALYSI	SREC	QUIRI	ED (S	pecify	numb	er of bo	ttles)		T	-				
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	-	COMMENTS		8
1	GW107	7-202	4-8-2020	1079	7			_	2	. 1	1*	1	1	1						
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	NTS: *Dissolved Fe, Mn aliq	uor was item filtered				*												TI	3202- 🐊	0.0
SAMPLE	R(S): Nessen	205						cc	URIER	AND SI	HIPPING	NUMBE	R: _	IF 60	2	- 0	THE OWN		5202-	-8
		RELINQUISHED BY:			DATE		TIME	-						RECEIVED	15	12	565 967	6		
Printed N	ame and Signature:	1-	\A					Pri	nted Na	me and	Signatur	re:		KEGEIVED	ы,			DAT	E	TIME
	Joshua Mes	senger Im	- IV	- 4-8	-202	01'	7DE													
Printed N	ame and Signature:	0 0		5		-	1		nted Na	me and	Signatur	re:								
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		225 Schiling Circle Suite 400 Hunt Valley MD	IN-	OF	-CI	IS	ГО	DΥ	RF	ECO	RD)		T	COC N	JMBER				
		Tel No: (410) 584-7000 Fax No. (410) 771-1625				VII W	O 1	0		. 0	וטו	1 (1	_00		6		(COC-149	-484-2	202
	CT NAME: Id AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT caster Laboratorie	s						S/EDD TO	Amano	da Smith: as	amond@ smith@e		n EA	YEAR	and the same of th	2020	
				lland Pike Lancas	ter PA 1	17601		FAX AN	D MAIL R	EPORTS	S/EDD TO	: Pam I	Moss: pr	moss@e	aest.con	n EA	QUAR	RTER: 2 (Apr-Jui	n)
ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LABCO	NTACT:	Kay How	ver K	ayHowe	er@eurofinsU	S.com	E	urofins 1 (717) 556	-7258			
	1				ANA	ALYSIS	REQU	IRED (Specify	numb	er of bo	ttles)			-	1				
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	BTEXN (8260C)	EDB (8260C)	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg) (8011)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COM	MMENTS		
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	NTS: *Dissolved Fe, Mn al	iquot was field filtered		20														TB2	02-5	2
SAMPLE	R(S): G-Begg	we					//	COURIE	ER AND S	HIPPIN	G NUMBE	R: Fe	edEx 7	770	2	4261.	534	19		
Printed N	Name and Signature:	RELINQUISHED BY:			DATE	T	IME						RECEIVED		-	0 1	1	DATE		TIME
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		225 Schilling Circle Suite					_		211	0.7	0	71/	DE	COL	חכ			C	OC NUMBER	
		400 Hunt Valley MD Tel No: (410) 584-7000		С	HΑ	IN.	-O	- -(JU	51	OL	JΥ	KE	COF					151-484-2	202
PROJECT	ENIAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT				FAX	(AND I	AIL RE	PORTS	EDD TO				eaest.cor	n EA EA	YEAR:	2020	
	AFB Bulk Fuels	62599DM01	Furofins Lanc	aster Laboratories and Pike Lancast	6	7601		FAX	(AND I	MAIL RE	PORTS	EDD TO	Amanda : Pam M			est.com	EA	QUARTER:	2 (Apr-Ju	n)
			Lab PO Number:	14800				LAE	CONT	ACT: K	ay Howe	er K	ayHower	r@eurofinsUS	S.com	Eu	rofins 1 (717) 556-72	58		
PROJECT ST106/SS	T SITE AND PHASE: S111		Lab FO Number.						10			6 b -	ttloo)						· ·	
			,		ANA	ALYSI	SRE	ZUIRE	-D (S	респу	numbe	er of bo	nues)					COMMENTS	3	
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			*	
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COMME	ENTS: *Dissolved Fe, Mn a	aliquot was field filtered				-														
COMME	ENTS. Dissolved Fe, Mil a	inquot was note interes																		
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								T	COURI	ER AND	SHIPPI	NG NUM	BER:	EndEv	7	700	4261	596	7	
SAMPL	ER(S): 6 Beg				DATE		TIN	IE						RECEIVE			- 1201		DATE	TIME
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	a wesown	Beginse	511 []]	9-	16 11	iw	100		Printed	Name a	nd Sign	ature:								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 594-7000 Fax No. (410) 771-1625		С	HA	IN-	OF	C	US	ST	0[ΣY	RE	CC	RI)					C NUMB 152-48	
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX /	AND MAII	L REP	ORTS/	EDD TO:			tlamono				YEA	R:	203	20
Kirtland Facility	AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		7601		FAX	AND MAII	L REP	ORTS/	EDD TO:			asmith@ pmoss@			EA EA	QUA	RTER:	2 (Apr	-Jun)
PROJEC ST106/SS	T SITE AND PHASE: S111		Lab PO Number:	14800					CONTAC					r@eurofins	US.con	n	Eur	ofins 1 (717) 556	-7258			
					ANA	ALYSIS	REQ	UIRE	O (Spec	cify n	umbe	r of bot	ttles)		_					MMENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C)	(8260C) BTEXN	Total (As,Pb,Ca,K,Na,Mg) (8011) EDB		(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	Carbon Dioxide (SM2320B)	(RSK-175)	(RSK-175)			MINERIS		
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СОММЕ	NTS: *Dissolved Fe, Mn al	iquot was field filtered																				
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SAMPLI	ER(S): 6-Be	gaye					700000-0000	00	URIER A	NDSI	HIPPING	G NUMBE	F. F				2	4261	63			
		RELINQUISHED BY:			DATE		TIME		nted Nam	na and	Signati	Ira.		RECEIV	/ED BY	:					DATE	TIME
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	Name and Signature:					- 9 '	101	Pri	nted Nam	ne and	Signate	ure:										
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	and a second	225 Schiling Circle Suite			111	IAI	_	_ /	211	СТ		7V [) [00	חם						CO	NUMBI	ER
		400 Hunt Valley MD Tel No: (410) 584-7000		C	HP	III	-0	r-1	JU	01	OL	ווע		CO	טא					C	OC-1	53-48	4-202
PROJECT	T NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX	(AND N	MAIL RE	PORTS	EDD TO: T			amond@					YEAR:		202	0
	AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		17601		FAX	X AND N	MAIL RE	PORTS	ÆDD TO: F	manda Pam M		mith@e noss@e					QUART	ER:	2 (Apr	Jun)
	T SITE AND PHASE:		Lab PO Number:	14800		and the second		LAE	CONT	ACT: K	ay How	er Kay	yHower	@eurofinsl	S.com	E	urofins	1 (717) 5	556-7258	В			
ST106/SS	S111				AN	AI YS	SRE	OUIRE	ED (St	pecify	numbe	er of bott	les)										
			T			12.0			(-			-								COM	MENTS		
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMIZSZUD) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane							
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СОММЕ	NTS: *Dissolved Fe, Mn al	iquot was field filtered																				TB202	.59
SAMPL	ER(S): G-Be	gge						C	COURIE	RAND	SHIPPIN	IG NUMBE	R: F	edEx '	778	2	42	61	65	529			
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PROJEC	CT NAME:	PROJECT NUMBER:	LABORATORY N	NAME AND CONTAC	T:			FA	X AND	MAIL RE	PORTS	S/EDD TO	: Tara L	amond: t	lamond@	eaest.cor	n EA		YEAR:	COC			
		62599DM01															EA				202	20	
Facility	y		2425 New Hol	land Pike Lancas	ter PA	17601		FA	X AND	MAIL RE	EPORTS	S/EDD TO	: Pam I	Moss: p	moss@e	aest.com	EA		QUARTI	ER:	2 (Apr	-Jun)	
PROJECT ST106/S			Lab PO Number:	14800				LA	B CON	TACT: F	(ay How	er K	ayHowe	er@eurofinsl	JS.com	Eur	rofins 1 (717)	556-725	58	-			
					AN.	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)										
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMM	MENTS			
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СОММЕ	ENTS: *Dissolved Fe, Mn ali	quot was field filtered																		7	ГВ202-	. 20	2
SAMPL	ER(S): 5 Bego	rye						C	COURIE	R AND S	SHIPPIN	G NUMBE	R: F	edEx	81	37	2565	- 9	1805				
D		RELINQUISHED BY:			DATE		TIME				10:			RECEIVE			~~~				ATE	TIN	ŧΕ
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PROJEC		PROJECT NUMBER:		AME AND CONTACT				FA	X AND	MAIL RE	PORTS	EDD TO			lamond@				YEAR	!	202	0
Kirtlan Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancas		17601		FA	X AND	MAIL RE	PORTS	/EDD TO	Amand Pam M		smith@e omoss@e				QUAF	RTER:	2 (Apr-	Jun)
PROJEC	T SITE AND PHASE:		Lab PO Number:	14800				LA	B CONT	TACT: K	ay Howe	er K	ayHowe	er@eurofins	US.com	E	urofins 1 (717) 556-7	7258			
0110010	0111				AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bo	ttles)									
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C)· VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		a	COM	MMENTS		
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COMME	NTS: *Dissolved Fe, Mn ali	aunt was field filtered								-			1									
		•									ii.										TB202-	21
SAMPL	ER(S): 6. Beg	ingl						C	COURIE	RANDS	HIPPIN	G NUMB	ER: F	edEx	813	37	2565	5 9	816			
		RELINQUISHED BY:			DATE		TIME		Notation 1 1		d Cian-			RECEIV							DATE	TIME
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PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	:			FA	X AND N	MAIL RE	PORTS	EDD TO:				eaest.cor			YEAR:		2020	
Kirtland Facility	AFB Bulk Fuels	62599DM01		aster Laboratorie: land Pike Lancast		7601		FA	X AND N	MAIL RE	PORTS	EDD TO:				aest.com aest.com			QUARTER	2 ((Apr-J	un)
									D CONT	ACT. K	ay Howe	. V	av Haura	r@eurofinsl	IS com	Fu	rofins 1 (717)	556-7258				
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number.	14800										i @edioiiiisc	73.com		101113 1 (717)					
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ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMME	NI 3		
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СОММЕ	:NTS: *Dissolved Fe, Mn al	iquot was neid mitered												× v	-							
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SAMPL	ER(S): G-Beg	aye						C	OURIE	R AND	SHIPPIN	G NUMB	ER: F	edEx	813	37	2565	981	16			
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	10.000 mm (-570)																					
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	;H/	411	1-C	F-	CL	JS	ΓΟ	DY	RE	ECO	RD)			COC NUMBE	
PROJECT	NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTACT			-											C	OC-204-2	202
Kirtland Facility	AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	25	17601		-				S/EDD TO	Amano	la Smith: as	smith@e	eaest.com	EA	YEAR:	202	0
								1	OT AIND	WINIE IX	LFORT	או טטשומ	: Pam I	vioss; pr	noss@e	aest,com	EA	QUARTER:	2 (Apr-	Jun)
ST106/SS	SITE AND PHASE:		Lab PO Number:	14800		1		LA	B CON	TACT: I	Kay How	er k	ayHowe	er@eurofinsU	S.com	Eur	rofins 1 (717) 556-	7258		
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						I	I	QUIK	ED (3	pecny	numb		ittes)	T		T				
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENT	S	
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OMMENTS	S: *Dissolved Fe, Mn aliqu	of was field filtered		1												-				
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			/ /-	1117	-0	1 -	CC			וט	K		∇D				OC-205-20	
	CT NAME: nd AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	EDD TO			mond@			YEAR:	2020	_
Facilit		02333DIVI01	2425 New Ho	caster Laboratori lland Pike Lancas	ter PA	17601		FA	X AND	MAIL R	EPORTS	S/EDD TO			mith@e noss@e			QUARTER		ın)
PROJE	CT SITE AND PHASE:		Lab PO Number:	14800	-			LA	B CON	TACT: I	Kay How	er K	ayHow	er@eurofinsUS	S.com	E	urofins 1 (717) 556-	7258	2 (Api-3u	
01100/	55171				ΔN	ΔΙ ΥςΙ	SPE	OLUB	ED /S	nocific	numb	er of bo								
				1		1210	OIL	QUIIX	LD (3	i -	Humb		T	T	-	1		COMMEN	JTS	
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	·	COMME		
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	NTS: 'Dissolved Fe, Mn aliq																		TB202- /4	4
SAMPLE	. Me Gener	er .						CC	URIER	ANDS	HIPPING	NUMBE	R: Fe	edEx	813	7	2565 97	44		,
Printed N	lame and Signature:	RELINQUISHED BY:			DATE		TIME		nlad ti		C::			RECEIVED				1-0	DATE	TIME
	T , M	inger \	M	4-	7-202	20 1	701		rnea Na	arrie and	Signatur	re:								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	H	AIN	1-C	F-	CL	JS	ΓΟΙ	DY	RE	ECO	RD)			С	OC NUME	3ER
PROJEC	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTACT												***			CC	C-206-	-202
	d AFB Bulk Fuels	62599DM01	Eurofins Land	caster Laboratorie	s	17001							Amano	da Smith: as	mith@e	eaest.con	n EA		YEAR:	20	20
					er PA	17601		FA	AX AND	MAIL R	EPORTS	/EDD TO:	Pam I	Moss: pr	noss@e	aest.con	n EA		QUARTER:	2 (Apı	r-Jun)
ST106/S	ST SITE AND PHASE:		Lab PO Number:	14800				LA	B CON	TACT: I	Kay How	er Ka	ayHowe	er@eurofinsU	S.com	E	urofins 1 (717)) 556-7258			
					AN	IALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bot	ttles)		1						
ITEM		DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX			(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)		Chlo		(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMMENTS	3	
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COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																			
			,																	TB202-	14
SAMPLE	J. Messen	ger						CC	DURIER	AND SI	HIPPING	NUMBER	: Fe	edEx	812	7	2565	974			, .
Printed N	ame and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED	BY:	1	0000	. 1 /		DATE	TIME
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		225 Schiling Circle Suite					_	_ /	211	OT	-01	71/	DE	100	חכ	V.		C	OC NUMBE	R
		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	IN	-0	 (JU	51	OI	ŊΥ	KE	COF	₹ D			CC	C-207-2	202
PROJECT	L NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FA)	X AND N	MAIL RE	PORTS	EDD TO:				eaest.co		YEAR:	202	0
	AFB Bulk Fuels	62599DM01	Eurofins Land 2425 New Hol	aster Laboratorie and Pike Lancast	s er PA 1	7601		FAX	X AND N	MAIL RE	PORTS	S/EDD TO:				aest.com aest.com		QUARTER:	2 (Apr-	Jun)
Lucinity									B CONT	ACT: K	au How	er Ka	avHowe	r@eurofinsUS	S.com	E	urofins 1 (717) 556-72	258		
PROJECT	T SITE AND PHASE: 5111		Lab PO Number:	14800									•							
				1	ANA	ALYS	IS RE	QUIRE	ED (S	pecify	numb	er of bo		1		T		COMMENT	3	
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				×
1	014/00	7 202	4-10-2020	1852	7			_	2	1	1*	1	1	1	-	+-				-
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COMME	ENTS: *Dissolved Fe, Mn a	liquot was field filtered						-	- Account											
SAMPL	50/5)							Į.	COURIE	ER AND	SHIPPI	NG NUMB	BER: F		7	76	2 1539	711	TB202	.49
SAMIFL	A. Me 59	enger			DATE		TIN	4E						RECEIVE		,0	2 1551		DATE	TIME
Printed	Name and Signature:	√ RELINQUISHED BY			DATE				Printed	Name a	nd Sign	ature:								
	Joshva	Messenger	1 M	mer 4-	10-20	020	140	0												
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			3.															.		
Printed	Name and Signature:								Printed	Name a	nd Sign	ature:								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	:H/	IN	I-O	F-	CL	JS-	ΓΟΙ	DY	RE	ECOI	RD)		C	OC NUMBER
PROJEC	T NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTACT														CO	DC-208-202
	AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie land Pike Lancas	es	17601						S/EDD TO	Amano	ta Smith: as	mith@e	eaest.com aest.com	EA	YEAR:	2020
				iana i iko Landas	LEITA	17001		r^	N AIND	MAILR	EPORTS	S/EDD TO): Pam	Moss: pn	noss@e	aest.com	EA	QUARTER:	2 (Apr-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CONT	TACT: 1	Cay How	er k	KayHow	er@eurofinsU	S.com	Eur	rofins 1 (717) 556-725	58	
					AN	ALYSI	IS RE	QUIRI	ED (S	pecify	numb	er of bo	ottles)		Ī				
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Nun		1		(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	1	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENT	S
1	GW208	-202	4-10-2020	0921	7				2	1	1*	1	1	1	-				
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SAMPLE	ITS: *Dissolved Fe, Mn aliqu																		TB202-48
SAMPLE	A. Wessen	901						cc	URIER	AND S	HIPPING	NUMBE	R: Fe	edEx	7	70	2 15		7748
Printed Na	ime and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED		10	2 1)		DATE TIME
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Printed Na	ime and Signature:	T	in july	8 19 10			IVC		nted Na	me and	Signatur	e:							
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	:HA	AIN	1-C	F-	CL	JS	ГО	DY	RI	ECO	RD)			OC NUMBER
ROJECT	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	S/EDD TO			amond@			YEAR:	
acility			2425 New Ho	land Pike Lancas	ter PA	17601		FA	XAND	MAIL R	EPORTS	S/EDD TO	Amano D: Pam	da Smith: as Moss: pr	mith@e noss@e			QUARTER:	2020
ROJECT	SITE AND PHASE:		Lab PO Number	14900														QUARTER.	2 (Apr-Jun)
106/SS1	111		Lab i O ivamber.	14600				LA	BCON	TACT: I	Kay How	er k	CayHow	er@eurofinsU	S.com		Eurofins 1 (717) 556-725	18	
T			T		AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)						
ТЕМ	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENT	S
1	GW209	202	4-10-2020	0951	7			-	_										
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MENTS	S: *Dissolved Fe, Mn aliqu	of was field filtered																	
MPLER(S	s): \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\				4			·	NI IDIED	ANDO	II DOING	NUMBE							тв202-49
	11/02	RELINQUISHED BY:					~		ONIEN	AND SI	IIFFING	NOMBE	Fe	edEx 7		2	1539	7119	
ed Name	ne and Signature:	1	1		ATE		TIME	Pri	nted Nar	me and	Signatur	e:		RECEIVED	BY:				DATE TIM
	Doshua Me	SSERAPT &	In MA	4-10	-2021)	408												
ed Name	e and Signature:	J. J.	7,000	1		1	,		nted Nar	me and	Signatur	e;							
ed Name	e and Signature:							Prir	nted Nar	me and	Signatur	e;							
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625	4	C	H	411	1-C	F-	CL	JS	ΓΟ	DY	RE	ECC	OR	RD					NUME	
	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	S/EDD TO					eaest.com EA		YEAR:	COC	-212 20	
acility			2425 New Hol	land Pike Lancas	ter PA	17601		FA	X AND	MAIL R	EPORTS	JEDD TO	: Pam	da Smith: Moss:			aest.com EA aest.com EA		QUAR1	ER:		-Jun)
ROJEC T106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	BCON	TACT: I	Kay How	er K	ayHowe	er@eurofi	nsUS.c	com	Eurofins 1	(717) 556-725	58		z (Api	-Juii)
					AN	IALYS	SIS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)		Т							
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175)	(RSK-175) Methane		СОМІ	MENTS		
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MMEN	ITS: *Dissolved Fe, Mn aliqu	ot was field filtered																				
					*3															TC	202	29
MPLEF	(s): 6 / bego	ne			-			CC	URIER	AND S	HPPING	NUMBER	R: Fe	edEv (21	スク	OCCT	9/1	-	I E	202-	21
nted Na	ime and Signature:	RELINQUISHED BY:			ATE		TIME							RECEIV	ED BY	<i>ا د</i> :	2565	100	27	DATE		TIME
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ntod No	me and Signature:							-														
IIIGU IVA								Pri	nted Na	me and	Signatur	O.								-	-	



		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	AII	V-C)F.	-CI	19	TO	DV	DI	ECO	DE	`		COC	NUMBER
	T NAME:	PROJECT NUMBER:	14505474				,	J1	C		10	ז טי	K	=00	KL)			
rtland cility	AFB Bulk Fuels	62599DM01	Eurofins Lar	NAME AND CONTAC	T:			F	AX AN	D MAIL	REPORT	S/EDD T	O: Tara	amond: ti	amonda	Deaest.co	- 5:	COC	-213-20
· cinty			2425 New Ho	olland Pike Lancas	es ter PA	1760	1	1					Aman	da Cmith		eaest.com		YEAR:	2020
OJEC.	SITE AND PHASE:	1						ľ	AA ANL) MAIL I	REPORT	S/EDD TO	0: Pam	Moss: p	moss@e	eaest.com	n EA	QUARTER:	0 (0 - 1
106/88	111	**	Lab PO Numbe	14800	-		-		ABCON	NTACT:	Kay Hov	wer	KayHou	er@eurofinsU	10			1	2 (Apr-Ju
					ΔΛ	IALVO	CIC DI	1							S.com	Eu	urofins 1 (717) 556-7.	258	
					A	ALIS	NO KE	=QUIF	ED (S	Specify	/ numb	per of bo	ottles)				,		
ЕМ	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
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ENTS	: *Dissolved Fe, Mn aliquol	t was field filtered																	
.ER(S)	G-Bega	re																TR:	202-24
		RELINQUISHED BY:						COL	IRIER A	ND SH	PPING I	NUMBER:	Fed	IEV XI	37	7	565		-02- /
Name	and Signature:			DAT	E		TIME						, GC	RECEIVED B	~ ·	4	563	7665	
Name:	Vester Beand Signature:	gaze g	IlaBo	= 4-8-20	20	(7	100	Print	ed Nam	e and S	ignature							DATE	TI
								Printe	ed Name	e and Si	ignature:								
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	and Signature:							-			gnature:								

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	(A)	225 Schiling Circle Suite																	
		400 Hunt Valley MD Tel No: (410) 584-7000		, C	;HA	IN-	-OF	=-(CUS	TC	DDY	RE	ECO	RD)			OC NUMB	
PROJEC	TNIAME	Fax No. (410) 771-1625 PROJECT NUMBER;															CC	C-214-	202
Kirtland	AFB Bulk Fuels	62599DM01	Eurofins Land	NAME AND CONTACT aster Laboratorie	s			FAX	X AND MAIL	REPOR	RTS/EDD T				eaest.com		YEAR:	202	20
Facility			2425 New Hol	land Pike Lancas	ter PA 1	7601		FAX	X AND MAIL	REPOR	RTS/EDD T	O: Pam	Moss: pr	noss@e	aest.com	n EA	QUARTER:	2 (Apr	-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LAE	B CONTACT	: Kay F	lower	KayHow	er@eurofinsU	S.com	Eu	urofins 1 (717) 556-725	58		
					ANA	ALYSIS	REQ	UIRE	ED (Spec	fy nur	nber of b	ottles)		1					
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total N				Tot		Chloride,		(SM2320B) Alkalinity (Total, Carbonate, a Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
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1	GW214	1-202	04-08-2020	1040	7			.	2 1	1	* 1	1	1						
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COMMEN	VTS: *Dissolved Fe, Mn alic	quot was field filtered		L													Algorithm .		
																		TB202-	30
SAMPLE	(S) G-Bega	7e						CC	OURIER AND	SHIPP	ING NUME	ER: F	edEx						
Printed M	ame and Signature:	RELINQUISHED BY:			DATE	I	TIME						RECEIVED	BY:]	DATE	TIME
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Printed N	ame and Signature:	July Mi		17 0	40 L	0 1 1			inted Name a	and Sign	ature:								
			2						***************************************						***************************************				
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		225 Schiling Circle Suite																			
		400 Hunt Valley MD Tel No: (410) 584-7000		C	CHA	IN	I-O	F-	CL	JS	ГО	DY	RE	ECO	RD)				OC NUM	
PROJE	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	I ABORATORY N	IAME AND CONTAC	т.			I-1	VAND	MANUE DI	DODT	VEDD TO								DC-215	-202
	d AFB Bulk Fuels	62599DM01		aster Laboratori				F/	X AND	WAILR	PORTS	S/EDD TO				eaest.com			YEAR:	20	20
Facilit	У			and Pike Lancas		7601		FA	X AND	MAIL RI	PORTS	S/EDD TO				aest.com			QUARTER:	2 (Ap	r-Jun)
PROJE	CT SITE AND PHASE:		Lab PO Number:	14800				LA	B CON.	TACT: I	(ay How	er k	ayHow	er@eurofinsU	S.com	E	rofins 1 (717)	556-7258			,
					ANA	LYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)		1						
					Total									(Total, Bic	Carl				COMMENT	S	
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane					
1	GW21	5-202	04-08-2020	1015	7	_		_	2	1	1*	1	1	1	-						
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COMME	NTS: *Dissolved Fe, Mn alic	guot was field filtered													1						
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	6-109	RELINQUISHED BY:			DATE							711011101	" F	edEx							
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		225 Schilling Circle Suite 400 Hunt Valley MD			\L/	11/		\	CI	10-	T	DV		-00				COC NUMBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625			1 17	1117	1-0	· [-	$C_{\mathcal{C}}$	10	IO	DΥ	K	ECO	KL)		
	CT NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	T:			F	AX AND	MAILR	EPORTS	S/EDD TO	Taral	amond: the	manda	Deaest.c		COC-216-202
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land 2425 New Ho	aster Laboratori Iland Pike Lancas	es ster PA	17601						S/EDD TO:	Amano	ta Smith: as	mith@e	eaest.com	m EA	YEAR: 2020
PROJEC	CT SITE AND PHASE:		Lab PO Number	14900			F10, 2								= = = = = = = = = = = = = = = = = = = =	24651,001	III EA	QUARTER: 2 (Apr-Jun)
ST106/S	S111		Lab FO Number	14800						ITACT:				er@eurofinsU	S.com	Е	Eurofins 1 (717) 556-7258	
					AN	ALYS	IS RE	QUIR	RED (S	Specify	numb	er of bo	ttles)		T			
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS
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5		(1)			_													
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COMME	ITS: *Dissolved Fe, Mn aliqu	ot was field filtered																
VOC	se run MS/MSD o s/BTEX/BTEXN,	EDB, Total As an	nalytes only: d Pb, and dis	solved Mn an	d Fe													TD000 17
SAMPLE	R(S): G-Beg	ane				-	-	cc	OURIER	AND S	HPPING	NUMBER	_		71-	2 -7	7:-1:- 1	TB202- / 7
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	;HA	AIN	1-0	F-	CL	JS	ΓΟΙ	DY F	REC	COI	RD)	***************************************		OC NUMBER
PROJEC Kirtland Facility	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Lanc	AME AND CONTACT aster Laboratorie and Pike Lancast	s	17601						S/EDD TO: Ta Am S/EDD TO: Pa	nanda Si	mith: as	mith@e	eaest.com	n EA	YEAR: QUARTER:	2020
PROJECT ST106/SS	T SITE AND PHASE: S111		Lab PO Number:	14800	-			LA	B CON	TACT: I	Kay How	er KayH	lower@e	eurofinsUS	S.com	Е	urofins 1 (717) 556-725	58	2 (Apr-Jun)
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bottle	es)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Nitrate-Nitrite (300.0) Chloride, bromide, sulfate	Bicarbonate) (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and	(RSK-175) Carbon Dioxide	(RSK-175) Methane	,	COMMENTS	
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MPLER	TS: *Dissolved Fe, Mn aliqu																	1	ГВ202- <i>(8</i>
NIVIE LEIN	(S): 6- Bega							cc	URIER	AND SI	HPPING	NUMBER:	FedE	Ξx	81	37	2565	9780	10202-10
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	:HA	IN	-0	F-	CL	IST	ΓΩΙ	DY	RF	ECOI	RD)		CC	DC NUMB	ER
000 15		Fax No. (410) 771-1625					_								110	•		CO	C-218-	202
The second second	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie lland Pike Lancas	es	17604						EDD TO	Amano	da Smith: as	mith@e	eaest.cor	n EA	YEAR:	202	20
				iana Fike Lancas	Lei PA	17601		FA	W AND	MAIL KI	=PORTS	S/EDD TO	: Pam	Moss: pn	noss@e	eaest.cor	n EA	QUARTER:	2 (Apr	-Jun)
PROJECT ST106/S	CT SITE AND PHASE: SS111		Lab PO Number	14800			CO. Service and Assess	LA	B CON	TACT: H	(ay How	er K	(ayHowe	er@eurofinsU	S.com	Е	urofins 1 (717) 556-7258			
					· AN	ALYSI	SREC	QUIR	ED (S	pecify	numbe	er of bo	ttles)		T					
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		5
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СОММЕ	NTS: *Dissolved Fe, Mn aliq	uot was field filtered												L						
SAMPLE	D/S).	-																,	TB202-	18
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Facility 2425 New Holland Pike Lancaster PA 17601 FAX AND MAIL DEPORTS EDITOR DEP	COC-219-202 YEAR: 2020 QUARTER: 2 (Apr-Jun) COMMENTS
Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 EA 2425 New Holland Pike Lancaster PA 17601	YEAR: 2020 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: Lab PO Number: 14800 LAB CONTACT: Key Hower KayHower@eurofinsUS.com Eurofins 1 (717) 559-7258	2 (Apr-Jun)
ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) Carbon Dissolved Fe, Mn (85K-175) (8250C) BIESON Output (8250C) BIESON Output (8250C) Output (
Total Number of Bottles	COMMENTS
DATE COLLECTED TIME	COMMENTS
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COMMENTS: *Dissolved Fe, Mn aliquot was field filtered	
	TB202- / 9
SAMPLER(S): 6 Begaze COURIER AND SHIPPING NUMBER: FOURTH SYLZZ 25/15 A 201	1B202- / /
COURIER AND SHIPPING NUMBER: FedEx 8/37 2565 9790 RELINQUISHED BY: DATE TIME RECEIVED BY:	
Galveston Begane SIL Bee 4-7-2020 1700	DATE TIME
Printed Name and Signature: Printed Name and Signature:	
Finited Maine and Signature;	
Printed Name and Signature: Printed Name and Signature:	

PROJECT NAME: ROJECT NAME LABORATORY NAME AND CONTACT: Eurofina Lancaster Laboratories 2425 New Holland Pike La	NUMBER	COC				DD	\sim	RF)V	ΓΩΙ	IS-	CI)F.	J -C	ΔΙΝ	;H;			225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		
Reference	220.202	COC	ŀ			ND	CO	1	J 1	0			, ,	, ,					Fax No. (410) 771-1625	ME	DDO IEC
2425 New Holland Pike Lancaster PA 17601 FAXAND MAL REPORTS/EDD TO, Pam More: prosaggiowed com EA QUARTER 2 PROJECT SITE AND PHASE: Lab PO Number 14600 Lab CONTACT: Kay Hower Key-Hower Generalists com Eurofins 1 (7/17) 556-7258 ANALYSIS RECUIRED (Specify number of bottles) TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED TIM		- Constitution of the Cons								EPORTS	MAIL R	AX AND	F								Kirtland
PROJECT SITE AND PHASE: LID PO Number: 14800 ANALYSIS REQUIRED (Specify number of bottles) TIEM SAMPLE IDENTIFIER DATE COLLECTED TIME TIME RECEIVED BY: Printed Name and Signature	2020	OUARTER.						manda Pam M	EDD TO:	EPORTS	MAIL R	AX AND	F	Ĺ	17601	ster PA	lland Pike Lancas	2425 New Hol			Facility
ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) COMMENTS ANALYSIS REQUIRED (Specify number of bottles) COMMENTS ANALYSIS REQUIRED (Specify number of bottles) COMMENTS COMMENTS ANALYSIS REQUIRED (Specify number of bottles) COMMENTS COMMENTS COMMENTS TIME COURSER AND SHPPING NUMBER FEELENQUISHED BY: DATE TIME COURSER AND SHPPING NUMBER FEELENQUISHED BY: COURSER AND SHPPING NUMBER FEELENQUISHED BY: DATE TIME Printed Name and Signature. Printed Name and Signature.	2 (Apr-Jun)	QUARTER.		LA.													14000	Lab BO Number	L	TE AND PHASE:	PROJECT
TIEM SAMPLE IDENTIFIER		8	7) 556-7258	fins 1 (717	Euro	S.com	eurofinsU	/Hower	r Ka	Kay Howe	TACT: I	AB CON	L				: 14800	Lab FO Number.			
TIEM SAMPLE IDENTIFIER DATE COLLECTED TINE COLLECTE								les)	r of bot	numbe	pecify	ED (S	QUIF	SIS RE	1ALYS	AN					
GW220-202 04-07-2020 109 0 7 2 1, 1* 1, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		COMMENTS	27		(RSK-175) Methane	(RSK-175) Carbon Dioxide	(SM2320B) Alkalinity (Total, Carbonate, and	(353.2) Nitrate-Nitrite	(300.0) Chloride, bromide, sulfate	(6010C) Dissolved Fe, Mn	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(8011) EDB	BTEXN	(8260C) BTEX	(8260C) VOCs	Total Number of Bottles	TIME COLLECTED	FE COLLECTED	DENTIFIER DAT	SAMPLE II	
TB2 COMMENTS: *Dissolved Fe, Mn aliquot was field filtered COMMENTS: *Dissolved Fe, Mn aliquot was field filtered TB2 COURIER AND SHIPPING NUMBER: FedEx 8137 2565 9790 Finted Name and Signature: Printed Name and Signature:							1	1	1	1*	1	2				7	1040	07-2020	-202 64-	GW220	1
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TB2 COMMENTS: 'Dissolved Fe, Mn aliquot was field filtered TB2 COURIER AND SHIPPING NUMBER: FedEx 8137 2565 9790 Trinted Name and Signature: Printed Name and Signature:																					4
TB2 SAMPLER(S): G. Beg age RELINQUISHED BY: DATE TIME RECEIVED BY: DATE Finited Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:				2 X	70	7_	-0	74			M	,									
TB2 AMPLER(S): G. Beg and Relinquished by: Courrier and Shipping Number: FedEx 8137 2565 9790 rinted Name and Signature: Calvern Beg are Halfson 4-7-2020 (700) rinted Name and Signature: Printed Name and Signature:				00	0	/		1			כנון	1									5
TB2 AMPLER(S): G-Beg and Relinquished By: Tinted Name and Signature: Courier and Shipping Number: FedEx 8137 2565 9790 Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:								-	-			V	_								6
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rinted Name and Signature: CalveAv Beg are Bulbar 4-7-2020 (7-00) Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	202- / 1		3-11	1-1-	7	117-	C	Fac	NUMBER:	HPPING	AND SH	URIER	С						se	G-Bega	AMPLEK(
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			1 1/-	(114	-0	1 -(0 1	OL	וכ	1 1 1	-00	ND				CO	C-221-	202
1	CT NAME:	PROJECT NUMBER:		AME AND CONTACT				FAX	K AND I	MAIL RE	PORTS	/EDD TO:			lamond@ ismith@e			YEA	AR:	202	0
Kirtland	d AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		7601		FAX	X AND I	MAIL RE	PORTS	/EDD TO			moss@e			QUA	ARTER:	2 (Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE:		Lab PO Number:	14800				LAE	3 CONT	TACT: H	Kay Howe	er K	ayHowe	r@eurofins	US.com	E	urofins 1 (717) 55	6-7258			
31100/3					ANA	ALYSI	SREC	QUIRE	ED (S	pecify	numbe	er of bo	ttles)								
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		C	OMMENTS		
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СОММЕ	ENTS: *Dissolved Fe, Mn al	quot was field filtered																		TB202-	20
SAMPLI	ER(S): G-Beg	enge						C	OURIE	R AND	SHIPPIN	G NUMBI	ER: F	edEx	813	37	2565	980	5		
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		225 Schiling Circle Suite 400 Hunt Valley MD			,HV	II		Ē	CI	10-	$\Gamma \cap$	DV	ח	ECO				COC NUMBER	
7.		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	<i>/</i> /	1111	1-0	- 1	CC	JO	I	זע	KI	=60	KL)			
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER:		NAME AND CONTAC				FA	AX AND	MAIL R	EPORT	S/EDD TO	: Tara I	Lamond: tla	amond@	eaest.c	om EA	COC-222-202	<u>'</u>
Facility		62599DM01	Eurofins Land 2425 New Hol	aster Laboratorion	es ster PA 1	17601						S/EDD TO	Aman	da Smith: as	mith@e	aest.cor	n EA	2020	
						.,,,,,		1.	N AND	IVIAIL R	EPORT	S/EDD 10	: Pam	Moss: pr	noss@e	aest.cor	n EA	QUARTER: 2 (Apr-Jun	1)
ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	B CON	TACT:	Kay How	rer K	ayHow	er@eurofinsU	S.com	E	urofins 1 (717) 556-7258		
					ANA	ALYS	IS RE	QUIR	FD (S	necify	numh	er of bo	ttlac		1				
								Q O II C	1	1	Tiditib		T	T	-	T	8 8	COMMENTS	
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Vumb	√ (82	(82 8	(82 B1	m @	6020, (As,P)	(6)	de, b	Nitra ((SN All Bica	(RS	M (R)			
			DATE COLLECTED	TIME COLLECTED	per o	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) al (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) bromid	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity , Carbonate Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			
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					les					Mg)		lfate		and					
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	NTS: *Dissolved Fe, Mn aliqu													-		t			
Pleas	se run MS/MSD o	n the following ar	nalytes only:																
VUC	S/BTEX/BTEXN,	EDB, Total As an	d Pb, and diss	solved Mn an	id Fe														
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SAMPLER	R(S): 01							CC	ו ומוכס	AND CI	II DDILLIO	NUMBER						TB202- /5	
	Messen	PRELINQUISHED BY:						CC	JUNIER	AND SI	HIPPING	NUMBER	· Fe	edEx	8/2	57	2565 97	57	
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	and only rature.							Pri	nted Na	me and	Signatur	e:							

PROJECT NAME: PROJECT NUMBER: LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 FAX AND MAIL REPORTS/EDD TO: Tara Lamond: Amanda Smith: asmith@eaest.com EA VEAR: 2020 FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA OUARTER: 2 (Apr-Jun) PROJECT SITE AND PHASE: Lab PO Number: 14800 Lab PO Number: 14800 LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 558-7258 ANALYSIS REQUIRED (Specify number of bottles) COC-223-202 FAX AND MAIL REPORTS/EDD TO: Tara Lamond: Hamond@eaest.com EA OUARTER: 2 (Apr-Jun) Amanda Smith: asmith@eaest.com EA OUARTER: 2 (Apr-Jun) ANALYSIS REQUIRED (Specify number of bottles)			225 Schiling Circle Suite 400 Hunt Valley MD			:H4	111	1_0)F_	CI	10-	$\Gamma \cap$	DV	DI	=00	DE	`				COC NUM	MBER
ANALYSIS REQUIRED (Specify number of bottles) 1 GW223-202	DD0.5						111	4-C	,ı –		J	ı	ז ט		=00	KL	,					
### 2020 PARTIEST									FA	XX AND	MAIL R	EPORT	S/EDD TO	: Tara I	Lamond: tl	lamond@	Deaest.c	om EA	,			
2 (Apr-Jun) 4 (Ap	Facility		0203321001	2425 New Ho	land Pike Lancas	es ter PA	17601		FA	X AND	MAIL R	EPORT:	S/EDD TO									020
ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specif	DDO IE	T PITE AND DUAGE											JILDD 10	raiii	woss. p	mossæe	eaest.cor	n EA	ľ	QUARTER:	2 (A	or-Jun)
TITEM SAMPLEIDENTFIER DATE COLLECTED TIME COLLECT	ST106/S	S111		Lab PO Number:	14800				LA	B CON	TACT: I	Kay How	er K	ayHow	er@eurofinsU	JS.com	Е	urofins 1 (717)	556-7258			
TITEM SAMPLEIDENTFIER DATE COLLECTED TIME COLLECT						AN	ALYS	SIS RE	QUIR	ED (S	Specify	numb	er of bo	ttles)		7						
TEM								T		T `			I		1		T		-	COMMEN	TS	
GW223-202	ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	otal Number of I	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010 otal (As,Pb,Ca,K,	(6010C) Dissolved Fe,	(300.0) hloride, bromide	(353.2) Nitrate-Nitr	(SM2320B Alkalinity (Total, Carbonat Bicarbonat	(RSK-175) Carbon Diox	(RSK-175 Methane		182	OSMINIEN		
AMPLERIS:		•				Bottles					Na,Mg)	Mn	, sulfate	ite	te, and	(ide						
TB202- 16 COMMENTS: 'Dissolved Fe, Mn aliquot was field filtered TB202- 16 COURIER AND SHIPPING NUMBER FEELEX 8/37 2565 9748 Inted Name and Signature: DATE TIME RECEIVED BY: DATE TIME Jashua Mossenger James And Signature: Printed Name and Signature:		GW223	-202	4-7-2020	0840	7	_		_	2	1	1*	1	1	1							
TB202- 16 AMPLER(S): AMPLER(2					-	*													_		
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TB202- 1/6 AMPLER(S): Wesserger TREUNQUISHED BY: DATE TIME Printed Name and Signature:	4																					
AMPLER(S): AMPLER					L	\wedge																
OMMENTS: 'Dissolved Fe, Mn aliquot was field filtered TB202- 16 AMPLER(S): AMPLER(S): RELINQUISHED BY: DATE TIME Printed Name and Signature:	5				- A	-										-						
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AMPLER(S): COURIER AND SHIPPING NUMBER FedEx 8137 2565 9748 RECEIVED BY: DATE TIME Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	20141451	TO 401 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																				
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625						•	-		0.	٠ ، ٠		-001	10				CO	C-224-	202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie land Pike Lancas	es	17601						/EDD TO: / /EDD TO: I	Amand	a Smith: asi	mond@ mith@ea noss@ea	aest.com	EA EA		AR:	202	20
				Turia i ino Lurious	torr A			1.0	A AND	WIAIL IN	_FON13	IEDD TO. I	raiii ii	uoss, pri	ioss@ei	aest.com	I EA	Q	JARTER:	2 (Apr	-Jun)
PROJEC ST 106/S	CT SITE AND PHASE: IS111		Lab PO Number:	14800				LA	B CON	FACT: H	Kay Howe	er Ka	yHowe	r@eurofinsU	S.com	Eu	ırofins 1 (717) 5	556-7258			
					AN.	ALYS	IS RE	QUIRI	ED (S	pecify	numbe	er of bott	tles)		I						· Transmission
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane	2	(COMMENTS		
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COMME	NTS: *Dissolved Fe, Mn aliq	uot was field filtered							10												
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SAMPLE	R(S): Nesser	rape						CC	DURIER	AND S	HIPPING	NUMBER	Fe	edEx	813	7	2565	971	8		10
Printed N	lame and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED	BY:		2) 27	110		ATE	TIME
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rinted N	ame and Signature:			1.				Pri	inted Na	me and	Signatu	re:							1		

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PROJE	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTAC															C-225-2	202
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	caster Laboratorie	es			FA	AX AND	MAILR	EPORTS	S/EDD TC			_	eaest.com		YEAR:	202	0
Facility	У		2425 New Ho	lland Pike Lancas	ter PA	17601		FA	AX AND	MAILR	EPORTS	S/EDD TO				aest.com		QUARTER:	2 (Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number	: 14800				LA	BCON	ITACT:	Kay How	er K	CayHow	er@eurofinsU	S.com	Eı	urofins 1 (717) 556-7258			
					AN	ALYS	IS RE	QUIR	ED (S	Specify	numb	er of bo	ottles)				Control of the Contro			
					7					16		C)		T_				COMMENTS	3	
ITEM	SAMPLE IC	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				
1	GW225	-202	4-6-2020	1308	7			_	2	1	1*	1	1	1	-					
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COMME	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered																		
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SAMPLE	R(S): Nessens	yer .					•	C	OURIER	RANDS	HIPPING	NUMBE	R: F	edEx 🖇	131	7 =	2565 99	30		
Printed N	ame and Signature:	RELINQUISHED BY:			DATE	I	TIME	-						RECEIVED					DATE	TIME
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	411	V-C)F-	Cl	JS	ΓΩ	DY	RI	ECO	PL)		CC	C NUMBER
PROJEC		PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	т.										1 \ L	,			C-226-202
Kirtland Facility	AFB Bulk Fuels	62599DM01	Eurofins Land	caster Laboratorie Iland Pike Lancas	20	17601	ľ					S/EDD TO	Amano	da Smith: as	mith@e	Deaest.co	m EA	YEAR:	2020
PROJECT ST106/SS	T SITE AND PHASE: 5111		Lab PO Number	14800						TACT:				er@eurofinsU			urofins 1 (717) 556-72	QUARTER:	2 (Apr-Jun)
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ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX			Total (A		(300.0) Chloride, bromide, sulfate		a	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
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ted Name	Joshva Ma	ssenger In	a Ma	~ 4-6.	-202	0 1	700	Prin	ited Nar	me and S	ignature	t:						DATE	TIME
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PROJEC	OT NAME:	Fax No. (410) 771-1625				111	V-C	- ار	-00	JS	IU	υY	KI	ECO	KL)				-	COC N	
Kirtlan	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	LABORATORY I	NAME AND CONTAC	T:			F	AX AND	MAIL F	EPORT	S/EDD TO): Tara	Lamond: tl	amond@	neaest c	om EA				OC-22	27-202
Facility			2425 New Ho	caster Laboratorie Iland Pike Lancas	es ter PA	17601	1					S/EDD TO	Aman	da Smith: a:	smith@e	aest.cor	n EA	A		YEAR:		2020
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:							NTACT:					moss@e	eaest.cor	n EA	4		QUARTER:	2 (/	Apr-Jun)
														er@eurofinsU	IS.com	Е	urofins	1 (717) 5	556-7258			
					AN	IALYS	SIS RE	EQUIF	RED (S	Specify	numb	er of bo	ttles)									
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane				COMMEN	TS	
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DDO IE		Fax No. (410) 771-1625					_								()	•		CC	C-229-202
100000000000000000000000000000000000000	CT NAME: Id AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie lland Pike Lancas	s	17601						/EDD TO:	Amand	a Smith: asr	mith@e	eaest.com	n EA	YEAR:	2020
				mana i ino Editodo	CI I A	17001		1	IN AND	WALL K	EFORIS	IEDD 10.	Pam N	noss: pm	oss@e	aest.com	n EA	QUARTER:	2 (Apr-Jun)
PROJEC ST 106/5	CT SITE AND PHASE:		Lab PO Number	14800				LA	B CON	TACT: I	Kay Howe	er K	ayHowe	r@eurofinsUS	S.com	Eu	irofins 1 (717) 556-7258	.і В	
					AN.	ALYSI	SRE	QUIR	ED (S	pecify	numbe	er of bo	ttles)						
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
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SAMPLE	. Messenz	eC .						CC	DURIER	RANDS	HIPPING	NUMBER	R: Fe	edEx 8	37	1 1	565 97	35	
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 17	1111	1-0	1 -				J 1	IXL	-001		,			COC-230)-202
PROJEC	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT				FA	X AND	MAIL R	PORTS	/EDD TO			-	eaest.com		YEAR:	2	020
Facility				land Pike Lancast		17601		FA	X AND	MAIL RE	PORTS	/EDD TO				aest.com		QUARTE	R: 2 (A)	or-Jun)
PROJEC ST106/S	CT SITE AND PHASE: S111		Lab PO Number.	14800				LAI	в сои.	TACT: H	ay How	er K	ayHowe	r@eurofinsU	S.com	E	urofins 1 (717) 556-72	:58		
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bo	ttles)		- Company			***************************************		
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		СОММ	ENTS	
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625				114	<u> </u>		50		וט	IXL	_001		<i>6</i>		CO	C-231-2	202
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTAC				FAX AN	D MAIL R	EPORTS	S/EDD TO			_	eaest.com		YEAR:	202)
Facility				land Pike Lancas		7601		FAX AN	D MAIL R	EPORTS	S/EDD TO				aest.com		QUARTER:	2 (Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LAB CO	NTACT:	Kay How	rer k	CayHowe	er@eurofinsU	S.com	Eu	rofins 1 (717) 556-725	8		1,
			,		ANA	LYSIS	REQU	IRED (Specify	numb	er of bo	ttles)							
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	. Total Number of Bottles	(8260C) VOCs	BTEXN (8260C)	EDB (8260C)	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg) (8011)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
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	NTS: *Dissolved Fe, Mn alid	uot was field filtered																TB202-	06
SAMPLI	ER(S): G-BC9 of	ye						COURI	ER AND	SHIPPIN	G NUMBE	F. F	edEx %	315	5 2	1829 78	356		
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PROJEC		PROJECT NUMBER:		IAME AND CONTACT				FAX	K AND I	MAIL RE	PORTS	/EDD TO			tlamono			EA EA		YEA	AR:	20	20	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie land Pike Lancast		7601		FAX	X AND I	MAIL RE	PORTS	/EDD TO			asmith@ pmoss@			EA		QU	ARTER:	2 (Ap	r-Jun)	
PROJECT	CT SITE AND PHASE:		Lab PO Number:	14800				LAE	B CONT	ACT: K	ay How	er K	ayHowe	er@eurofin	sUS.con	1	Euro	fins 1	(717) 556	3-7258				
51100/5	55111				ANA	ALYS	IS REC	QUIRE	ED (Si	pecify	numbe	er of bo	ttles)		1									
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total N	(8260C) VOCs		(8260C) BTEXN		Total (As	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	T	Alkalinity (Total, Carbonate, and Bicarbonate)	Carbon Dioxide (SM2320B)	Methane (RSK-175)	(RSK-175)	\$7 17		C	OMMENTS	3		
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		225 Schiling Circle Suite 400 Hunt Valley MD		C	HΔ	IN	-0	F-(CL	157		٦V	RF	ECO	RD)				COC NUM	MBER	-
200 15	CT NAME:	Tel No: (410) 584-7000 Fax No. (410) 771-1625				\11 \									ווט				CC	C-235-4	138-202	
Kirtlar	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT aster Laboratorie	s		28.	FA	X AND	MAIL R	EPORTS	/EDD TO				eaest.com			YEAR:	2	020	
Facilit			2425 New Hol	land Pike Lancas	ter PA 1	17601		FA	X AND	MAIL R	EPORTS.	/EDD TO:	Pam I	Moss: pi	moss@e	aest.com	EA		QUARTE	R: 2 (A	pr-Jun)	
PROJE ST106/	CT SITE AND PHASE: SS111		Lab PO Number:	14800				LA	B CONT	TACT: F	Kay Howe	er K	ayHowe	er@eurofinsU	S.com	Eu	rofins 1 (717) 556-72	158			
				-	ANA	ALYS	SRE	QUIR	ED (S	pecify	numbe	er of bo	ttles)									
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		9	COMME	ENTS		
1	GW235-4	38-202	4-6-2020	0955	7	-		_	2	1	1*	1	1	1	_							
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COMME	ENTS: *Dissolved Fe, Mn alig	not was field filtered															-					
CONTRACT	ANTO. DISSURED FE, WILL BIN	oot was new mileted																		TR201	2-04	20
SAMPL	ER(S): . Wesse.	001						C	OURIER	R AND S	HIPPING	NUMBE	R: E	edEx $\%$	155	2	879	78	24	10202		
		RELINQUISHED BY:			DATE		TIME						1.0	RECEIVED				10) (DATE	TIME	
Printed	Name and Signature:	senger 1	M	14-	6-20	20 1	DE		rinted Na	ame and	i Signatu	re:										
Printed I	Name and Signature:	Je.	- 1100	9 19	U		/0-		inted Na	ame and	l Signatu	re:										
Printed I	Name and Signature:							Pr	inted Na	ame and	1 Signatu	re:										

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1825		C	H	11/	1-O	F-	CL	JS	ΓΟΙ	DY	RE	ECO	RD)			NUMBER
ROJECT		PROJECT NUMBER:	LABORATORY I	NAME AND CONTAC											-				35-472-202
irtland acility	AFB Bulk Fuels	62599DM01	Eurofins Land	caster Laboratorie	es							S/EDD TO	Amano	da Smith: as	amond@ mith@e			YEAR:	2020
			2425 New Ho	lland Pike Lancas	ter PA	17601		FA	X AND	MAIL RE	PORTS	EDD TO): Pam I		noss@e			QUARTER:	2 (Apr-Jun)
OJECT 106/SS	SITE AND PHASE: 111		Lab PO Number:	14800			1	LA	B CONT	TACT: H	ay How	er k	KavHowe	er@eurofinsU	S.com		urofins 1 (717) 556-7258		- (Api-Juli)
					AN	ΔΙΥ	IS DE	OLUB	ED (C	no sife		er of bo			J		1 (717) 550-7258	T.	
								QUII	LD (3)		dmun		T	1	-	Т		20111151155	
тем	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
1	GW235-4	72-202	4-6-2020	1020	15	_		_	6	3	3*						Plane as Com		
2			1 0 2000	10 20	12				-	3	3	1	1	1	-		Please see Commen	ts for requested	MS/MSD analyte
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ease OCs	erun MS/MSD o BTEX/BTEXN, I	n the following a EDB, Total As ar	nalytes only: nd Pb, and diss	solved Mn an	d Fe														
PLER((a)		·															TB2	202-03
	·YVLesser							co	URIER /	AND SH	IPPING	NUMBER	₹: Fe	dEx 8	155	7	829 782	3	
ed Narr	e and Signature:	RELINQUISHED BY:			DATE		TIME							RECEIVED E	3Y:	-	071 /02	DATE	TIME
	Joshua Masser	yer In	My	4-6	-202	20 1	700		ited Nan	ne and S	Signature	9:							
ed Nam	e and Signature:		0						ted Nan	ne and S	Signature	9;							
ea Nam	e and Signature:							Prin	ted Nam	ne and S	Signature	9:							
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	11A	1-C	F-	Cl	JS.	ТО	DY	R	ECO	RI)			COCN	UMBER
	T NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC														(COC-23	5-501-202
acility	d AFB Bulk Fuels	62599DM01	Eurofins Lan	caster I aboratori	00			- 1					Aman	da Cmith	amond@ smith@e			YEAR		2020
			2423 New HO	lland Pike Lancas	ter PA	17601		F/	AX AND	MAIL R	EPORT:	S/EDD T	0: Pam		moss@e			QUAR	RTFR:	
T106/S	T SITE AND PHASE: S111		Lab PO Number	14800		-		L	AB CON	TACT:	Kav How	/or	Kayllan	er@eurofinsU					2	(Apr-Jun)
					AN	ALVE	IC DE	- 1							S.com		Eurofins 1 (717) 556-	7258		
					1	ALIS	ISKE	QUIR	ED (S	pecity	numb	er of b	ottles)							
TEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COM	IMENTS	
1	GW235-5	01-202	4-6-2020	1055	7				_	-	1*									
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MMENT	S: *Dissolved Fe, Mn aliqu	Of was field filtored																		
IPLER(S	6): 1 Al.		,						Ţ										TROO	2-04
	J. Messengs	RELINQUISHED BY:						CO	URIER	AND SH	PPING	NUMBER	E Fe	dFx 🗸 ı	==	1	829 78	34	1020	2-09
ed Nam	e and Signature:	WELLINGUISHED BY:	•	DA	TE		TIME							RECEIVED B	ソラ Y:	2	021 10	J7	DATE	
ed Name	Jas wa Messer e and Signature:	iger In	Muy	- 4-6	-202	0 1	TER		ted Nan	ne and S	ignature	9:							DATE	TIME
realis	o and digitature.	<u> </u>	4			-			ted Nam	ne and S	ignature	:								
ad Name	ond Simul																			
ou ivaine	e and Signature:							Print	ed Nam	ne and S	gnature	:								
									-						-	-	Marine Processor			

	8	225 Schling Circle Suite 400 Hunt Valley MD						_											
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	411	1-C)F-	CL	JS	ГО	DY	R	ECO	RE)			NUMBER
The state of the s	CT NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTACT	Γ:			F	AX AND	MAII R	EPORTS	S/EDD TO	Tara	Lamond: II					36-436-202
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lan	caster Laboratorie	8	4700							Aman	da Smith: as		Deaest.com		YEAR:	2020
DDO IE	OT CITE AND DUMOS				ter PA	17601		F	AX AND	MAILR	EPORTS	S/EDD TO	: Pam	Moss: pr	moss@e	eaest.com	n EA	QUARTER:	2 (Apr-Jun)
ST106/S	CT SITE AND PHASE: SS111	74	Lab PO Number	: 14800				L	ABCON	TACT:	Kay How	rer K	ayHow	er@eurofinsU	S.com	Eu	ırofins 1 (717) 556-7258		
					AN	IALYS	SIS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)						
					1		T T	T	T		T			1	-			COMMENTS	
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	
1	GW236-4	36-202	0820	4-6-2020	7	-			2	1	1*	1	1				-		
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COMMEN	NTS: *Dissolved Fe, Mn aliq	uot was field filtered																	
	TO. DISSONGOT 6, WIT BIIQ	dot was held filtered																	
									12										
SAMPLER	R(S): A. Messen	4ec						CC	DURIER	AND SI	HPPING	NUMBER	2: _	D			2001		3202- 05
	0	RELINQUISHED BY:		D	ATE		TIME	-					Fe	edEx 🖇	12	5	2829 78	45	
Printed Na	ame and Signature:	116	1				7.1141		nted Na	me and	Signatur	e;		RECEIVED	BY:			DATE	TIME
	Joshua Messe	are Ah	- Ylha	- 4-6	-20	201	708	0										T	
Printed Na	ame and Signature:	0	8						nted Na	me and	Signatur	e:							
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	C	H	11/	I-C	F-	CL	JS	ΓΟ	DY	RI	ECO	RГ)		CO	C NUME	3ER
	DIECT NAME: PROJECT NUMBER: LABORATORY NAME AND CONTACT:										COC-2	236-47	70-202							
Facility	AFB Bulk Fuels	Eurofins Land	Eurofins Lancaster Laboratories					FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA Amanda Smith: asmith@eaest.com EA										202		
		<u> </u>		- 120 Honard Fixe Lancaster PA 17601						FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA										
ST106/SS	T SITE AND PHASE: S111		Lab PO Number:	14800			-	LA	B CON	TACT: I	Kay How	ver k	(ayHow	er@eurofinsU	S com	E	urofins 1 (717) 556-7258		2 (Apr	-Jun)
					AN	ALYS	IS RE	OLUR	FD (S	necify	numb	er of bo					1 (717) 556-7258			
					1 3			Q O III \	1		Humb		nues)	1		T				
ITEM	SAMPLE IDENTIFIER		DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
1	GW236-4	70-202	4-6-2020	ASILA	-			-	-	-			_							
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OMMENT	S: *Dissolved Fe, Mn aliqu											1								
AMPLER(). Mess	NADC						co	URIER .	ANDSH	IPPING	NUMBER	2: _						3202-	25
inted N	ne and Signature:	REVINQUISHED BY:		D	ATE		TIME	+					Fe	dEx 3	13	5 2	1829 78	45		
The Ivan		11						Prin	nted Nar	ne and S	Signature	9:		RECEIVED B	BY:			DATI		TIME
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III.BO Nam	ne and Signature:	U,	0			V (,		ited Nan	ne and S	Signature	9:								
nted Nam	e and Signature:							Prin	ted Nan	ne and S	ignature	ı:				-				
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		225 Schiling Circle Suite 400 Hunt Valley MD		HA	IN	I-O	F-(CU	IST		DY	RF	ECO	RD)		15		COC	NUMBE	R	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625					_	•	~ ~			٠.							C	OC-2	36-499	9-202
0,000,000,000	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT aster Laboratorie	5.05			FA	X AND	MAIL RE	PORTS	S/EDD TO:			lamond@ smith@e				YEAR:		202)
Facility		02599DMU1		land Pike Lancas		17601		FA	X AND	MAIL RE	PORTS	S/EDD TO:			moss@e				QUART	ER:	2 (Apr-	Jun)
PROJEC ST 106/S	CT SITE AND PHASE:		Lab PO Number:	14800	****************			LA	B CONT	TACT: F	Kay How	ver K	ayHowe	er@eurofins	JS.com	E	rofins 1 (7	717) 556-72	258			
51 100/3	55111				AN	ALYS	IS REC	OUIR	FD (S	pecify	numh	er of bo	ttles)									
											T. C. C.	T			1				COMM	IENTS		
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane						
1	GW236-4	99-202	4-6-2020	0910	7			_	2	1	1*	1	1	1	T-						_	
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СОММЕ	ENTS: *Dissolved Fe, Mn alic	uot was field filtered		1								1							A Toronto and an analysis			
						9.														Т	B202-	06
SAMPLE	ER(S): A. Messen	905						C	OURIER	RANDS	HIPPIN	G NUMBE	R: F	edEx	215	5	282	97	856			
		RELINQUISHED BY:			DATE		TIME							RECEIVE	D BY:	, ,				DA	TE	TIME
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		400 Hunt Valley MD Tel No: (410) 584-7000			H	AIN	I-C	F-	CL	JS-	ГО	DY	RI	ECO	RI)		CC	C NUMBE	ER
PROJE	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY													48		COC-	240-449	9-202
	d AFB Bulk Fuels	62599DM01	Eurofins Lan	NAME AND CONTAC	es			F	AX AND	MAILR	EPORT	S/EDD TO				eaest.c		YEAR:	202	0
Facility	у		2425 New Ho	lland Pike Lancas	ter PA	17601		F	AX AND	MAIL R	EPORT	S/EDD TO			-	aest.cor		QUARTER:	2 (Apr-	
PROJE	CT SITE AND PHASE: SS111		Lab PO Number	14800	v .			LA	AB CON	TACT: I	Kay How	ver K	CayHow	er@eurofinsU	S.com	E	urofins 1 (717) 556-7258	3	2 (Apr-	Jun)
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)		Г					
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Num	(8260C) VOCs			(8011) EDB	Total (A		5	(353.2) Nitrate-Nitrite	(SM23208) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
1	GW240-4	49-202	4-9-2020	0949	24		9	_	6	3	3*	1.	1	1			Please see Comme	nts for request	ted MS/MSE) analytes
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3						-		-	-											
4						7	1													
					7		(-												
5					11															
6													-							
СОММЕ	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered	-							-		**								
VOC	se run MS/MSD o s/BTEX/BTEXN, e combine these	EDB, Total As ar	nalytes only: od Pb, and dis			i to 6	2599	9DM(01.10)17.4	.14		Sar	mple 2	<i>*</i>	f 0		*		2.0
SAMPLE	R(S):						-	C	DURIER	AND S	HIPPING	NUMBE							ГВ202- <u>:</u>	39
). (Plesse	RELINQUISHED BY:			DATE		70.45						Fe			25	65 9573			
Printed N	ame and Signature:				DATE		TIME	_	inted Na	me and	Signatu	re:		RECEIVED	BY:			DA	ATE	TIME
		lessenger)	In Mh	7- 4-0	1-202	01	700	0											T	
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	H	AIN	I-C	F-	CL	JS	ΓΟ	DY	RI	ECO	RI)		C	OC NUMBE	ER
PROJE	CT NAME:	Fax No. (410) 771-1625				10000000												COC	-241-42	8-202
	nd AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				F	AX AND	MAIL R	EPORTS	S/EDD TO	: Tara l	amond: tla	mond@	Deaest.co	om EA	YEAR:		
Facilit		ozeco Billo I	2425 New Ho	caster Laboratori lland Pike Lancas	es ter PA	17601		E	AY AND	MAII D	EDODTO	S/EDD TO				eaest.con			202	0
PROJE	CT SITE AND PHASE:		Lab PO Number			17001							: Pam	Moss: pn	noss@e	eaest.con	n EA	QUARTER:	2 (Apr-	Jun)
ST106/5	SS111		Lab FO Number	. 14600				LA	AB CON.	TACT: I	Kay How	er K	ayHow	er@eurofinsU	S.com	E	urofins 1 (717) 556-725	i8		
					AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ttles)							
								Г	T			0.00		T	-	T		COMMENT		
1					ota					Total	_	Chlo		3				COMMENTS	S	
					Z	_	_			(602 (As	(6010C) Dissolved Fe, Mn	ride,	Z	(SM2320B) Alkalinity (Total, Carbonate, Bicarbonate)	Car					
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	mbe	(8260C) VOCs	826 BTE	826 BTE	(8011) EDB	Pb,	(6010C) olved Fe,	(300.0) bromid	(35	SM2 Alka Cart carb	RSK	(RSK Met				
					rof	2, 9	× 9	žĝ	8 3	(6020A/6010C) (As,Pb,Ca,K,Na	Fe. 00	mid	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity I, Carbonate, Bicarbonate)	Dio	(RSK-175) Methane				
					Total Number of Bottles					(6020A/6010C) (As,Pb,Ca,K,Na,Mg)	5	us ,e	ite	te, a	(RSK-175) Carbon Dioxide	10 3				
					les					(g)		(300.0) Chloride, bromide, sulfate		and						
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COMME	NTS: *Dissolved Fe, Mn aliqu	ot was field filtered																		
				130																
Pleas	e combine these	5 samples	into one SDC	and invoice	SDG	to 6	2500	אח	11 10	171	14	_	0		,	. [
SAMPLE	D(6).	•			000		2000							riple 3	0	16			TB202- L	40
SAMPLE	- Messenge							cc	DURIER	AND SI	HPPING	NUMBER	2: _	I 17	175	7 1			10202-	10
) I wastering	RELINQUISHED BY:			DATE		THAT	-					FE	eaex 5	13	12	565 956	2		
Printed N	ame and Signature:				MIL		TIME		inted Na	me and	Signatur			RECEIVED E	3Y:				ATE	TIME
	TI. M.	/1.	\sim \sim \sim	.1 0		Τ,			incu i iu	ine and	Oigi iatui	е.								
Printed M	Joshua Me ame and Signature:	ssenger In	- yvh	4-9	- 202	0 1	701													
TITLEG TV	ane and Signature:			0				Pri	nted Na	me and	Signatur	e:								
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	HA;	IN	-0	F-	CL	JS	ТО	DY	RI	ECC	RE)					OC NUM	
	T NAME: I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC	T:			FA	AX AND	MAIL R	EPORT	S/EDD TO): Tara I	amond;	tlamond	@eaest.co				COC	- <mark>242-4</mark>	-
			2425 New Hol	land Pike Lancas	ter PA 1	7601		FA	X AND	MAIL R	EPORTS	S/EDD TO); Pam	Moss:		eaest.co		THE REAL PROPERTY.		UARTER:		
ROJECT T106/SS	T SITE AND PHASE: 3111		Lab PO Number:	14800				LA	B CON	TACT:	Kay How	er h	ayHow	er@eurofins	US.com	Е	urofins	1 (717) 5	556-7258		2 (Ap	r-Jun)
					ANA	LYSIS	SRE	QUIR	ED (S	pecify	numb	er of bo	ttles)		_				7200			
TEM	SAMPLE IC	DENTIFIER (DATE COLLECTED	TIME COLLECTED	Total N			(8260C) BTEXN		Total (A		(300.0) Chloride, bromide, sulfate	T i	Alkalinity (Total, Carbonate, and Bicarbonate)	· Carbon Dioxide	(RSK-175) Methane		¥		COMMENTS		
1	GW242-4	18-202	4-06-2020	1495	7				2	1	1*	1	1	1								
2				1123		+			_	·	-			'								
3					-	+																
4											2											
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6										()				0								
	S: *Dissolved Fe, Mn aliqu					+			-										-			
ease	combine these	l committee in	-t 0D0																			
PI FR	SI:	/ samples in	nto one SDG	and invoice	SDG t	0 62	5991	OMO	1.10	17.4.	14 J		San	ple /	0	f (9			7	-D202	^-7
IPLER(s): G-Bego	ne	nto one SDG	and invoice	SDG t	0 62	5991					NUMBER	,.			<u> </u>	יר פו	a .	701-		B202-	07
	s): G Bego	Samples II	nto one SDG		SDG t		599 [CO	URIER	AND SH	IPPING	NUMBER	· Fe		3159	<u> </u>	?8 Z	9	786	7		
ed Nan	ne and Signature: Began	ne	n Blyz	D.				CO	URIER	AND SH		NUMBER	· Fe	dEx	3159	<u> </u>	?8 Z	9	786			
ed Nan	ne and Signature:	ne	n Blyz	D.	ATE		TIME	Prin	URIER /	AND SH	IPPING	NUMBEF	· Fe	dEx	3159	<u> </u>	?8 Z	9	786	7		
ted Nam	ne and Signature: Began	ne	h fff	D.	ATE		TIME	Prin	URIER /	AND SH	HPPING Signatur	NUMBEF	· Fe	dEx	3159	<u> </u>	9	9	786	7		O'T



		225 Schiling Circle Suite 400 Hunt Valley MD		0	H	AIN	I-O	F-	CI	IS-	Γ	ΠY	RF	CO	RD)			T	C	COC NUM	IBER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		Ü				•				יי	1 (()					COC	C-243-4	25-202
PROJEC		PROJECT NUMBER:		AME AND CONTACT				FA	X AND	MAIL R	PORT	S/EDD TO			mond@				YI	EAR:	21	020
Facility	I AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancas		17601		FA	X AND	MAIL R	EPORTS	S/EDD TO	-		mith@e noss@e	-	-		a	UARTER:		or-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		Lab PO Number:	14800				LA	B CON	TACT:	Kay Hov	ver h	(ayHowe	r@eurofinsU	S.com	E	urofins	1 (717) 5	56-7258			
					AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)		T							
ITEM	SAMPLE	IDENTIFIER	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		0 8		COMMENT	S			
1	GW243-4	425-202	04-09-2020	0830	7				2	1	1*	1	1	1	_	_						
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3										-	2		_		-					************		
4					-		_		-	0	15			XY	0	9-	7	126)			
5									-6							/						***************************************
6																						
COMME	NTS: *Dissolved Fe, Mn ali	quot was field filtered			l				1						1	1	-					
Pleas	se combine these	e 5 samp	les into one SD0	3 and invoice	s SD	G to 6	3259	9DM	01.1	017.4	1.14	I									TB202	2- 40
SAMPLE	R(S): G-Begar	re						C	COURIE	R AND	SHIPPIN	IG NUMB	ER: F	edEx 8	313	7:	25	65	95	62		
Printed A	lame and Signature:	RELINQUISHED BY:			DATE		TIME		Printed N	lame an	d Signs	turo:		RECEIVE							DATE	TIME
6	aheter	0	THIREG I	varie ar	u Sigila	iure.										1						
Printed N	lame and Signature:	V	D . F.			T			Printed N	Name an	d Signa	ture:										T
Printed N	lame and Signature:							F	Printed N	Name ar	d Signa	ture:										
		and Signature:																				



		225 Schiling Circle Suite 400 Hunt Valley MD			111	INI		_	01	10-		D \ (-						T 6	00 11111	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	·II/	IIIV	-0)		JS	IO	DΥ	R	ECO	RL)				OC NUME	
	CT NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	Γ:			FA	AX AND	MAIL R	EPORTS	S/EDD TO	· Tara I	amond:	lamond@	Donnel o				-244-44	5-202
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lanc	aster Laboratorie and Pike Lancas	S DA	17004		1					Amano	da Smith:	asmith@e				YEAR:	203	20
			- 120 11011	unu i ike Lancas	lei FA	7601		FA	AX AND	MAILR	EPORTS	S/EDD TO	: Pam	Moss: p	omoss@e	eaest.co	m EA		QUARTER:	2 (Apr	-Jun)
PROJEC ST 106/S	CT SITE AND PHASE: 5S111		Lab PO Number:	14800			-	LA	AB CONT	TACT:	Kay How	er k	ayHow	er@eurofins	JS.com	E	urofins 1 (71	7) 556-7258		- C II-	
					ANA	N VSI	SPE	OUID	ED (9)	nonif	numb	er of bo	441 \	1000				.,			
						1	OIL	QUIN	LU(S		Tiumb		T	1	-	1			COMMENT		
					Total	1				Total	0	Chloride,		70					COMMENT	5	
ITEM	SAMPLE I	CENTIFIED			Z	- 68	_ (8	B (8		(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn		(353.2) Nitrate-Nitrite	(Total, Carbonate, Bicarbonate)	(RSK-175) Carbon Dioxide	2 3					
	SAWFEE II	DENTIFIER	ATE COLLECTED	TIME COLLECTED	ber o	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	A/60 b,Ca	(6010C) olved Fe,	(300.0) bromide,	(353.) ate-N	Alkalinity I, Carbonate Bicarbonate)	on D	(RSK-175) Methane					
					of Bo					K,Na	e S	io.	itrite	ity nate, nate)	75)	75) ne					
					Bottles					,Mg)	3	sulfate		and	10						
1	GW244-4	45-202	4-09-2020	1105	10		3		2		1*				+						
2		10 202	1 100	(II)	CO.		3		2	1	4.	1	1	1	-						\rightarrow
3																					
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5									1	14		- A	4	-0	9,	9	021	()			
6									01)	1			' (1						
- 4				2				4	70												
	ITS: *Dissolved Fe, Mn aliqu	.5 samples i	nto one SDG	and invoice	SDG	to 62	2599	DMO	01.10	17.4	.14	Γ.	San	nple 🌡	o o	6				TB202-	<i>U</i> 1
SAMPLER	(S): 6-Bega	ye						CO	URIER.	AND SI	IPPING	NUMBER	₹: ┏-	JE., Ø	127	0	- 1- 0	2 ,		10202-	7(
Drint and *!		RELINQUISHED BY:		D	ATE	T	TIME	-			-		re	RECEIVED		2	565	155			
-inted Na	ame and Signature:	1.0	0-1-					Prir	nted Nar	me and	Signatur	e:		MEGEIVEL	ют,					DATE	TIME
60		segane	MB	C 4-9-	2020	017	700														
Printed Na	me and Signature:		a			, /			nted Nar	ne and	Signatur	e:									
													-	The same of the sa	-			-			
Printed Na	me and Signature:							Prin	nted Nan	ne and	Signature	a.		-							
					***************************************			- 111		and	orginatule	-				-					
-																					



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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		. 0	1 1/-	IIIA	-0	-		O I	OL	וכ	1 / 1		<i>)</i> \					CO	C-245-	460-202
ROJECT		PROJECT NUMBER:		AME AND CONTACT				FA	X AND N	AIL RE	PORTS	/EDD TO				_	aest.com	EA EA		YEAR:		2020
rtland / cility	AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		17601		FA	X AND N	IAIL RE	PORTS	/EDD TO		a Smith: loss:	pmoss			EA		QUARTER	2 (4	(pr-Jun)
	SITE AND PHASE:	J	Lab PO Number:	14800			Kin-11010-51609111	LA	B CONT	ACT: K	ay Howe	er K	ayHowe	r@eurofin	sUS.co	m	Eur	ofins 1 (717)	556-7258			
106/SS1	111				AN	ALYSI	SREC	QUIR	ED (Sp	ecify	numbe	er of bo	ttles)		T							
TEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175)	(RSK-175) Methane	3		COMME	NTS	
1	GW245-4	160-202	04-09-2020	1225	10	_	3	-	2	1	1*	1	1	1		1						
2		21																7.D				
3													_		_	-	_					
4							-	57					0.6		<u>. T</u>							
5							100	15			0	1-	07	- 2	6	20						
6							1															
)MMEN	TS: *Dissolved Fe, Mn alie	quot was field filtered				11			11					i.				2				
lease	e combine these	sample	es into one SD0	G and invoice	SD0	3 to 6	32599							mple	5	of	6				TB2	02-41
MPLER	(S): 6-Beg	inge						C	OURIER	AND S	HIPPIN	Ģ NUMBI	Fr: F	edEx	81	37	2	565 9	551			
inted Na	ime and Signature:	RELINQUISHED BY:	107 202		DATE		TIME		rinted Na	ame and	Signat	ure:		RECEI	VED BY	/ :					DATE	TIME
6	aheston ,	Begane	MlB	Ze 4-9	1-20	20	170	0	5.5					0.8	8							
	me and Signature:							F	Printed Na	ame and	Signat	ure:										
rinted Na																						San Mad
	ime and Signature:								Printed Na		Class-1			-							256	5, 1200, 1000



		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	;H/	AIN	I-O	F-(CU	ST		YC	RF	ECC	RI)		C	OC NUMBER
PROJEC	TNAME	Fax No. (410) 771-1625													1 1			COC	C-247-450-202
Kirtland	AFB Bulk Fuels	PROJECT NUMBER: 62735DM02		AME AND CONTACT				FAX	X AND N	MAIL RE	PORTS	/EDD TO			tlamond@ asmith@i			YEAR:	2020
Facility			2425 New Holl	and Pike Lancas	ter PA	17601		FAX	X AND N	MAIL RE	PORTS	/EDD TO	: Pam	Moss:	omoss@			QUARTER:	2 (Apr-Jun)
PROJEC ST106/S	T SITE AND PHASE: S111		New PO					LAE	CONT	ACT: H	(ay Howe	er K	CayHowe	er@eurofins	US.com	E	Eurofins 1 (717) 556-72	258	
					AN	ALYS	IS REC	QUIRE	ED (Sp	pecify	numbe	er of bo	ottles)						
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs				(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	T	Alkalinity (Total, Carbonate, and Bicarbonate)	Carbon Dioxide	(RSK-175) Methane		COMMENT	S
1	GW247-4	50-202	04-09-2020	1355	9	_	3		2	1	1*	1		1		-			
2			1-1-6-20	1322					-				-		_				
3		And the second s					-						-	-	-	-			
4												-							
5						_	_					6	2		AL	1-	09-20	120	
6											(V	/	,		
0															+	+			
Pleas	e combine these		es into one SDG	and invoice	SDG	6 to 6	2735	DM0	12			S	ampl	e	of		×		TB202- 45
SAMPLER	R(S): G. Begun	e						co	URIER	AND S	HIPPING	NUMBE	R: F	edEx 5	712	17	25659	(518	10202
Deintad **		RELINQUISHED BY:			DATE		TIME						, ,	RECEIVE		_/_	2000		DATE TIME
Ga (wester Be	Prir	nted Na	me and	Signatu	re:													
Printed Na	ame and Signature:		nted Na	me and	Signatu	re:													
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Printed Na	ame and Signature:							Prir	nted Na	me and	Signatu	re:							
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000	IN	-0	F-	CL	JS"	ΓΟΙ	DY	RE	ECO	RD)		CC	OC NUMB	ER			
חחסודו	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:													01 10000000				C-3411-	202
	d AFB Bulk Fuels	62599DM01		NAME AND CONTACT caster Laboratorie				FA	X AND	MAIL R	EPORTS	S/EDD TO		Lamond: ti da Smith: a		Deaest.com		YEAR:	202	10
Facility	,		2425 New Hol	land Pike Lancas	ter PA 1	7601		FA	X AND	MAIL R	EPORTS	EDD TO	: Pam	Moss: p	moss@e	eaest.com	EA	QUARTER:	2 (Apr-	Jun)
PROJEC ST106/S	CT SITE AND PHASE: SS111		Lab PO Number.	14800				LA	B CONT	TACT:	(ay How	er K	ayHow	er@eurofinsl	JS.com	Eu	rofins 1 (717) 556-725	58		
	T		-		ANA	ALYSI	S RE	QUIR	ED (S	pecify	numb	er of bo	ottles)							
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS		
1	GW341	1-202	4-24-2020	1038	7	-			2	1	1*	1	1	1	~			-		
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6																				
	NTS: *Dissolved Fe, Mn all	00000000 9000	oump:18	ro 715 - 752	2								J		つ!	702	4271 7	1403	TB202-	76
SAMPLE	R(S): Messen	ger-	5					C	OURIER	RANDS	HIPPIN	G NUMBE	R: F	edEx -	7	702	4270	3922	X	
Printed I	Name and Signature:	RELINQUISHED BY:	DATE		TIME		rinted Na	ame an	d Signati	ure:		RECEIVE	D BY:				DATE	TIME		
	Joshua Mess	4-202	20 1	630	0															
Printed I	Name and Signature:					rinted Na	ame an	d Signati	ure:											
Printed I	Name and Signature:			Pi	rinted Na	ame an	d Signati	ure:												

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	HA	IN-	-0	F-(CU	ST	OE	Y	RE	COF	RD	СО	C-ER202-	
PROJEC Kirtland Facility	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Lanc	AME AND CONTACT aster Laboratories and Pike Lancaste		7601						EDD TO:	Amanda	Smith: asm	nond@eaest.com EA iith@eaest.com EA sss@eaest.com EA	YEAR: QUARTER:	2020	
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBER	₹:						ACT:				er@eurofinsU	S.com Eurofins 1 (717) 556-72	258		
PHASE.	31100/33111				AN.	ALYSI	S RE	QUIR	ED (S		numb	er of bo	ttles)		col	MMENTS		
ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	7			
1	ER202-	.01	4-22-2020	1105	6		3	_	2	1	-							
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3			1															•
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		Mn to total me		38														
		ber: 1807B-															TB202-	71
	A		70.						COURIE	R AND	SHIPPI	NG NUMB	BER:	7702	2 4267 4863			
SAMPL	ER(S): . Messi	RELINQUISHED BY:			DATE		TIM							RECEIVE			DATE	TIME
Printed	Name and Signature:		shia Messe	enger 4-2	2-20	20	17	30		Name a								
Printed	Name and Signature:	- Jan	,	J					Printed	Name a	nd Signa	ature:						
									Drinted	Name a	nd Sign:	ature:						
Printed	d Name and Signature:								rinted	IVALUE A	na orgin	andro.						
																		1

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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	1 1/-	1111	-0	, -,		01	O.	וכ	1 \ L	.001			COC-ER	202-C)2
	T NAME:	PROJECT NUMBER:		AME AND CONTACT				FA	X AND I	MAIL RE	PORTS	/EDD TO:			amond@eaest.com EA mith@eaest.com EA		YEAR: 202	0	
Facility	d AFB Bulk Fuels	62599DM01		and Pike Lancast		17601		FA	X AND I	MAIL RE	PORTS	/EDD TO:			noss@eaest.com EA		QUARTER: 2		
	OT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CONT	TACT:	Kay Hov	wer I	KayHow	er@eurofins	US.com Eurofins	1 (717) 556-725	58		
11000					AN	IALYS	IS RE	QUIR	ED (S	specify	numb	er of bo	ttles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3ZUB) Alkalinity (Total, Carbonate, and Bicarbonate)	(Alabana)	COM	MENTS		
1	ER202-	<i>8</i> 2	4-23-202	1115	6	_	3	_	2	1	_								
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3																			
4								,											
5																		-	
-																			
-														1					
Ple	ease add Fe and	Mn to total met	als anaylsis.	m Ass	0 Ci	ate	d c	sitt	5	Wei	//	KAF	B	-1060	019				
		per: 1808-4															TB2	02-	74
SAMPL	ER(S): Dulan				(OURIE	RAND	SHIPPIN	IG NUMB	ER:	7702	2 4269 (0414						
		DATE		TIM		Drintad h	Nama ar	nd Signa	dura:		RECEIVE			DATE		TIME			
Printed	Name and Signature:	23-	203	7 1	130	-mileo i	vanie ai	u Sigila	iture.										
Deinton	Schweel Name and Signature:	5	101) 1		Printed I	Name ar	nd Signa	iture:										
Frince	I Name and Signature.													The second secon					
Printed	Name and Signature:					Printed I	Name a	nd Signa	iture:										

	•	225 Schiling Circle Suite 400 Hunt Valley MD	-		,П \	INI	\cap	F	CI	107		DV	DE	COI	PN		C	OC NUMB	ER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625			/ 1/-	/11 /I	-0				O	וט	1/L	-001	ND		COC	C-ER202	-03
4	T NAME:	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	AX AND	MAIL R	EPORTS	S/EDD TO:				EA EA	YEAR:	2020	
Facility		0200001101		land Pike Lancast		7601		FA	XX AND	MAIL RI	EPORTS	S/EDD TO:				EA	QUARTER:	2	
PROJEC PHASE:	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer k	CayHow	er@eurofinsl	US.com Eurofii	ns 1 (717) 556-72	58		
					AN	ALYS	SRE	QUIR	RED (S	Specify	numb	er of bo	ttles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		COM	IMENTS		
1	ER202-	3	_	2	1						->			,					
2			5-6-2020	0820										**************************************					
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Ple	ase add Fe and	Mn to total meta	ls anavisis		1									***************************************	James and the second				
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_				marks and restriction for the supplier															
		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	IN	-0	F-	CL	JS	ГО	DY	RI	ECO	RГ)		С	OC NUMBER
PRO IEC	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:																COC	C-S1-447-202
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ST106/5			New PO					LA	BCON	TACT:	Kay How	ver !	KayHow	er@eurofinsU	IS.com	E	urofins 1 (717) 556-7258	3	
	T			1	ANA	ALYSI	SRE	QUIR	ED (S	Specify	numb	er of b	ottles)			-			
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane		COMMENTS	5
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FROMEN INNEE. INTERNAL PROPERTY SEED TO: Tars Lamona: Expression EA: YEAR: 2020 FROME STATE AND PHASE: New PO ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) The GWS2-451-202 OY-97-327 (510 0 - 3 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	:HA	IN-	OF	-Cl	JS	ΓΟΙ	ŊΥ	RE	CO	RD)			C		C NUMBE	
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PROJECT STIE AND PHASE: New PO LAB CONTACT: Key Hower Key Hower Key Hower Key Hower Representations 1 (717) 556-7258 ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) THEM SAMPLE IDENTIFER DATE COLLECTED TIME COLL		I AFB Bulk Fuels	62735DM02	Eurofins Land 2425 New Hol	aster Laboratorie land Pike Lancas	es ter PA 1	7601		FAX AND	D MAIL R	EPORTS			-	THE R. LEWIS CO., LANSING					ER:		
TITEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECT			. L	New PO					LAB CO	NTACT:	Kay Howe	er Ka	yHowe	r@eurofinsl	JS.com	Eur	ofins 1	(717) 556-7	258		- (· (p. 0	
TITEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC						ANA	AL YSIS	REOU	IRED (Specify	numbe	ar of hot	tloc)									
GWS2-451-202 O YOF-ZOZO (570 (D - 3 - 2 1 1* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of				Total		(300.0) Chloride, bromide,		(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			СОММ	ENTS		
2 3 4 5 6 Counter And Shipping Number: Fedex \$137, 2565, 9529 Tinied Name and Signature: Printed Name and Signature:	1	GWS2-45	51-202	14-09-7020	1510	10.	_ 3	3 _	2	1	1*	1	1	1								
2 Comments: *Dissolved Fe, Mn aliquot was field filtered Please combine these samples into one SDG and invoice SDG to 62735DM02. Sample of SAMPLER(S): SAMPLER(S): Outrier And SHIPPING NUMBER: FedEx 813 7 25 6 5 9 5 2 9 Finted Name and Signature: Printed Name and Signature:	2			, , , ,	(310	10				+					-							
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	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62735DM02		NAME AND CONTAC				FA	AX AND	MAIL R	EPORT	S/EDD TO					eaest.c			YEAR			
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ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COM	MMENTS	11.71	
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	CT NAME: 1d AFB Bulk Fuels	PROJECT NUMBER: 62735DM02		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	/EDD TO	D: Tara I	_amond: tl	amond@	Deaest.c	com EA		YEAR:		
Facilit		02/35DIWU2	2425 New Hol	aster Laboratorio Iand Pike Lancas	es ter PA	17601		FA	X AND	MAII RI	FPORTS	/EDD TO	Aman	da Smith: as	smith@e	eaest.co	m EA			2020	1
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ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromid	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane					
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Pleas	se combine thes	e samp	les into one SD	s and invoice	e SD	5 10	02/3	זאוטפ	02.				ашр	ie)		1	TB202	-60
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Kirtlan	d AFB Bulk Fuels	62735DM02		aster Laboratorie land Pike Lancas		7601		FA	X AND	MAIL RE	PORTS	/EDD TO:				aest.com aest.com			QUART	ER:	2 (Apr-	Jun)
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ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			COMM	MENTS		
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SAMPL	ER(S): 6 Beg	ane							OURIE	RAND	SHIPPIN	IG NUMB	F. F		***************************************	2	426	1 63	556			
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		225 Schiling Circle Suite 400 Hunt Valley MD		C	:HA	IN	-0	F-(CH	ST		ŊΥ	RF	ECO	RI)				CO	C NUMBI	ER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625					_								1 1 1					COC-	S8-45	-202
	CT NAME: nd AFB Bulk Fuels	PROJECT NUMBER: 62735DM02		NAME AND CONTACT				FAX	X AND M	IAIL RE	PORTS	/EDD TO			lamond@				YE	AR:	202	0
Facilit	у			land Pike Lancas		17601		FAX	X AND M	IAIL RE	PORTS	/EDD TO			moss@e				QU	ARTER:	2 (Apr-	Jun)
PROJE ST106/	CT SITE AND PHASE: SS111		New PO		- Indian			LAB	3 CONTA	ACT: K	ay How	er K	ayHow	er@eurofins	US.com	Е	urofins	1 (717) 556	5-7258			
					AN	ALYS	IS REC	UIRE	ED (Sp	ecify	numb	er of bo	ttles)				-					
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) ED8	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(RSK-175) Carbon Dioxide	(RSK-175) Methane			C	OMMENTS		
1	GWS8-4	51-202	04-10-2020	0975	10	_	3	_	2	1	1*	1	1	1								
2			011-020	012	10																	
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Plea	ENTS: *Dissolved Fe, Mn ali		s into one SD0	3 and invoice	SDC	6 to 6	2735	DM 6) 2.			S	ampl	e	of		*			7	ГВ202-	50
SAMPLI	ER(S): 6-Bego	ye						cc	OURIER .	AND S	HIPPING	3 NUMBE	R: F	edEx 7	770	2	15	39.	73	303		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	;HA	NIA	-0	F-(CUS	ST(OD	ΥR	ECC	DR	D					CNUMBER
PROJECT	NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTACT																S9-447-2
irtland A	AFB Bulk Fuels	62735DM02	Eurofins Land	aster Laboratorie	es			FA	X AND MA	L REPC	ORTS/ED		nda Smith:	flamo asmiti		eaest.cor		YEA	R:	2020
acility			2425 New Hol	land Pike Lancas	ter PA	17601		FA	X AND MA	L REPO	ORTS/ED	DTO: Pan	Moss:	pmos	s@ea	est.cor	n EA	QUA	RTER:	2 (Apr-Jur
ROJECT :	SITE AND PHASE:		New PO		-			LAI	B CONTAC	T: Kay	Hower	KayHo	wer@eurofir	nsUS.co	om	Е	urofins 1 (717)	556-7258		
					AN	ALYSI	SRE	QUIRE	ED (Spe	cify nu	umber c	of bottles	;)	1						
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total N				Ę		(6010C)	Nit Nit	O.	(SM2320B)	(RSK-175)	(RSK-175) Methane		cc	DMMENTS	
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	S: *Dissolved Fe, Mn alid																			
	combine these		es into one SD(3 and invoice	SDG	i to 6	2735	DMC	12.			Samp	ole		of		- X		т	B202- 6
MPLER(S	s) (or Beg	ruje						CC	OURIER AI	D SHIP	PPING NU	MBER:	FedEx	7	70	17	426	16	356	
ted Nam	ne and Signature:	RELINQUISHED BY:			DATE		TIME						RECEIV		_	-	1-6	1 ,	DA	
Lou Hall	live Ass	Regase	00/13	¥-16	-20	26 1	908	-	inted Name	and Sig	gnature:									
50				- 10	000	341	100		-4			-								
Ga ited Nam	ne and Signature:						-	100	inted Name	and Sig	gnature:									
nted Nam	ne and Signature:							ien.	nted Name	and Sig	gnature:									

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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	ΠP	III	-0	r-(JU	01	UL	ז כ	N.C	COL	\D		COC-ST	NB202-	01
PROJEC		PROJECT NUMBER:		AME AND CONTACT				FAX	X AND I	MAIL RE	PORTS	/EDD TO:			mond@eaest.com EA mith@eaest.com EA	YE	AR: 20	20	
Kirtlan Facility	d AFB Bulk Fuels	62599DM01		aster Laboratories and Pike Lancast		7601		FAX	X AND I	MAIL RE	PORTS	/EDD TO			oss@eaest.com EA	QI	JARTER: 2		
PROJECT PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBEI	₹:				LA	B CONT	TACT:	Kay Hov	ver	KayHow	ver@eurofinsl	JS.com Eurofins	1 (717) 556-7258			
					AN	ALYS	IS RE	QUIR	ED (S	specify	numb	er of b	ottles)						
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		COMME	NTS		
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		Mn to total meta	·														ТВ	202-55	2
SAMPL	ER(S): Messer	6.0						C	COURIE	R AND	SHIPPIN	IG NUMB	ER:	7707	4261	5349			
	0	RELINQUISHED BY:			DATE		TIME							RECEIVE			DAT	E	TIME
Printed	Name and Signature:	inger In	- M	4-	16-5	2020	190		Printed I	Name ar	d Signal	ture:							
Printed	Name and Signature:	J		0				F	Printed I	Name ar	d Signa	ture:							
Printed	Name and Signature:							F	Printed I	Name ar	d Signa	ture:							

		225 Schling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		1		AIN	1-0	F-(CL	JST	ГО	DY	RE	ECC	ORD		COC Tor COC	COC NUMBER C-SWB26 ER202	12-02
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT aster Laboratorie				FA	X AND	MAIL RI	EPORTS	S/EDD TO			tlamond@eaest.com asmith@eaest.com	EA EA	YEAR:	2020	
Facility				and Pike Lancast		17601		FA	X AND	MAIL RI	EPORTS	S/EDD TO			pmoss@eaest.com	EA	QUARTER:	2	
	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Кау Но	wer	KayHow	er@eurof	insUS.com Eu	rofins 1 (717) 556-72	58		
					1A	VALYS	SIS RE	QUIR	ED (S	Specify	numl	per of b	ottles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles		(8260C) BTEX	. (8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	CON	IMENTS		
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Pun	ase add Fe and i	0	ils anaylsis.	th Gyst	al	Sprid	ys.	D.	I	wd	en	(5-	gallo	n)			,	ГВ202- 89	7
SAMPLE	:R(S): J. Messen	ROT .					4	CC	OURIER	RANDS	HIPPIN	G NUMBE	R: 7	704	0158 1	597			
Printed N	Vame and Signature:	RELINQUISHED BY:			DATE		TIME				10:			RECEIV		_ , _		DATE T	IME
(Joshua Messen	gor An	Mh	V 5-6	-20	20	1630		inted Na	ame and	Signati	ure:			-				
Printed N	Name and Signature:		₹ .	0				Pr	inted Na	ame and	Signatu	ure:	,						
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	;H/	AIA	1-0	F-	CL	JS ⁻	ΓΩ	DY	RF	ECO	RD				COCI	NUMBER	3
PROJEC	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTACT											ND				COC-TI	3202-	01
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	caster Laboratorie	s							S/EDD TO	Amano	la Smith: as	amond@eaes			YE	EAR: 20	-	
			2425 New Hol	land Pike Lancas	ter PA	17601	3	F	AX AND	MAILR	EPORTS	S/EDD TO	: Pam I	Moss: pr	noss@eaes			QL	JARTER: 2		
	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	AB CON	TACT:	Kay Ho	wer	KayHov	ver@eurofins	US.com	Eurofins	1 (717) 55	56-7258			
					AN	IALYS	SIS RE	QUIF	RED (S	Specify	num!	per of be	ottles)		T					-	
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs				Total As,		Chloride	(353.2) Nitrate-Nitrite	(Total,				COMME	NTS		
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		SW225-6	02 62									s s							,		
SAMPLE	R(S): Amamaa	Smith						C	OURIER	ANDS	HIPPING	NUMBER	· Fe	edEx	8127	7510	5 99.	20			
Printed N	lame and Signature:	RELINQUISHED BY:			DATE	I	TIME							RECEIVED		L. U.	J 17.		DATE		TIME
Amo	unda H Smit	n full of	m hus	4/10	/202	0 1	70		inled Na	me and	Signatu	re:						10			
rinted N	ame and Signature:		0			Ŧ		Pr	inted Na	me and	Signatu	re:									
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	411	1-0	F-	CL	JST	ГО	DY	RE	ECO	RD	9				COC NUM	BER
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT caster Laboratorie land Pike Lancast	T;			F	AX AND	MAIL R	EPORTS	S/EDD TO): Tara L Amano	amond: tl: da Smith; as	amond@eaesmith@eaest	.com E	:A		CO EAR: UARTER:	2020 2020	2- 62
PROJEC PHASE:	ST SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	AB CON	TACT:	Kay Ho	wer	KayHov	ver@eurofins	US.com	Eurofin	s 1 (717) 556	-7258			
					AN	NALYS	SIS RE	QUIF	RED (S	Specify	/ numb	per of b	ottles)		T				when the same of t		
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) &	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	.(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		11	c	ОММЕ	NTS		
1	TB202-	02	4/10/2020	1215	2	-	V	_	2	_									-	-	
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	(SW 226-26 SW 227-2	02		, l																
SAMPLE	es: Amando	a Smith						CC	DURIER	AND SH	HIPPING	NUMBER	R: Fe	edEx &	2122	751.5	5 9941				
Printed Na	ame and Signature:	RELINQUISHED BY:			DATE		TIME		-t- d b:		~			RECEIVED	BY:	40 W	7741			DATE	TIME
Arra	nda M Smith	Coule V.	il free	4/10	bazz	s	1700		iiida Na	ame and	Signatui	re:									
Printed Na	ime and Signature:		0	1 / 2	Ind		1100		inted Na	ame and	Signatur	re:									
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 777-1825		C	H	411	1-C	F-	CL	JS	ΓΟ	DY	RE	ECO	RD					COC NUM	MBER
Kirtlan Facility		PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie land Pike Lancast	T:			FA	AX AND	MAIL R	EPORTS	S/EDD TO	Tara L	amond: I	lamond@easmith@easmoss@eas	st.com	EA EA		YEAR:	2020 2020	
PROJEC PHASE:	ST SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHov	ver@eurofin	sUS.com	Eurof	ins 1 (71	7) 556-72	58	2	
					AN	IALYS	SIS RE	QUIR	ED (S	Specif	y numb	per of b	ottles)								
ITEM	SAMPLE ID	JENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(GM2220B)			COM	MENTS		
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		5W235-478	2 202 AS																	3	6
AMPLER	(s): Amanda	Smith						co	URIER	AND SH	HIPPING	NUMBER	Fe	dEx	8155	78	97	272			
	me and Signature:	RELINQUISHED BY:		D	ATE		TIME	Dele	nted No.	mo ard	Signatur			RECEIVED	BY:	200	-1 70	0.40		DATE	TIME
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inted Na	me and Signature:							Prin	ited Nar	me and	Signature	9:									
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	11/	1-C	F-	CU	S1	ΓΟΙ	DY	RE	ECO	RD	COC NUMBER	
Facility	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land 2425 New Ho	NAME AND CONTAC caster Laboratorie lland Pike Lancas	es	17601						/EDD TO	Amano	ta Smith: a	amond@eaest.com EA smith@eaest.com EA noss@eaest.com EA	COC-TB202- YEAR: 2020 QUARTER: 2	04
PHASE: 9	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	BCONT	ACT:	Kay Hov	ver	KayHov	ver@eurofins	US.com Eurofins 1 (717) 556-72	The second secon	
			T		1A	IALY	SIS RE	QUIR	ED (Sp	pecify	numb	er of b	ottles)				
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) *	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3ZUB) Alkalinity (Total, Carbonate, and Bicarbonate)	COM	MENTS	
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		6 W 235-50 ba Sinithi	38-26Z 01-20Z					co	DURIER A	ND SH	IPPING	NUMBER	· Fe	edEx S	NF6 7879 7827		
AMPLER(S		5 W 235-50	38-26Z 01-20Z	C	DATE		TIME						Fe	edEx S	î 155 2829 7834		TIME
AMPLER(S	S): Amana ne and Signature: wda M Swd	SW 235-50 a Smrth RELINQUISHED BY:	01-202	4/1/	1	7			URIER A				Fe	dEx {	î 155 2829 7834 ev:		TIME
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inted Nam	S): Amana ne and Signature: wda M Swd	SW 235-50 a Smrth RELINQUISHED BY:	01-202	4/6	1	7		Pri	nted Nam	e and §	Signature	9:	Fe	dEx {	84.		TIME

		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	AIN	I-O	F-(CL	JST	ΓΟΙ	DY	RE	CO	RD			С	OC NUME	BER
PROJEC	T NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	NAME AND CONTACT															-TB202	- 05
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	s			FA.	X AND	MAILR	EPORTS	S/EDD TO			amond@eaest.com mith@eaest.com		Y	EAR:	2020	
Facility	T SITE AND			land Pike Lancast	er PA	17601			Mhore e constant			S/EDD TO	Pam N	loss: pn	noss@eaest.com	EA	C	UARTER:	2	
PHASE:	ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON.	TACT:	Kay Hov	wer	KayHow	er@eurofins	US.com E	urofins 1 (71)	7) 556-7258			
					AN	IALYS	IS RE	QUIR	ED (S	Specify	numb	er of bo	ottles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		×	COMME	INTS		
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SAMPLE	R(S): Amand							cc	URIER	RANDS	HIPPING	NUMBER	R: Fe	edEx	8155	2829	784	5	***************************************	
Printed N	ame and Signature:	RELINQUISHED BY:	-		DATE		TIME		nted Na	ame and	Signatu	ra.		RECEIVED	BY:				DATE	TIME
Am	anda M Smrt	n femile	m fin	4/6	12020	0 1	700				Orginata		-							
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	ΠP	III	-0	Γ-(JU	SI	OL	וכ	IXL	.00	ND				C	OC-TB202	-06
PROJEC	T NAME:	PROJECT NUMBER:		AME AND CONTACT				FAX	(AND I	VAIL RE	PORTS	EDD TO:	Tara La Amanda		lamond@eae		EA EA		YEAR:	2020	
Kirtland Facility	i AFB Bulk Fuels	62599DM01	Eurofins Lanc 2425 New Holl	aster Laboratories and Pike Lancaste	r PA 1	7601		FAX	(AND I	MAIL RE	PORTS	EDD TO:			moss@eaest		EA		QUARTE	ER: 2	
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBER	₹:				LAE	CONT	ACT:	Kay How	ver	KayHow	er@eurofin	sUS.com	Eurofin	ns 1 (71)	7) 556-72	58		
PHASE:	51100/55111		1.100		AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of b	ottles)								
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) ED8	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)			COM	MENTS		e
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	;HA	AIN	1-C	F-	CL	JS	ΓΟ	DY	RE	ECO	RD					COC NUM	
Facility	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT caster Laboratorie land Pike Lancast	s	17601						S/EDD TO	Amano	da Smith: as	amond@eaes mith@eaes noss@eaes	t.com I	EA EA		YEAR: QUARTER:	2020 2	02- 0
	ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHov	ver@eurofins	US.com	Eurofin	ns 1 (717)) 556-7258	3		
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ITEM	SAMPLE ID	ENTIFIER D	ATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		v		COMM	IENTS		
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	III	-0	r-(JU	01	OL	JI	Γ			(D				CC	C-TB20	2- (280
PROJEC	CT NAME:	PROJECT NUMBER:		AME AND CONTACT				FAX	K AND I	MAIL RE	PORTS	EDD TO:	Tara La			ond@eaest.co				YEAR:	2020		
Kirtlan Facility	d AFB Bulk Fuels	62599DM01	Eurofins Lanc 2425 New Holl	aster Laboratories and Pike Lancast	er PA 1	7601		FAX	X AND I	MAIL RE	PORTS/	EDD TO:	***			ss@eaest.co				QUARTER	2		
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBER	₹:							Kay How	2701	KayHow		rofinsUS	S.com	Eurofins	1 (717)	556-725	8			
					AN	ALYS	IS RE	QUIR	ED (S	· ·	numb	er of bo	ottles)	T					COMI	MENTS			
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) A	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	(SM2320B) Alkalinity								
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	Amam.	CLA SMITH RELINQUISHED BY:			DATE		TIM							REC	CEIVED	****					DATE		TIME
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	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND N	MAIL RE	PORTS	EDD TO			amond@eae smith@eaest			YEAR:	2020	
Facility			2425 New Hol	land Pike Lancast		17601		FA	X AND N	MAIL RE	PORTS	EDD TO			moss@eaest			QUARTER:	2	***************************************
PROJEC PHASE:	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:							Kay Hov			ver@eurofins	US.com	Eurofins	1 (717) 556-72	58		
		_			AN	IALYS	SIS RE	QUIR	ED (S	pecify	numb	er of b	ottles)	1						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) 4 BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	Control of the contro		CON	IMENTS		
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Ass	ociated with:	6W085-20 6W085-40	2					v.								v.		20	¥	
SAMPLE	R(S): Amana	la Smith							OÜRIER	R AND S	HIPPING	3 NUMBE	ER: F	edEx	8137	- 2565	9860			
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	;H/	AIN	-0	F-(CUS	ST	10	YC	RE	CO	RD				COC NUM	
100000000000000000000000000000000000000	CT NAME:	PROJECT NUMBER:		NAME AND CONTAC		-		FA	X AND MA	AIL RE	EPORTS/	EDD TO	: Tara L	amond: tla	amond@ea	est.com E/	A	YEAR:	OC-TB20	2-10
Kirtlan Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land 2425 New Ho	caster Laboratorie lland Pike Lancast	s ter PA	17601			X AND MA				Amand	a Smith: as	mith@eaes	st.com E	Α		2020	
									OT AND MA	NE IXE	-FOR 13/	EDD 10	. Pani n	vioss: pri	noss@eaes	st.com E/	4	QUARTE	R: 2	
PROJEC PHASE:	ST106/SS111		LAB PO NUMBE 14800	R:				LAI	B CONTAC	CT:	Kay How	/er	KayHow	er@eurofins	US.com	Eurofins	1 (717) 556-	7258		
	Г				AN	IALYSI	IS REC	QUIR	ED (Spe	ecify	numb	er of bo	ottles)							
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) &	(8260C) BTEXN	(8011) EDB	60	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			Cx	OMMENTS .		
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SAMPLE	R(S): Amanda	Smith					-	cc	DURIER AI	ND SH	HIPPING	NUMBE	R: Fe	edEx	8127	2565	9850	`		
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Kirtland	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	AME AND CONTACT	s			FAX /	AND MAIL F	REPORT				amond@eaes			YEA		2020	
Facility			2425 New Hol	land Pike Lancast	ter PA 1	7601		FAX /	AND MAIL F	REPORT				moss@eaes			QUA	ARTER:	2	
	CT SITE AND ST106/SS111		LAB PO NUMBE	R:				LAB (CONTACT:	Kay Ho	ower I	KayHow	er@eurofins	sUS.com	Eurofins	1 (717) 5	556-7258			
FIASE.	31100/33111		14800		ANA	عاد ۷ ا۵	REO	LIBE	O (Specif	i num					12.3353553350					
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The second second	T NAME:	PROJECT NUMBER:		NAME AND CONTACT				FA	X AND	MAIL R	EPORTS	EDD TO			tlamond@					YEAR:			1 6
Facility	d AFB Bulk Fuels	62599DM01		caster Laboratorie land Pike Lancast		17601		FA	X AND	MAIL RI	EPORTS	VEDD TO			asmith@ea pmoss@ea					QUARTE	202)	
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PROJEC PHASE:	ST SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHow	er@eurofi	nsUS.com	Е	urofins	1 (717)	556-725	8			
					1A	NALYS	SIS RE	QUIR	ED (S	Specify	numb	er of bo	ottles)										
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) A	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)				COMM	MENTS			
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	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie land Pike Lancast	s	17604						S/EDD TO	Amand	a Smith:	tlamond@eaest.com asmith@eaest.com	EA		YEAR:	2020	
	CT SITE AND		LAB PO NUMBE			17001									pmoss@eaest.com	EA		QUARTER:	2	
PHASE:	ST106/SS111		14800	Ν.							Kay Hov		•	er@euro	finsUS.com Eur	rofins	1 (717) 556-7258			
-				T		ALYS	SIS RE	QUIR	ED (S		numb	er of b	ottles)				COM	IENTS		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)		COMIN	ENTO		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		С	H	AIA	I-O	F-	CL	JS	ГО	DY	RE	CO	RD		Co	ОС NUMBE	-
PROJEC Kirtland Facility	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT caster Laboratorie land Pike Lancast	s	17601						S/EDD TO	Amand	a Smith: a	tlamond@eaest.com asmith@eaest.com omoss@eaest.com	EA EA	COC YEAR: QUARTER:	-TB202- 2020 2	120
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles			(8260C) BTEXN		Total As		(300.0) Chloride, bromide, sulfate	<u>z</u>	OT)	(BOCKCMS)	COM	MENTS		
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SAMPLER	(S):							CC	OURIER	ANDS	HIPPING	NUMBE	R: Fe	edEx	2127 5	65 9746			
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PROJECT NAME: PROJECT NUMBER: LABORATORY NAME AND CONTACT: Kirtland AFB Bulk Fuels Facility PROJECT SITE AND LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 FACILITY OF THE PROPERTY	Amanda Smith: asmith@eaest.com EA	COC-TB202- 3 !!
Kirtland AFB Bulk Fuels Facility Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 PROJECT SITE AND LAB PO NUMBER	Amanda Smith: asmith@eaest.com EA	FAR:
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PHASE: ST106/SS111 14800	AB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258	2
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Associated with: 6W222-202 -6W222-206		
SAMPLER(S):	OURIER AND SHIPPING NUMBER: FedEx \$137 2515-9757	
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625				AIN	-0	F-	CL	JST	ГО	DY	RE	ECO	RD			CO	COC NUME	1
Kirtlan	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND	MAIL R	PORTS	S/EDD TO			amond@ea			YEAR:	2020	Men
Facility			2425 New Hol	lland Pike Lancast	er PA 1	17601		FA	X AND	MAIL RI	EPORTS	S/EDD TO			noss@eaes			QUARTE		
PROJEC PHASE:	CT SITE AND ST106/SS111	1	LAB PO NUMBE 14800	R:		-		LA	B CON	TACT:	Kay Ho	wer	KayHow	/er@eurofins	US.com	Eurofins	1 (717) 556-	7258		
					AN	ALYSI	IS RE	QUIR	ED (S	Specify	numb	er of be	ottles)							
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) ***	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			CC	OMMENTS		
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PROJEC	T NAME:	225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625 PROJECT NUMBER:	LARGON TORVA	C		IN	1-0							ECO				COC	ос нимве С-ТВ202-	IT
100000000000000000000000000000000000000	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie land Pike Lancast	s	7601						S/EDD TO	Amand	a Smith: as	amond@eaest.com mith@eaest.com noss@eaest.com	1 EA		YEAR: QUARTER:	2020	
PROJECT PHASE:	T SITE AND ST106/SS111	1	LAB PO NUMBE	R:		*********		LA	B CON	TACT:	Кау Но	wer	KayHow	er@eurofins	US.com E	Eurofins	1 (717) 556-7	258		
					AN	ALYS	SIS RE	QUIR	ED (S	Specify	numl	per of b	ottles)			*************				
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3Z0B) Alkalinity (Total, Carbonate, and Bicarbonate)			со	MMENTS		
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		225 Schiling Circle Sui 400 Hunt Valley MD			(CHA	AIA	1-0	F-	CI	IST	Γ	DY	RF	-00	RD			С	COC NUMBE	ER
		Tel No: (410) 584-700 Fax No. (410) 771-162	5								, 0		וט	1 1	-00				COC	C-TB202-	0000
	F NAME: AFB Bulk Fuels	PROJECT NUMBE 62599DM01	R:	Eurofins Land	IAME AND CONTA aster Laborator	ies			F	AX AND	MAIL R	EPORTS	S/EDD TO			tlamond@eaest.com asmith@eaest.com	EA EA		YEAR:	2020	
Facility					land Pike Lanca	ster PA	17601		F	AX AND	MAIL R	EPORT:	S/EDD TC): Pam N	loss:	omoss@eaest.com	EA		QUARTER:	2	160
	F SITE AND ST106/SS111			LAB PO NUMBE 14800	R:				L	AB CON	TACT:	Kay Ho	wer	KayHow	er@eurofir	isUS.com Eu	rofins 1	(717) 556-725	i8	***************************************	
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ITEM	SAMPLE I	DENTIFIER JM	DA ⁻	, TE COLLECTED	TIME COLLECTE	Total Number of Bottles	(8260C) VOCs	(8260C) A	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)		СОМІ	MENTS		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625				IN	I-O	F-(CU	S	ΓΟΙ	DY	RE	ECC	DR	D	***************************************	- E			CC	COC NUI		5M
1	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT caster Laboratorie land Pike Lancast	s	7004						S/EDD TO	Amand	la Smith:	asmit	nd@eaes	t.com	EA EA			YEAR:	2020)	
					er PA 1	7601						S/EDD TO	200		•	s@eaes	t.com	EA		ľ	QUARTE	2		
PROJEC PHASE:	ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CONT	ACT:	Kay Ho	wer	KayHov	ver@euro	finsUS	.com	Euro	fins	1 (717) 5	56-7258	3			
				T	AN.	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of b	ottles)											
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) & BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe. Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	(SM2320B)					COMM	IENTS			
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		225 Schiling Circle Suite 400 Hunt Valley MD		C	:HA	IN	-01	=_(CU	ST	O	YC	RF	ECO	RD			C	COC NUMB	ER SM
		Tel No: (410) 584-7000 Fax No. (410) 771-1625																The second second second	C-TB202	-82
ROJECT	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT aster Laboratorie				FAX	AND	MAIL RE	PORTS	/EDD TO			amond@eaes			YEAR:	2020	
acility				land Pike Lancast		7601		FAX	AND	MAIL RE	PORTS	/EDD TO			noss@eaest			QUARTER:	2	
ROJECT HASE: S	SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LAB	CONT	ACT:	Kay Ho	wer	KayHov	ver@eurofins	US.com	Eurofins	1 (717) 556-725	8	100	
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TEM	SAMPLE II	DENTIFIER J.M.	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	-		COM	MENTS		
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inted Na	ame and Signature:							Pri	nted Na	ame and	Signat	ure:								

DRO IEC	ET NAME:	225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625 PROJECT NUMBER:				İN	I- OI							ECO			A		COC	ос NUMB С-ТВ202	
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	AME AND CONTACT aster Laboratorie	s									a Smith: a:	amond@ea smith@eae	st.com	EA EA		EAR:	2020	
Facility			2425 New Hol	land Pike Lancast	ter PA 1	7601		FA	X AND	MAIL RI	EPORT	S/EDD TO	D: Pam M	Moss: pi	noss@eae	st.com	EA	Q	UARTER:	2	
PROJEC PHASE:	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	CONT	TACT:	Kay Ho	wer	KayHov	ver@eurofins	US.com	Eurofin	ns 1 (717) 556-7258	-		
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ITEM	SAMPLE II	DENTIFIER AS	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) STEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)				СОММЕ	NTS		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		С	HΑ	IN	-0	F-(CU	ST	0	YC	RE	CO					COC NUME	42
	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT aster Laboratories				FAX	K AND I	MAIL RE	PORTS	/EDD TO			mond@eaes mith@eaest.c			YEAR	2020	
Facility		02533DINI0 1		and Pike Lancaste		7601		FAX	X AND I	MAIL RE	PORTS	/EDD TO	Pam N		noss@eaest.c			QUAR	RTER: 2	
PROJECT PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBER	₹:				LA	3 CONT	TACT:	Kay Hov	ver	KayHow	ver@eurofins	JS.com	Eurofins	1 (717) 55	6-7258		
					AN	ALYS	IS RE	QUIR	ED (S	specify	numb	er of b	ottles)							
ITEM	SAMPLE II	DENTIFIER AS	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) & BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)				COMMENTS	5	
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PROJECT Kirtland Facility	T NAME: I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie lland Pike Lancas	s	17601						S/EDD TO	Amand	a Smith: a	lamond@ea smith@eae: moss@eae:	st.com E.	4		AR:	TB202 2020	- 23
PROJECT PHASE: 5	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHow	er@eurofin	sUS.com	Eurofins	1 (717) 55	56-7258		2	
					AN	IALYS	SIS RE	QUIR	ED (S	Specif	/ numl	per of b	ottles)		T		27 1983 1				
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles			(8260C) BTEXN		Total As		9	Z	(Total, Carbonate, and Bicarbonate)				COMMEN	NTS		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	;H/	411	1-C	F-	CL	JS	ΓΟ	DY	RE	ECC	RD				COC N	JMBER
Kirtlan Facility		Fax No. (410) 771-1625 PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie lland Pike Lancast	T:			FA	AX AND	MAILR	EPORT	S/EDD TO	D: Tara L Amano	amond:	tlamond@ea asmith@eae omoss@eae	st.com EA		YEAR:	202 TER:	
PROJEC PHASE:	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	ITACT:	Kay Ho	wer	KayHow	er@eurofir	sUS.com	Eurofins	1 (717) 556-	7258	2	
					AN.	VALYS	SIS RE	QUIR	RED (S	Specify	numl	per of b	ottles)		_					
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	1	(8260C) BTEX	(8260C) BTEXN		Total As		5	Z	Alkalinity (Total, Carbonate, and Bicarbonate)	(BOCECWS)		Co	OMMENTS		
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PROJECT NAME: PROJECT NAME: PROJECT NAME: Facility PROJECT SITE AND PHASE: ST106/SS111 PROJECT SITE AND PHASE: ST106/SS111 PROJECT SITE AND PHASE: ST106/SS111 PROJECT SITE AND PHASE: SAMPLE IDENTIFIER DATE COLLECTED PROJECT SITE COLLECTED PROJECT NAME: BURDANAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 FAX AND MAIL REPORTS/EDD TO: Tara Lamond: Amanda Smith: Amanda Smith: Amanda Smith: FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Pam Moss: PROJECT SITE AND PHASE: ST106/SS111 FAX AND MAIL REPORTS/EDD TO: Tara Lamond: Amanda Smith: Amanda Smi	COC NUMBER COC-TB202- 25 YEAR: 2020 QUARTER: 2 717) 556-7258 COMMENTS
FAX AND MAIL REPORTS/EDD TO: Tara Lamond: Blamond@eaest.com EA Asmith: Asmith@eaest.com EA Asmith Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601 FAX AND MAIL REPORTS/EDD TO: Pam Moss	YEAR: 2020 QUARTER: 2
PROJECT SITE AND PHASE: ST106/SS111 LAB PO NUMBER: LAB PO NUMBER: LAB CONTACT: Kay Hower KayHower@eurdfinsUS.com Eurofins 1 (7) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) Total Number (80200A6010C) Big (8020A6010C) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles)	2020 QUARTER: 2
PROJECT SITE AND PHASE: ST106/SS111 LAB PO NUMBER: 14800 ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) Total Number of Bottles Bicarbonale, bromale, suinale Allinile (8020AB010C) (82580C) (82580C) ASAMPLE IDENTIFIER DATE COLLECTED TIME	717) 556-7258
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SAMPLE IDENTIFIER DATE COLLECTED DATE COLLEC	COMMENTS
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SAMPLER(S): AS COURIER AND SHIPPING NUMBER: FedEx 8137 2565 9	7767
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Amanda Smrth Level M Such 4/8/2020 1700	
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	CHA	III	1-0	F-	CL	JS	ГО	DY	RE	ECC	RD		COC NUM	BER
PROJEC Kirtland Facility	T NAME: I AFB Bulk Fuels	Fax No. (410) 771-1625 PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratoric land Pike Lancas	es	7601							D: Tara L Amand D: Pam	ta Smith:	tlamond@eaest.com EA asmith@eaest.com EA pmoss@eaest.com EA		COC-TB20 EAR: 2020 IUARTER: 2	2-26
	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHov	ver@eurofir	nsUS.com Eurofins 1 (7	717) 556-7258		
					AN	ALYS	SIS RE	QUIR	ED (8	Specify	numt	per of b	ottles)					
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) X	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)	СОММЕ	NTS	
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AMPLER	(S): AS						-	cc	URIER	RANDS	HIPPING	NUMBE	R: Fe	edEx	8137 2565 96	08		
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		225 Schiling Circle Suite 400 Hunt Valley MD			,H \	111		E	CI	10-	$\Gamma \cap$	DV	DI	ECO	DD		- V		OC NUME	RED
		Tel No: (410) 584-7000 Fax No. (410) 771-1625				1114	-0	1 -			10	ז ט	K		KU					
Kirtlan	CT NAME: Id AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL R	EPORTS	S/EDD TO			amond@ea			YEAR:	C-TB202	- 2+
Facility	У		2425 New Ho	lland Pike Lancas	er PA	17601		FA	X AND	MAIL R	EPORTS	S/EDD TO	: Pam I		smith@eae moss@eae			QUARTER:	2020	
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBE	R:				LA	B CON	TACT:	Kay Ho	wer	KavHov	ver@eurofins	110 00 m	F f			2	
THIOL.	0110003111		14800		ΔΝ	ΙΔΙ Υς	IS DE					per of b				Eurotins	1 (717) 556-72	58		
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		2		MIL GOLLLOTED	Number of Bóttles	S 9	× 8	XX OC)	8 3	(6020A/6010C) al As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) bromide, sulfate	(353.2) Nitrate-Nitrite	alinity bonate, and conate)						
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	:HA	III	-0	F-	CL	JS	ΓΟ	DY	RE	ECO	RD				COC NUI	
ROJECT (irtland a acility	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie lland Pike Lancast	s	7601						S/EDD TO	Amand	la Smith: as	mond@eae mith@eaest	.com EA		YEAR:	OC-TB20 2020	-
20 1507	0.775							100	W AND	IVIAIL R	EPORTS	S/EDD TO): Pam N	woss: pn	noss@eaest	.com EA		QUARTE	R: 2	
HASE: S	SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHow	ver@eurofinsl	JS.com	Eurofins	1 (717) 556-7	258		
					AN	ALYSI	SRE	QUIR	ED (S	Specify	numl	per of b	ottles)		T					
TEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total N			(8260C) BTEXN		(60) Total As		(300.0) Chloride, bromide, sulfate	Z.	(Total, Bit			co	MMENTS		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	11/	1-0	F-(CL	JS	ΓΟ	DY	RE	ECO	RD				OC NUMBE	
The second second	OT NAME:	PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	r:			FA	X AND	MAIL R	EPORTS	S/EDD TO): Tara L	amond: tla	amond@eae	est.com EA		COC YEAR:	C-TB202-	29
Kirtlan Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land 2425 New Hol	aster Laboratorie land Pike Lancast	s er PA	17601						S/EDD TO	Amand	a Smith: as	mith@eaes	t.com EA			2020	
20015	7 075 1115								, , , , , , , , , , , , , , , , , , ,	WALL IX	LFORTS	WEDD IC	z. rani n	rioss. pri	noss@eaes	t.com EA		QUARTER:	2	
PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	BCON	TACT:	Kay Ho	wer	KayHow	er@eurofins	US.com	Eurofins	1 (717) 556-7	258		
		Т			AN	IALYS	SIS RE	QUIR	ED (S	Specify	y numb	er of b	ottles)							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			со	OMMENTS		
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H/	111	I -O	 (15	\cup	UY	KE	CO	ΚD				C-TB202-	
the same of the sa	OT NAME:	PROJECT NUMBER:		NAME AND CONTACT				FA	X AND	MAIL RI	EPORTS	E/EDD TO			mond@eae			YEAR:	2020	20
Kirtlan Facility	d AFB Bulk Fuels /	62599DM01		aster Laboratorie land Pike Lancast		17601		FA	X AND	MAIL RI	EPORTS	E/EDD TO:			mith@eaesl noss@eaesl			QUARTER	₹:	
																			2	
PROJEC PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	к:							Kay Ho			er@eurofins	US.com	Eurotins	1 (717) 556-72			
	T			Т	-		SIS RE	QUIR	ED (S	i i	/ numb	er of bo	ottles)				COM	MENTS		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) &	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, suifate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			COM	WENTS		
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SAMPLI	ER(S):							C	OURIE	R AND	SHIPPIN	G NUMBE	F F	edEx '	8137	256	5 965	4		
Drints 1	Name and Signature:	RELINQUISHED BY:			DATE		TIME	-	rintod A	lomo co	d Signat	uro:		RECEIVED					DATE	TIME
And	rimdo Carin	211	8/20	22	170		inited is	vanie an	u Signal	ure:										
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	225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000	C	;H/	AIN	1-0	F-	CI	JS	ΓΩ	DΥ	RF	ECO	RD				COC NUM	BER	
	Fax No. (410) 771-1625											IXL	_00				C	OC-TB20	2- 2
PROJECT NAME: Cirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie land Pike Lancast	s	17601						S/EDD TO	Amand	da Smith: as	mond@eaesmith@eaes	t.com EA		YEAR:	2020	4- 5
PROJECT SITE AND		.															QUARTE	2	
PHASE: ST106/SS111		LAB PO NUMBE 14800	R: .				LA	B CON	TACT:	Kay Ho	wer	KayHow	ver@eurofinsl	JS.com	Eurofins	1 (717) 556-	7258		
				AN	IALYS	SIS RE	QUIR	ED (S	Specify	/ numl	per of b	ottles))	I	-				
ITEM SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) &	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			CC	OMMENTS		
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PROJECT Kirtland Facility	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTACT caster Laboratorie land Pike Lancast	Γ: S			FA	X AND	MAILF	EPORT	S/EDD TO	: Tara L Amand	amond: tl	lamond@eaest.com EA smith@eaest.com EA moss@eaest.com EA	COC-TB202- 37 YEAR: 2020 QUARTER:
PROJECT PHASE: S	SITE AND ST106/SS111		LAB PO NUMBE	R:				LA	BCON	TACT:	Kay Ho	wer	KayHow	ver@eurofins	sUS.com Eurofins 1 (717) 55	2
			14000		ANA	ALYS	IS RE	QUIR	RED (S	Specif	/ numl	per of b	ottlee)			70-1200
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total N	(8260C) VOCs	(8260C) S	(8260C) BTEXN		Total As		Chloride	Z	OT)	(ancrease)	COMMENTS
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	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	NAME AND CONTAC	es			F	AX AND	MAIL F	EPORT	S/EDD TO			amond@eaest.com EA		YEAR:	B202- 3
· uomity			2425 New Ho	land Pike Lancas	ter PA	17601		FA	AX AND	MAIL F	EPORT	S/EDD TO): Pam M	a Smith: as Aoss: pr	smith@eaest.com EA moss@eaest.com EA		QUARTER:	020
PROJEC PHASE:	T SITE AND ST106/SS111		LAB PO NUMBE	R:				LA	AB CON	JTACT:	Kay Ho	ower	KavHow	er@eurofins	UC same F. d		2	
			14000		IA I	VALYS	SIS RE	- 1				ber of b		erwedioms	OS.com Eurofins	1 (717) 556-725	8	
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ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs		(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		COMP	MENTS	
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	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FAX	X AND	MAIL R	EPORTS	S/EDD TO		amond: tl a Smith: a	amond@ea		EA EA		YEAR:	2020	2-)	
Facility	′			land Pike Lancast		17601		FAX	K AND	MAIL R	EPORTS	EDD TO			noss@eae		EA		QUARTER			
PROJECT PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:	-			LAE	BCONT	TACT:	Kay Ho	wer	KayHow	er@eurofins	US.com	Eurofi	ns 1 (71	17) 556-725	58			
			14000		AN	IALYS	SIS RE	QUIR	ED (S	Specify	/ numb	er of b	ottles)		T							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs		(8260C) BTEXN	(8011) EDB	Total As	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	Z.	(Total, a	00000			СОМ	MENTS	(4)		
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m ROOT	and orginature.	***************************************					-	Pri	nted Na	ame and	d Signatu	re:									T	



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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000	C	HA	IN	-01					ΥC								C YEAR:		TB20	2- 35)	
	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofine Lanc	AME AND CONTACT: aster Laboratories and Pike Lancaste	rPA 1	7601						EDD TO:	Amanda	a Smith	n: asmi	nd@eaes n@eaest.c s@eaest.c	com	EA EA		QUART		2020		
cility								LAB	CONTA	CT: I	Cay How	er l	KayHow	er@eu	rofinsUS	.com	Euro	fins 1 (717) 556-7	7258				
OJECT	SITE AND ST106/SS111		LAB PO NUMBEI 14800	₹:									ottles)											
40L. C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1		AN	ALYS	IS RE	QUIRE			Tiumb	er of b							CC	OMMENTS				
TEM.	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Total, Carbonate, and Bicarbonate)	(SM2320B) Alkalinity			s						
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	ociated with:				DATE		Ti	ME					BER:		lEx ECEIVE	8137 BBY:	251	105 "	9610			DATE		TIME
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625				IN	-0							CO			C YEAR:	COC NUMB	
PROJECT	NAME: AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTAC									Amanda	a Smith: a	amond@eaest.com smith@eaest.com	EA EA		2020	
Facility	Z Danki dolo		2425 New Holl	and Pike Lancas	ter PA 1	7601		FAX	(AND N	MAIL RE	PORTS	/EDD TO:	Pam N	loss: p	moss@eaest.com	EA	QUART	2 2	
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBER	₹:				LAE	CONT	ACT:	Kay Hov	wer }	KayHow	er@eurofin:	SUS.com Euro	ofins 1 (717) 556	6-7258		
TIAGE.	5110000111				AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)						
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	/BDCcc/WS/		COMMENTS		
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	225 Schiling Circle Suite 400 Hunt Valley MD Tel No. (410) 584-7000	C	CHA	11/	1-0	F-	CL	JS	ГО	DY	RE	ECO	RD				COC NUME	3ER	
PROJECT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	AME AND CONTAC														CC	OC-TB202	1-37
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Facility	Z-Z-D NOW HORIZING FIRE LI								MAILR	EPORTS	S/EDD TO): Pam M		noss@eaes			QUARTER		
PROJECT SITE AND PHASE: ST106/SS111		R:				LA	B CON	TACT:	Kay Ho	wer	KavHow	ver@eurofins	US.com	Furofins	1 (717) 556	7258			
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PRO IFO	CT NAME:	Fax No. (410) 771-1625 PROJECT NUMBER:	LABORATORY	AME AND CONTACT	r.			EA	V AND	MAII DE	DODIE	/EDD TO:	Torol	omand: No	mand@agaal aar			YEAR:	C-TB202	- 38
Kirtlan	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie	s								Amand	la Smith: as	amond@eaest.cor mith@eaest.com	EA			2020	
Facility				land Pike Lancast	er PA 1	7601				_		/EDD TO:			noss@eaest.com	EA		QUARTER:	2	
	ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Hov	wer 1	KayHow	ver@eurofins	US.com E	urofins 1	1 (717) 556-72	58		
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) K	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			COM	MMENTS		
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Kirtlan	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Land	IAME AND CONTACT	s			FA	(AND	MAIL RE	PORTS	/EDD TO			amond@eaes	t.com E	A A	YEAR:	2020	
Facility	/		2425 New Hol	and Pike Lancast	er PA 1	7601		FA)	(AND	MAIL RE	PORTS	/EDD TO	: Pam M	loss: p	moss@eaest	t.com E	A	QUARTER:	2	
PROJEC PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	CONT	TACT:	Kay How	ver	KayHow	er@eurofins	sUS.com	Eurofin	s 1 (717) 556	-7258		
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SACCEMO)		c	COMMENTS		
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	1 1/-	1111	1-0			O I	OL)	1 \ L	-001	(D			CC	C-TB202	- 40
						2 10000		FAX	X AND M	IAIL RE	PORTS/					EA		YEAR:	2020	
Facility			2425 New Holl	and Pike Lancast	er PA 1	17601		FAX	X AND M	IAIL RE	PORTS/	EDD TO:	: Pam M	loss: pr	noss@eaest.com	EA		QUARTER	2	
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The state of the s	CT NAME: d AFB Bulk Fuels	Fax No. (410) 771-1625 PROJECT NUMBER: 62599DM01	Eurofins Land	IAME AND CONTACT aster Laboratories land Pike Lancast	S	7601						E/EDD TO	Amand	a Smith:	tlamond@ asmith@e pmoss@e	aest.co	m EA			COC EAR: UARTER:	C-TB202 2020 2	41_
	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Hov	wer	KayHow	er@eurofi	nsUS.com		Eurofins	1 (717)	556-7258			
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)		ĸ		COMME	NTS		
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PROJEC	OT NAME:		LABORATORY	NAME AND CONTACT	т.			Ir.	VAND	MAIL DI	DODTO	EDD TO	*		- 10				COC-TB20	12-42
		62599DM01	Eurofins Land	aster Laboratorie	s								Amand	a Smith: a				YEA	2020	
					ter PA	17601										t.com E	ΕA	QUA	ARTER:	
PHASE:	ST106/SS111		14800	R:				LA	B CONT	TACT:	Kay Hov	ver l	KayHow	er@eurofins	SUS.com	Eurofin	ıs 1 (717) 556	5-7258		
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PROJECT	NAME:	PROJECT NUMBER:						FAX	AND M	AIL RE	PORTS/I	EDD TO:	Tara La Amanda			YEAR:	2020	
Kirtland Facility	AFB Bulk Fuels	62599DM01	Eurofins Lanca 2425 New Holla	ister Laboratories and Pike Lancaste	r PA 17	601		FAX	AND N	AIL RE	PORTS/				moss@eaest.com EA	QUARTER:	2	
acility								- 1.05	CONT	ACT: I	/av How	er k	CavHow	er@eurofin	sUS.com Eurofins 1 (717) 556	6-7258		
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	TINUE PROJECT NUMBER: LABORATORY NAME AND CONTACT: Eurofine Laboratories 2428 New Holland Pike Lancaster PA 17601 STORES NOW 10 LAB PO NUMBER: LABORATORY NAME AND CONTACT: Eurofine Lancaster PA 17601 STORES NOW 10 LAB PO NUMBER: LABORATORY NAME AND CONTACT: Eurofine Lancaster PA 17601 ANALYSIS RECUIRED (Specify number of bottles) ANALYSIS RECUIRED (Specify number of bottles) TB202-43 49/2020 L300 2 - 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
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Facility Comparison of the control of the contro	COC-TB202-46 EA YEAR: 2020 EA QUARTER: 2 COMMENTS
PROJECT SITE AND PHASE: ST106/SS111 LAB PO NUMBER: LAB PO NUMBER: LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofin ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ITEM SAMPLE IDENTIFIER DATE COLLECTED TIME QUARTER: 2	
PHASE: ST106/SS1111 ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ANALYSIS REQUIRED (Specify number of bottles) ITEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED	s 1 (717) 558-7258
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Associated with: GU023-202 GW026-202	
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	AIN	-0	F-(CLI	ST	$\overline{\Omega}$	DΥ	RF	CO	RD				CC	C NUMBE	.R
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		400 Hunt Valley MD Tel No: (410) 584-7000		C	HA	IN-C)F-	-CU	IS	ГОІ	Y	RE	ECO	RD				COC NUMBER
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	CT SITE AND : ST106/SS111		LAB PO NUMBE	R:			- 1	LAB CONT	TACT:	Kay Hov	ver I	KayHow	er@eurofins	US.com	Eurofins	1 (717) 556-72	58	
	0110000111		14600		ANA	ALYSIS R	FOUL	RED (S	necifi	numh	or of he	ottlock		T				
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PROJEC	T NAME:	225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625 PROJECT NUMBER:	LADORATORYA			IN-C													ПВ202-	
Kirtland	AFB Bulk Fuels	62599DM01	Eurofins Land	AME AND CONTAC aster Laboratorie	s		F	AX AND	MAIL RI	EPORTS	/EDD TO			lamond@ea ismith@eae:		A A	YEA	AR:	2020	
Facility	3		2425 New Hol	land Pike Lancast	ter PA 17	601	F	AX AND	MAIL RI	EPORTS	/EDD TO	: Pam M		moss@eae:		A	QU	ARTER:	2	
	T SITE AND ST109/SS111		LAB PO NUMBE 14800	R:	-	-		AB CON	TACT:	Kay Hov	wer	KayHow	er@eurofin	sUS.com	Eurofin	s 1 (717) 8	556-7258			
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625				AIN	1-C	F-	CL	JS	ΓΟΙ	DY	RE	ECO	RD					COC NUI		
Kirtlan Facility	CHAIN-OF-CUSTODY RECORD ECT NAME: Ind AFB Bulk Fuels Ity IAB PO NUMBER: IAB PO														YEAR: QUARTER:	2020						
PROJEC PHASE:	ST106/SS111			ER:				LA	B CONT	TACT:	Kay Hov	wer	KayHow	/er@eurofin	sUS.com	Eurofin	ns 1 (717	7) 556-7258	3			
					1A	VALYS	SIS RE	QUIR	ED (S	Specify	/ numb	er of b	ottles)		T							
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) bromide,	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SMOODE)			COMN	RENTS			
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				₹:				LA	B CONT	FACT:	Kay Hov	ver	KayHow	er@eurofinsl	JS.com	Eurofins	1 (717	7) 556-7258			
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of b	ottles)					OOMIENT			
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)				COMMENT	5		
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CHAIN-OF-CUSTODY RECORD															005		COC NU	MRFK
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ELECTION LABORATE PA 17601 ELECTION LABORATE PA 17601 EXECUTION LABORATE			Fax No. (410) 771-1625		AME AND CONTACT				FAX	AND M	AIL REF	PORTS/E	EDD TO:	Tara La			YEAR: 2020)
TEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLE	Kirtland			Eurofine Lanca	ster Laboratories	Ē.	601		FAX	AND M	IAIL REI	PORTS/	EDD TO:	Pam M	oss: pm	oss@eaest.com EA	2	
1 TB202-52 Y-16-2020 1600 Y - 2 - 2 - 2 - 4				LAR DO MUNAPER	S.			-	LAB	CONT	ACT: I	Kay How	er K	CayHowe	er@eurofinsL	S.com Eurofins 1 (717) 556-725	58	1
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	Π/-	IIIV	-0	Γ-/		101	OL	וכ	IL	.001	\D			CO	C-TB202-	53
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PROJECT PHASE:	OT SITE AND ST106/SS111			R:				LA	B CON	TACT:	Kay Hov	ver	KayHow	er@eurofinst	IS.com E	urofins 1 (717) 556-725	58		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 574-7000 Eav No: (410) 771-1625		С	HΑ	IN	-0	F-(CU	ST	0[YC	RE	COF	RD		-TB202-54
PROJEC	T NAME:	PROJECT NUMBER:					-	FA	X AND I	MAIL RE	PORTS					YEAR:	2020
Kirtland Facility		62599DM01				7601		FA	X AND I	MAIL RE	PORTS	-				QUARTER:	2
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ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	CUR	MMENIS	
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No. (410) 584-7000 Fax No. (410) 771-1625		С	HAI	N-C										COC-TB202-5	5
PROJEC		PROJECT NUMBER:				į		FAX AND	MAIL RE	PORTS/			a Smith: as	mith@eaest.com EA		YEAR: 2020	
Facility		62599DIWIO I	2425 New Holl	and Pike Lancast	er PA 176	501		FAX AND	MAIL RE	PORTS/	EDD TO:	Pam N	loss: pr	noss@eaest.com EA		QUARTER: 2	
	CT SITE AND			₹:				LAB CO	NTACT:	Kay How	ver k	KayHow	er@eurofins	US.com Eurofins	1 (717) 556-725	58	
PHASE:	ST106/SS111		14800		ANA	LYSIS F	REQU	IRED (Specify	numb	er of bo	ottles)					
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	87EX (8260C) VOCs	87EXN (8260C)	EDB (8260C)	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg (8011)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrité	(Total, Carbonate, and Bicarbonate)	0.0000	COM	IMENTS	
1	TR202		4-16-2020														
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3	Total And Mark Experiments and Signature Table 1479 847-1629 Table 147																
4	T NAME PRODUCT NUMBER 1 APR BUIL Fuels PRODUCT NUMBER 22590M01 LACCRATORY NAME AND CONTACT: Eurofins Lancaster PA 17601 EACH CONTACT: EUROFINS LANCASTOR PA 17601 EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH CONTACT: EACH																
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Ass	sociated with:	GU 070-2 GW 070-6	02														
SAMPL	LER(S):					***************************************		COUF	RIER AND	SHIPPIN	NG NUMB	ER:]	FedEx	7702	4261	5636	
	D. 2d	RELINQUISHED BY:			DATE		TIME		,				RECEIVI			DATE	TIME
Printec	PLER(S): D. Schweelk RELINQUISHED BY: DATE TIME Printed Name and Signature: 9. Schweelk Printed Name and Signature:																
I	COURIER AND SHIPPING NUMBER: FedEx 7702 to RECEIVED BY: Name and Signature: Schweelk 4-16-200 (900) Printed Name and Signature:																
Printed	d Name and Signature:							1		5110							
Drinte	d Name and Signature							Printe	ed Name a	and Signa	ature:						
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PROJECT INME PROJECT MAINE PRO	PROJECT SUME: S2599M01 LAGRATORY NAME AND CONTACT: Expression of the contact of														COC	C-TB202-				
SAMPLERIGN D. SCHULECK SAMPLE D. SCHULECK SAMPLERIGN D. SCHULECK D. SCHU			PROJECT NUMBER:						FAX.	AND MA	AIL REF	PORTS/I						YEAR:	2020	
ANALYSIS REQUIRED (Specify number of bottles) THEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLE			62599DM01	2425 New Holl	aster Laboratories and Pike Lancaste	er PA 17	601		FAX	AND MA	AIL REI	PORTS/	EDD TO:	Pam M	loss: pm	oss@eaest.com	EA	QUARTER:	2	
ANALYSIS REQUIRED (Specify number of bottles) THEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED TIME COLLECTED OF BUSINESS SAMPLE IDENTIFIER ANALYSIS REQUIRED (Specify number of bottles) THEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECTED TIME COLLECTED OF BUSINESS SAMPLE IDENTIFIER TREAD - 56 U-16-2000 1600 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PROJEC	CT SITE AND			₹:			_	LAB	CONTA	CT: F	Kay How	rer l	KayHow	er@eurofinsl	JS.com Eurof	ins 1 (717) 556-7	258		
TITEM SAMPLE IDENTIFIER DATE COLLECTED TIME COLLECT	PHASE:	ST106/SS111		14800		ANA	LYSIS	REQ	UIRE	D (Sp	ecify	numbe	er of bo	ottles)						
The table is a superior of the	ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total		(8260C)	(8260C) .		Total	(6010C) Dissolved Fe	(300.0) Chloride, bromide		(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		cc	DMMENTS	100	
2 3 4 5 Associated with: Gwo'72 - 202 Gw104 - 202 SAMPLER(S): D. Schwelk RELINQUISHED BY: Printed Name and Signature: D. Schwelk Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	1	TR202-	56	V-16-2020	1600	2		2		2				-						
Associated with: Gwo'72-202 Gw104-202 SAMPLERISI: D. Schwelk RELINQUISHED BY: DATE TIME Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	2	TRINGER DISTRIBUTIONS SAMPLE IDENTIFIER DATE COLLECTED TIME COLL																		
Associated with: Gwo'72-202 Gw104-202 SAMPLERISI: D. Schwelk RELINQUISHED BY: DATE TIME Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature: Printed Name and Signature:	3							\top												
Associated with: GWO72-202 SAMPLER(S): D. Schwelk RELINQUISHED BY: DATE TIME Printed Name and Signature:																				
Associated with: GW072-202 SAMPLER(S): D. Schweck RELINQUISHED BY: Printed Name and Signature: D. Schweck D. Schweck Printed Name and Signature:						V				_										
SAMPLER(S): D. Schwelk RELINQUISHED BY: Printed Name and Signature: D. Schwelk Printed Name and Signature:	-				-	V														
Printed Name and Signature: D. Schwelk Printed Name and Signature:	Ass	sociated with:	GWO72-20 GWIOY-20	2				8	1					v						
Printed Name and Signature: D. Schwelk Printed Name and Signature:	SAMPI	LER(S):	()<						C	OURIER	RAND	SHIPPIN	IG NUME	BER:]	FedEx	7702	4261	6030	6	
Printed Name and Signature: D. Schwele IK Printed Name and Signature:		D. Sch	RELINQUISHED BY:			DATE		TIME												TIME
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FIIIIQU NOIDS GIN ORGANIAN	Drieto	d Name and Signature							P	Printed N	lame ar	nd Signa	ature:							
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		С	HA	IN	-01	F-(CU	ST	0[ΟY	RE	COI	RD	ži.		COC-TB202	-
PROJEC	T NAME:	PROJECT NUMBER:	LABORATORY N	IAME AND CONTACT	T:			FAX	(AND N	MAIL RE	PORTS/				mond@eaest.com		YEA		
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		7601		FAX	(AND N	MAIL RE	PORTS				mith@eaest.com noss@eaest.com	EA EA	QUA	2020 RTER: 2	
PROJEC PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBEI 14800	R:							Kay How			rer@eurofins	US.com Eu	rofins 1 (717)	556-7258		
					AN	ALYS	IS REC	QUIRI	ED (S	pecify	numb	er of b	ottles)	1			COMMENT	re	
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320b) Alkalinity (Total, Carbonate, and Bicarbonate)			COMMENT	, a	5
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Ass	sociated with: (GW001-7 GW071-7	202						2			67							
SAMPL	ER(S): D Sala	meelk						C	OURIE	R AND	SHIPPIN	G NUMB	ER: F	FedEx	フラの2	426	1 560	03	
	J. Jen	RELINQUISHED BY:			DATE		TIME							RECEIVE				DATE	TIME
Printed	Name and Signature:			1					rinted N	lame ar	nd Signat	ure:							T
I). Schwee	IK &	fas	9-	16-2	020	190												
Printed	Name and Signature:							P	rinted N	lame ar	nd Signat	ure:		•				T	T
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Printed	Name and Signature:							F	Printed N	Vame a	nd Signat	ure:							1

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		400 Hunt Valley MD Tel No: (410) 584-7000		C	ПА	11/1-	·Ur	-(U	O I	UL) [111	.00			COC-TB2	102-38
PROJEC	T NAME:	PROJECT NUMBER:						FAX	AND N	AIL RE	PORTS/				arrieria@		YEAR: 2020	0
	ASSOCIATED WITH COLLECTED TIME COLLE														QUARTER: 2			
			LAR DO NUMBER	ş.				LAB	CONT	ACT:	Kay How	er l	KayHow	er@eurofins	US.com Eurofi	ns 1 (717) 556-72	58	
PROJEC PHASE:	ST SITE AND ST106/SS111			· ·	451	12/01/	2 DEC	N II DE	D /C	n a a ifu	numb	or of h	attles)		T			
						ALYSIS	SKEC	JUIKE	D (3)		numbe		Juics			COM	MENTS	
ITEM	SAMPLEI	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) otal As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) hloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity Total, Carbonate, and Bicarbonate)	(SM22CM2)			
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SAMPI	IER(S):	11.						C	OURIE	R AND	SHIPPIN	IG NUME	BER:	FedEx	7702	4261	5934	
	J. Sch	RELINQUISHED BY:			DATE	Т	TIME							RECEIV		,,,,,	DATE	TIME
Printed	d Name and Signature:	RELINGOISTEDDI							rinted I	Name a	nd Signa	ture:						
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	,HA	IIV-	-OF		05	110	JUY	KE	COF	ND		(COC-TB2	02-59
PROJEC	T NAME:	PROJECT NUMBER:		AME AND CONTACT				FAX A	AND MAIL	REPO	ORTS/EDD			mond@eaest.com mith@eaest.com	n EA EA	YEAR	2020	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancasi		7601		FAX A	AND MAIL	REPO	ORTS/EDD			ioss@eaest.com	EA	QUAF		
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBER	₹:				LABC	CONTACT	r: Kay	y Hower	KayHov	ver@eurofinsl	JS.com Eu	urofins 1 (717) 556-7258		
THACE.	31100/00111				ANA	ALYSI	S REQ	UIRE	O (Spec	cify nu	umber of	bottles)						
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	Total As,Pb,Ca,K,Na,Mg (8011)	(6020A/6010C)	Chloride, bromide, sulfate (6010C)	(353.2) Nitrate-Nitrite (300.0)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	8		COMMENT:	5	
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SAMPL	ER(S): D Sch	meelt						COI	URIER A	ND SHI	IPPING NUI	MBER:]	FedEx	7702	426	165	29	
		RELINQUISHED BY:			DATE		TIME	Deir	nted Name	o and S	Signature:		RECEIVE				DATE	TIME
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		225 Schiling Circle Suite 400 Hunt Valley MD			НΔ	IN.	-01	F_(211	ST	0[Y	RF	COI	SD	(OC NUMBER	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 1/	TII A.	01	-		O i	OL	<i>)</i> 1	IXL	-001	(D	COC	C-TB202-60	
	OT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	the state of the s	IAME AND CONTACT				FAX	X AND I	MAIL RE	PORTS	EDD TO:			mond@eaest.com EA mith@eaest.com EA	YEAR:	2020	
Facility		62033DM01		and Pike Lancaste		7601		FAX	X AND N	MAIL RE	PORTS	EDD TO:			noss@eaest.com EA	QUARTER:	2	
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBER	R:				LAE	BCONT	ACT:	Kay How	ver I	KayHow	er@eurofinst	JS.com Eurofins 1 (717) 55	6-7258		
TTHOL	C 1100100 1 11		111000		AN.	ALYSI	S REC	QUIRI	ED (S	pecify	numb	er of bo	ottles)					
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total. Carbonate, and Bicarbonate)		COMMENTS		
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Ass	sociated with: (GW 151-48	4-202															
		zws5-440	5-202											6				
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SAMPL	ER(S): D. Sch	neelk						C	OURIER	RANDS	HIPPING	G NUMBE	ER: F	edEx	7702 4261	596	7	
	Name and Signature:	RELINQUISHED BY:			DATE		TIME		rinted N	lame and	d Signatu	ite.		RECEIVED	D BY:		DATE TIME	
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	CT NAME:	PROJECT NUMBER:		IAME AND CONTACT				FAX	(AND N	MAIL RE	PORTS/	EDD TO:			nond@eaest.com	EA EA	YEA	AR:	2020	
Kirtlan	Lab PO NUMBER: Lab PO NUMBER: Lab CONTACT: Kay Hower KayHower@eurofinsUS.com EA														QUA	ARTER:	2			
PROJEC	CT SITE AND ST106/SS111			R:				LAE	3 CONT	ACT:	Kay How	rer l	KayHow	er@eurofinsU	S.com Eur	ofins 1 (717)	556-7258			
T TITLOC.	0110000111				AN.	ALYSI	SRE	QUIRI	ED (S	pecify	numb	er of bo	ottles)							
ITEM	SAMPLE		DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) bromide,	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			COMMEN	TS	ž.	
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2	Total Number of Bottless Total Number of Bot																			
3	JECT SITE AND LAB PONUMBER: 14800 ANALYSIS RECURED (Specify number of bottles) ANALYSIS RECURED (Specify number of bottles) COMMENTS ANALYSIS RECURED (Specify number of bottles) COMMENTS TB202-61 4-(6-2026 1600 Y - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -																			
4	TSTSTEAND STUDGESTITI LAB PO NUMBER: LAB CONTACT: Kay Hower KayHower Maybourge Grand Contact May Hower May Hower May Hower Maybourge Grand Contact May Hower																12.			
5	SAMPLE IDENTIFIER DATE COLLECTED TIME COLLEC																			
3	TB202-61 4-16-2020 1600 4 - 2 - 2																			
Ass	sociated with:	GUS9-49	1-202																	
SAMPL	ER(S): D Sch	weelk						C	OURIER	R AND	SHIPPIN	G NUMB	ER: F	edEx *	7702	426	1 63	56		
	7.	RELINQUISHED BY:		-	DATE		TIME		rinted N	lama ar	d Signat	iro.	,	RECEIVED	BY:				DATE	TIME
Printed	Name and Signature: Schweel	K 2	hil	4-	-16-2	020	190	-	mined N	valle di	o olgi lat	ui 3,								
Printed	Name and Signature:							P	rinted N	lame ar	d Signat	ure:								
Printed	Name and Signature:		7					P	Printed N	Name ar	nd Signat	ure:								

PROJEC Kirtland Facility	AFB Bulk Fuels	225 Schiling Circle Suite 400 Hunt Valley MD Tet No. (410) 584-7000 Fax No. (410) 771-1925 PROJECT NUMBER: 62599DM01	Eurofins Lanc	JAME AND CONTACT aster Laboratorie land Pike Lancast	Γ: \$		I-O	FA	X AND	MAIL R	FORTS	/EDD TO	D: Tara L Amano	da Smith: as	RD amond@eae	.com E	Α	YEAR	COC-	С NUMBE ТВ202- 2020 2		5
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBE	R:		-		LA	B CON	TACT:	Kay Ho	ver	KayHov	ver@eurofins	US.com	Eurofins	.1 (717) 55	6-7258				
T T W TO E.	0110000111		14000		AN	IALYS	SIS RE	QUIR	ED (S	Specify	numb	er of b	ottles)									
ITEM	SAMPLE IC	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs				(60) Total As		(300.0) Chloride, bromide, sulfate	Z	(Tol				COMMENT	s			
1	TB202-	62	4-16-2020	1600	4	_	2	_	2	-												
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Asso	ociated with: G	US7-45	1-202								I I		4			9						
SAMPLE	R(S): Dosch	meelk						C	DURIER	RANDS	HIPPING	3 NUMBI	ER: F	edEx	770	2 4	261	63	56			
Printed N	ame and Signature:	RELINQUISHED BY:			DATE		TIME		intod N	ama and	d Signatu	iro:		RECEIVED	BY:				D	ATE	TIM	Ē
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		225 Schiling Circle Suite 400 Hunt Valley MD	IN	-0	F-(CU	ST	OL	YC	RF	ECOF	RD		COC NUMBER				
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		•	,					<u> </u>							COC-TB202-	63
PROJEC		PROJECT NUMBER: 62599DM01	A STATE OF THE PARTY OF THE PAR	AME AND CONTACT aster Laboratories				FAX	(AND M	IAIL RE	PORTS/	EDD TO			mond@eaest.com EA mith@eaest.com EA		YEAR: 2020	
Facility	AFB Bulk Fuels	62593DM0 I		and Pike Lancast		7601		FAX	(AND M	IAIL RE	PORTS	EDD TO			oss@eaest.com EA		QUARTER: 2	
PROJEC	T SITE AND ST106/SS111	L	LAB PO NUMBE	₹:				LAE	CONTA	ACT: I	Kay How	er	KayHow	ver@eurofinsL	JS.com Eurofins	1 (717) 556-7258	8	
					AN.	ALYS	IS REC	QUIRI	ED (Sp	pecify	numb	er of b	ottles)					
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) }	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		COMN	MENTS	
1	TB202-	63	4-17-2020	1(47)	2		2		2	_			-					
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SAMPLE	R(S): D.Schv	reelk						C	DURIER	AND S	HIPPING	NUMBI	ER: F	edEx 🖰	77026	243 (0562	
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	*	225 Schiling Circle Suite 400 Hunt Valley MD			\ I I	A 1 A		pens.	<u> </u>														
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	H	411	1-C) -	CL	JS	ГО	DY	RE	EC(ORE)					OC NUM		
0.000	CT NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	T:			FA	X AND	MAII F	REPORT	S/EDD TO)· Tara I	amond:	Hamanda	21					C-TB20	2-6	,4
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land	aster Laboratorie land Pike Lancas	es tor DA	17001				4			Amano	da Smith:		eaest.co	m EA		١	EAR:	2020		
			- 120 11011 1101	idira i ine Laticasi	LEIFA	17601		-	XX AND	MAILR	REPORT	S/EDD TO): Pam	Moss:	pmoss@e	eaest.co	m EA		C	QUARTER:	2		9
PROJECT PHASE:	ST106/SS111		LAB PO NUMBE	R:				LA	BCON	ITACT:	Kay Ho	ower	KayHov	wer@euro	finsUS.com	1	Eurofins	1 (717) :	556-7258				
					AN	IALYS	SIS RE	QUIR	ED (S	Specif	v num	ber of b	nttles)			-							
										1	T	_	1	1	_				COMME	ENTS			
					Total Nu					Total As	Diss	Chloride,	z	(Total, Carbonate, a Bicarbonate)									
ITEM	SAMPLE ID	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) I As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) , bromid	(353.2) Nitrate-Nitrite	Carb	SM2								
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3																	The second second second						
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		-W016-20	17																				
	C	7W 0 10 20																					
SAMPLE	R(S): D. Schne	ell						CC	URIER	R AND S	HIPPING	3 NUMBE	R: -	177	— 10								
		RELINQUISHED BY:			DATE		TIME						Fe	edEx	7'7	02	62	243	0!	573			
Printed N	ame and Signature:	TIME	Pri	nted Na	ame and	Signatu	ire:		RECEIV	ED BY:						DATE	TI	IME					
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		225 Schiling Circle Suite 400 Hunt Valley MD			НΔ	IN	-0	F_(ST	\cap	٦Y	RF	COF	SD			COC NUME	BER
		Tel No: (410) 584-7000 Fax No. (410) 771-1625		O	1 1/-	VIII	-0	- (O i		J 1	1 _	.001	(D			COC-TB202	-65
PROJEC		PROJECT NUMBER:		AME AND CONTACT				FAX	X AND I	MAIL RE	PORTS/				mond@eaest.com nith@eaest.com	EA EA	YEAF	2020	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratorie and Pike Lancast		17601		FA	X AND	MAIL RE	PORTS				oss@eaest.com	EA	QUAI	RTER: 2	
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBE 14800	₹: .		191		LAI	B CONT	ACT:	Kay How	ver l	KayHow	er@eurofinsl	JS.com Eu	rofins 1 (717) 5	556-7258		
					AN	IALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)				OOMENT	0	
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			COMMENT	5	а
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	100-2010 1370 X 3M																		
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Ass	sociated with:	GW027- GW024-									11				•				
								10	COLIDIC	D AND	SHIPPIN	C NI IMD	ED.			1/0 /		000	
SAMPL	ER(S): 1. Mes	senser	2000 S 10 V 10 C 10 C 10 C 10 C 10 C 10 C 10 C						JOURIE	L AND	SITIFFIN	G NUMB	F	edEx	7702	4265	> +0		T ====
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Printed	Tetel Name and Signature: To show Messenger 4-20-2020 1530																		
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Printed	Name and Signature:							F	Printed I	Name a	nd Signal	ture:							T
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		225 Schilling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	HA	IN	-0	F-(CU	ST	10	YC	RE	COF	RD		COC NUMBER
200 100		Fax No. (410) 771-1625						1=									COC-TB202-66
PROJEC	I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT aster Laboratorie				FA	X AND I	MAIL RE	PORTS	/EDD TO:	Tara La Amanda		mond@eaest.com EA mith@eaest.com EA		YEAR: 2020
Facility			2425 New Holl	and Pike Lancast	erPA 1	7601		FA	X AND I	MAIL RE	PORTS	/EDD TO:	Pam M	loss: pm	oss@eaest.com EA		QUARTER: 2
	T SITE AND ST106/SS111		LAB PO NUMBEI 14800	₹:				LAI	B CONT	ACT:	Kay Hov	ver I	KayHow	er@eurofinsl	JS.com Eurofins	1 (717) 556-725	58
					AN	ALYS	IS RE	QUIR	ED (S	pecify	numb	er of bo	ottles)				
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		СОМІ	MENTS
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Ass	ociated with:	6W044- 7							L				1	1		P	
SAMPLE	R(S): A. Messen	ge RELINQUISHED BY:			DATE				OURIEF	RANDS	HIPPIN	G NUMBE	F F	edEx	7702 4	265	7974
Printed	Vame and Signature:	TIME		rinted N	ame and	Signati	ure:		RECEIVED	BY:		DATE TIME					
	Joshua Me	120	153	_	,		9										
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		225 Schiling Circle Suite 400 Hunt Valley MD	OF	=-C	CUS	ST	O	YC	RE	ECOI	RD			COC NUMB					
		Tel No: (410) 584-7000 Fax No. (410) 771-1625														-	YEAR:	C-TB202	- 67
PROJEC	T NAME: · I AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		AME AND CONTACT aster Laboratorie				FAX	AND MA	AIL RE	PORTS	/EDD TO			amond@eaest.com mith@eaest.com	EA EA		2020	
Facility			2425 New Holl	and Pike Lancast	er PA 17	601		FAX.	AND MA	AIL RE	PORTS	/EDD TO	: Pam I	Moss: pn	noss@eaest.com	EA	QUARTER	2	
	T SITE AND ST106/SS111		LAB PO NUMBER 14800	₹:					CONTA				-	ver@eurofins	US.com Euro	ofins 1 (717) 556-7	258		
	U. C. Armir de La Company				ANA	LYSIS	REQ	UIRE	D (Sp	ecify	numb		ottles)	T			MATERITO		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C)	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(21,000,000)	CO	DMMENTS		
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Ass	ociated with:																		
		6W060-2	202																
		6W060-2	202																
SAMPLE	:R(S): Messe		co	URIER	AND S	HIPPIN	G NUMB	ER: I	FedEx	7702	4265	7518	3						
Deleted	Name and Signature:		TIME	Drir	nted Nar	me and	Signati	ille.		RECEIVE	D BY:			DATE	TIME				
Printed		ssenger	Ma	4-7	0-202	0 1	530	_	nted war	ine and	Joignac	arc.			81				
Printed I	Name and Signature:			nted Nar	me and	Signat	ure:												
Printed	Name and Signature:		Prin	nted Na	me and	d Signat	lure:												
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625	-	O	1 1/	1114	Oi	•		0 1			1 1					CC	C-TB202	68
PROJEC		PROJECT NUMBER:		AME AND CONTACT				FAX	(AND I	MAIL RE	PORTS/I		Tara La Amanda		mond@eaest.com	EA EA		YEAR:	2020	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratories and Pike Lancast		7601		FAX	(AND I	MAIL RE	EPORTS/I				noss@eaest.com	EA		QUARTER	2	
PROJEC	CT SITE AND		LAB PO NUMBER	₹:				LAE	CONT	TACT:	Kay How	er l	CayHowe	er@eurofins	US.com Eu	ırofins 1 (717) 556-72	258		
PHASE:	ST106/SS111		14800		AN	ALYS	IS REC	JUIRE	ED (S	Specify	numbe	er of bo	ottles)							
-					-	,				1	П	_					СО	MMENTS		
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3ZUB) Alkalinity (Total, Carbonate, and Bicarbonate)	0.0000				el	
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Ass	sociated with: (GWO17-2 GWO94-6	102																ś	
SAMPL	ER(S): 5-6	neelk						C	OURIE	R AND	SHIPPIN	G NUMB	er: F	edEx	7702	421	67 4	1360		141
	J. JCTV	TIME							RECEIVE	D BY:				DATE	TIME					
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		(H	112	LC	F	CI	10	TO	DV	DI	ECO						COC NUI	ADED
PROJEC	OT NAME:	Fax No. (410) 771-1625				711	4-C	- 1	U	JO	IU	DY	KE		RD						
Kirtlan	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC caster Laboratorie				FA	AX AND	MAIL R	EPORTS	S/EDD TO	: Tara L	amond: 1	lamond@ea	est.com	EA		YEAR:	C-TB2	02-69
Facility	,		2425 New Hol	lland Pike Lancas	es ter PA	17601		EA	AX AND	MAIL R	FPORT	S/EDD TO	Amand	a Smith: a	smith@eae	st.com	EA		TEAR.	2020	
PROJEC	CT SITE AND										LI OITT	S/EDD (C	. Parii R	noss: p	moss@eae	st.com	EA		QUARTER:	2	
PHASE:	ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	ITACT:	Kay Ho	wer	KayHow	er@eurofins	sUS.com	Eurofi	ns 1 (717	7) 556-725	3		
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									T									COMN	ENTE		
					Total Number of Bottles					(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	Dis	Chloride.	7	(SMZ3Z0B) Alkalinity (Total, Carbonate, a Bicarbonate)				COMIN	ILIVI 3		
ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	mbe	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	,Pb.	(601 Solve	(30 e, bro	(35 litrate	Alka Cart							
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C AME AND CONTACT		IN	-0						RE : Tara La)RD	est.com	EA			COC NU C-TB2	02-7	
PROJECT Kirtland Facility	AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	Eurofins Lanca	aster Laboratorie and Pike Lancast	s	7601							Amanda : Pam M	Smith:	asmith@eaes pmoss@eaes	st.com	EA		QUARTER			
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBER	₹:						ACT: I				er@eurofi	nsUS.com	Euro	fins 1 (71	17) 556-72	258			
PHASE.	31100/33111				AN	ALYS	IS RE	QUIRE	ED (S	pecify	numb	er of b	ottles)		_			COI	MMENTS			
ITEM	SAMPLE I	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)		48					
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	Para Ar	225 Schiling Circle Suite 400 Hunt Valley MD		C	HA	IN-	OI	F-(CU	ST	OL	YC	KE	COF	くし			COC-TB202	-71	
		Tel No: (410) 584-7000 Fax No. (410) 771-1625	and the state of t	O	, .										nond@eaest.com	n EA	YEA			
DJECT	NAME	PROJECT NUMBER:		AME AND CONTACT:				FAX	AND N	AIL RE	PORTS/E	DD TO:	Amanda	Smith: asr	nith@eaest.com	EA	0114	RTER:		
	AFB Bulk Fuels	62599DM01	Eurofins Lanca	ester Laboratories and Pike Lancaste	er PA 17	601		FAX	AND N	AIL RE	PORTS/E	EDD TO:	Pam Mo	oss: pm	oss@eaest.com	EA	QUA	2		
ility			2425 New 11011											r@eurofinsl	is com F	urofins 1 (71)	7) 556-7258			
) IECT	SITE AND		LAB PO NUMBER	₹:				LAE	CONT	ACT:	Kay How	er	KayHowe	i weurom isc						-
ASE: S	T106/SS111		14800		ANA	LYSI	SRE	QUIRE	ED (S	pecify	numbe	er of be	ottles)				COMMEN	TS	•	-
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					Total Number of Bottles					(60) tal As	Disso	(300.0) Chloride, bromide, sulfate	Z	(SMZ3Z05) Alkalinity (Total, Carbonate, Bicarbonate)						
					dumb	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) As,Pb,Ca,K,N	(6010C) Dissolved Fe, Mn	(300.0) bromid	(353.2) Nitrate-Nitrite	(SMZ3Z0b) Alkalinity I, Carbonate Bicarbonate						
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					Bottl					6020A/6010C) As,Pb,Ca,K,Na,Mg	Mn	sulfa	"	and						
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		C	H	11/	I-C	F-	CL	IS.	TΩ	DY	RF	ECO	RD				CC	OC NUME	ER
100000000000000000000000000000000000000	CT NAME: ad AFB Bulk Fuels	Fax No. (410) 771-1625 PROJECT NUMBER: 62599 DM01	Eurofins Land	NAME AND CONTAC caster Laboratorie lland Pike Lancast	T:			F	AX AND	MAIL F	REPORT	S/EDD TO): Tara L Amano	amond: t	lamond@ea smith@eae moss@eae	st.com E	A A		COC EAR: UARTER:	-TB202 2020	-72
PROJE PHASE	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:			ec du con	LA	B CON	TACT:	Kay Ho	wer	KayHow	ver@eurofin:	sUS.com	Eurofin	s 1 (717)	556-7258		2	
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ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)	(Second)			COMME	NTS		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000		С	HA	IN	-0	F-(CU	ST	0[YC	RE	COI	RD			COC-TB20	
PROJEC' Kirtland Facility	NAME: AFB Bulk Fuels	Tel No: (410) 584-7000 Fex No. (410) 771-1625 PROJECT NUMBER: 62599DM01	AME AND CONTACT aster Laboratorie and Pike Lancast	s	7601		FAX	(AND I	MAIL RE	PORTS	/EDD TO:	Amanda Pam M	a Smith: as loss: pn	mond@eaest.com nith@eaest.com loss@eaest.com	EA EA EA Larofins 1 (717)	YEAR			
PROJEC	T SITE AND ST106/SS111		LAB PO NUMBER	₹:							Kay Ho		100	er@eurofins	JS.COIII E	31011113 1 (1117)			
PHASE:	51106/55111				AN	ALYS	IS RE	QUIRI	ED (S	pecify	numb	er of b	ottles)				COMMENT	S	
ITEM	SAMPLE	IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM23200) Alkalinity (Total, Carbonate, and Bicarbonate)					
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		400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625		C		III	-0	r-(JU	01	OL	JΪ	N.L		ND			COC-TB20	2-74
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Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratories and Pike Lancaste		7601		FAX	K AND I	MAIL RE	PORTS/	EDD TO:			noss@eaest.com		QUA	RTER: 2	
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBEI	₹:				LA	3 CONT	ACT:	Kay How	er I	KayHow	er@eurofins	US.com E	urofins 1 (717)	556-7258		
PHASE:	51100/55111		14000		AN	ALYS	IS RE	QUIR	ED (S	pecify	numbe	er of bo	ottles)						
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625			1 12				-			٠.	1 11	-001	()				CC	C-TB20	2-75
	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		IAME AND CONTACT				FA	X AND	MAIL RE	EPORTS	/EDD TO			mond@eaest.mith@eaest.		EA EA		YEAR:	2020	
Facility		02000 NO 1		land Pike Lancast		7601		FA	X AND	MAIL RE	EPORTS	/EDD TO			noss@eaest.		EA		QUARTER	2	
PROJEC PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Hov	ver	KayHow	er@eurofinsl	JS.com	Eurofi	ins 1 (7	717) 556-72	58		
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PROJEC	CT NAME:	PROJECT NUMBER:	LABORATORY N	AME AND CONTACT	:			FAX	(AND I	MAIL RE	PORTS				amond@eaest.com EA	YEAR:	2020	
Kirtland Facility	d AFB Bulk Fuels	62599DM01		aster Laboratories and Pike Lancast		7601		FAX	(AND I	MAIL RE	PORTS/				mith@eaest.com EA moss@eaest.com EA	QUARTE		
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBE	₹:	-			LAE	CONT	TACT:	Kay How	rer l	KayHow	er@eurofins	US.com Eurofins 1 (717)	556-7258		
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		225 Schiling Circle Suite 400 Hunt Valley MD Tel No: (410) 584-7000 Fax No. (410) 771-1625				IN	-0					THE THE		COF	SWITTER STATE OF THE STATE OF T		COC	TB202-	77
100000000000000000000000000000000000000	CT NAME:	PROJECT NUMBER:		AME AND CONTACT				FA)	X AND I	MAIL RE	PORTS	/EDD TO:	Tara La Amanda		mond@eaest.com EA mith@eaest.com EA		YEAR:	2020	
Facility	d AFB Bulk Fuels	62599DM01		and Pike Lancaste		7601		FAX	X AND	MAIL RE	PORTS	/EDD TO:			oss@eaest.com EA		QUARTER:	2	
PROJEC PHASE:	CT SITE AND ST106/SS111		LAB PO NUMBER 14800	₹:				LAE	CONT	TACT:	Kay Hov	ver K	(ayHowe	er@eurofinst	JS.com Eurofins	1 (717) 556-72	58		
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ITEM	SAMPLE	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)		CON	IMENTS		-
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DDO IE	CT NAME:	Tel No: (410) 584-7000 Fax No. (410) 771-1625			/ 1 1/	711	4-C) [-		10	IO	υY	K		KD					
Kirtlan	d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	LABORATORY	NAME AND CONTAC	T:			F	AX AND	MAIL F	REPORT	S/EDD TO	D: Tara L	amond:	tlamond@ea	est.com EA	1	YEAR:	OC-TB20	12-79
Facility	/		2425 New Ho	caster Laboratorie Iland Pike Lancasi	es ter PA	17601		- 1				S/EDD TO	Amano	a Smith	asmith@eae	st.com E/	A	TEAR.	2020	
PROJEC	CT SITE AND								017410	, INICALL, IN	CFORT	S/EDD I	J. Pam 1	NOSS:	pmoss@eaes	st.com EA		QUARTE	R: 2	
PHASE:	ST106/SS111		LAB PO NUMBE 14800	R:				LA	AB CON	ITACT:	Kay Ho	ower	KayHov	rer@eurofir	sUS.com	Eurofins	1 (717) 556	-7258		
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	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01	1	NAME AND CONTAC				FA	AX AND	MAIL RI	EPORTS	S/EDD TO			amond@eae:			YEAR:	2020	
Facility				olland Pike Lancas		17601		FA	AX AND	MAIL RI	PORTS	S/EDD TO			noss@eaest			QUARTER		
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ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			COM	MMENTS		
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PROJEC PHASE:	OT SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHow	er@eurofins	US.com	Eurofins	1 (717) 55	6-7258	2	Description of the second seco
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ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)			-	COMMENT	S	
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	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTACT				FA	X AND	MAIL RE	PORTS	EDD TO			tlamond@ea asmith@eae:		EA EA		YEAR:	2020	
Facility		02033510101		land Pike Lancast		7601		FA	X AND	MAIL RE	PORTS	EDD TO			pmoss@eaes		EA		QUARTE	ER: 2	and distance the grant and
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			-		AN	ALYS	IS RE	QUIR	RED (S	Specify	numk	er of b	ottles)	·							
ITEM	SAMPLE II	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	Alkalinity (Total, Carbonate, and Bicarbonate)	(SM2320B)			CO	MMENTS		
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1	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC caster Laboratorie				FAX AN	ND MAIL R	EPORTS	S/EDD TO			tlamond@eaest.com	n EA EA		YEAR:	2020	
Facility		0200001101		land Pike Lancast		601		FAX AN	ID MAIL R	EPORTS	S/EDD TO			asmith@eaest.com pmoss@eaest.com	EA		QUARTER:	-	
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		Tel No: (410) 584-7000 Fax No. (410) 771-1625		C	,17/	411r	4-C) 	CL	15	IO	DY	R	ECO	RD	COC NU	
	CT NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTAC	T:			F	AX AND	MAIL F	EPORT	S/EDD TO) Tarai	amond: f	lamond@eaest.com EA	COC-TB2	02-84
Facility	d AFB Bulk Fuels	62599DM01	Eurofins Land	caster Laboratorie Iland Pike Lancast	S			1					Amand	la Smith: a	lamond@eaest.com EA smith@eaest.com EA	YEAR: 2020	
			2425 New Fig.	nand Pike Lancasi	erPA	17601		F	AX AND	MAILR	EPORTS	S/EDD TO	: Pam I	noss: p	moss@eaest.com EA	QUARTER:	
PROJEC	CT SITE AND ST106/SS111		LAB PO NUMBE	R:			-	L	AB CON	ITACT:	Kay Ho	wer	KavHov	er@eurofin:	sUS.com Eurofins 1 (717) 556-725	2	
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ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Total, Carbonate, and Bicarbonate)		MENTS	
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	T NAME:	PROJECT NUMBER:	LABORATORY	NAME AND CONTACT	T:			FA	AX AND	MAIL R	EPORTS	S/EDD TO): Tara l	amond: t	lamond@ea	aget com	EA	****	7/5		-TB202	2-8	5
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PROJEC	CT SITE AND		LAB PO NUMBE		erpa	17601						S/EDD TO			moss@eae	st.com	EA		QU	ARTER:	2		
PHASE:	ST106/SS111		14800	:K:				LA	VB CON.	TACT:	Kay Ho	wer	KayHov	ver@eurofin:	sUS.com	Eurofi	ins 1	(717) 558	3-7258				
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ITEM	SAMPLE ID	ENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(Sw23200) Alkalinity (Total, Carbonate, and Bicarbonate)	TOTAL STATE OF THE	,		C	COMMEN	TS	e		
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Facility		02000010101		land Pike Lancast		17601		FA	X AND	MAILR	EPORTS	S/EDD TO:			oss@eaest.com	EA	QUAR			
PROJEC PHASE:	T SITE AND ST106/SS111		LAB PO NUMBE 14800	R:				LA	B CON	TACT:	Kay Ho	wer	KayHow	er@eurofinsl	JS.com Eu	rofins 1 (717) 5	56-7258			and the same of th
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1	CT NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC		orthographic and the second		FA	AX AND	MAIL R	EPORT	S/EDD TO			tlamond@eaest.com EA	COC-TB202-87
Facility	,		2425 New Ho	lland Pike Lancast	ter PA	17601		FA	AX AND	MAILR	EPORT	S/EDD TO	: Pam I		asmith@ezest.com EA pmoss@eaest.com EA	2020 QUARTER:
PROJE	CT SITE AND ST108/SS111	1	LAB PO NUMBE	R:	****			LA	AB CON	ITACT:	Kay Ho	wer	KavHny	ver@eurofin	neilCom Eurofine d /7/75 FF2 To	2
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PROJEC	T NAME: d AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				FA	X AND	MAIL RE	PORTS	EDD TO	: Tara L Amand			nond@eaes nith@eaest.		EA EA		YEAR	20	20	
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	nd AFB Bulk Fuels	PROJECT NUMBER: 62599DM01		NAME AND CONTAC				F	AX ANI	D MAIL F	REPORT	S/EDD TO	D: Tara	Lamond; t	tlamond@eaest.com EA	COC-TB202-	-90
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ITEM	SAMPLE ID	DENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs	BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SMZ3ZUB) Alkalinity (Total, Carbonate, and Bicarbonate)	(SMZZZZOB)	MMENTS	
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#### **FestAmerica Irvine**

17461 Derian Ave Suite 100 rvine, CA 92614-5817

Fed Ex Tracking # = Chain of Custody Record

<u>TestAmerica</u>

Phone (949) 261-1022 Fax (949) 260-3297 Carrier Tracking No(s): Joshva Messenger **Client Information** Fama, Sheri M 7708 3601 1966 440-152097-28023.27 lient Contact: amela Moss sheri.fama@testamericainc.com Page 1 of 1 om pany: EA Engineering, Science, and Technology **Analysis Requested** Due Date Requested: Preservation Codes: '995 E. Prentice Ave. Suite 206E M - Hexane TAT Requested (days): B - NaOH N - None 3reenwood Village 15 Business Days C - Zn Acetate O - AsNaO2 tate, Zip: D - Nitric Acid P - Na204S 0, 80111 F - NaHSO4 Q - Na2SQ3 hone: F - MeOH R - Na2S2O3 filtered 103-810-6903(Tel) 20149 G - Amchlor S-H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate WO#: I - Ice U - Acetone 62599DM01.1035.06 J - DI Water V-MCAA roject Name: Project#: field K - EDTA W - pH 4-5 Cirtland AFB - Well Disinfection Water Sampling 44021666 L- EDA Z - other (specify) SSOW#: Other: Cirtland AFB New Mexico 300.1B_28D - Bros Sample Matrix Type (W=water, S=solld Sample (C=comp, O=waste/oll. ample Identification Time Sample Date G=grab) BT=Tissue, A=Air) Special Instructions/Note: Preservation Code: N KAFB-106005-WR-pre 6-29-2020 0815 Water 3 KAFB-106005-WR-Post 6-30-2020 0850 Water KAFB-106028-WR-Pre 6-24-2020 1015 Water 3 KAFB - 106028 - WR - post 6-29-2020 1205 Water 3 KAFB-106239-WR-PRE 6-25-2020 1030 Water KAFB-106239-WR-POST 6-29-2020 0920 Water Water Water Water ossible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Disposal By Leb

Archive For

More Non-Hazard Flammable Poison B Unknown Radiological Archive For Months eliverable Requested: I, II, III, IV, Other (specify) Level 4 data deliverable (NonDOD); EQuIS EDD Special Instructions/QC Requirements: npty Kit Relinquished by: Time: Method of Shipment: Date/Time: Received by: Company 6-30-2020 1400 EA Eng linquished by: om pany Received by: Company Inquished by: Date/Time: Company Date/Time: Company Custody Seals Intact: Custody Seal No. Cooler Temperature(s) °C and Other Remarks: Δ Yes Δ No



## United States Department of the Interior

U. S. GEOLOGICAL SURVEY New Mexico Water Science Center Albuquerque, New Mexico 87110

#### MEMORANDUM FOR RECORD

August 17, 2020

Attention: Cynthia Cash, AFCEC

Through: Kimberly Beisner, Water Quality Specialist, NMWSC

Stuart Norton, Supervisory Hydrologist, NMWSC

From: Kate Wilkins, Hydrologic Technician, NMWSC

Subject: Quarterly Organic Data Transmittal for Kirtland Air Force Base (KAFB) Bulk Fuels

Facility (BFF) Ethylene Dibromide (EDB) Plume Sentinel Wells for the April 2020

to July 2020 Quarter.

The USGS installed sentinel wells downgradient of the KAFB BFF EDB plume and upgradient from community water-supply wells, as a means of providing advanced warning of water quality in the vicinity of community water-supply wells. Samples are collected from the sentinel wells on a quarterly basis in accordance with the USGS fundamental science practices. This memorandum provides a summary of organic data results for the USGS KAFB BFF EDB plume Sentinel Wells (Figure 1, Table 1). Laboratory analytical results for the quarter from April 2020 through July 2020 are presented in Table 2.

## Site Descriptions

All the sentinel well sites (Figure 1, Table 1) are located in urban areas. The Trumbull well nest is located in a parking lot at the intersection of Trumbull Avenue SE and Mesilla Street SE. The surrounding neighborhood has a high volume of vehicle traffic. The Cesar Chavez well nest is located behind the Cesar E. Chavez Community Center, and the site is separated from vehicle traffic. The Southern well nest is located east of Phil Chacon Park, and the site is generally separated from vehicle traffic. The VA well nest is located next to Randolph Road SE, which has a high volume of vehicle traffic.

### Sampling Period

Samplers were deployed between January 6, 2020, and January 9, 2020. Environmental samples were collected between June 2, 2020, and June 5, 2020.

## Sampling Protocols

Samples were collected using dual membrane diffusion samplers following USGS sampling protocols outlined in the National Field Manual for the collection of water-quality data (U.S. Geological Survey, variously dated). The quality assurance samples collected include a source solution blank, trip blank, field blanks, equipment blank, matrix spike, and replicate.

### Sample Analysis

In November 2018, USGS began using the USGS National Water Quality Laboratory (NWQL) for organic compound analyses at the USGS KAFB EDB sentinel wells in order to improve data quality and ensure timely delivery of the data. Organic compound analysis is completed by NWQL using method O-4127-96 (Connor and others, 1998). Effective October 1, 2019, laboratory reporting thresholds were modified to reflect detection limits of EPA Method SW8260C and EPA Method SW8011. The method is approved to be in conformance with the National Environmental Laboratory Accreditation Program (NELAP).

#### Data Review

The data presented herein have been reviewed and approved by USGS staff, as outlined in the work plan (Travis, 2017). Results are reported in Table 2. No detections were found in the environmental samples. The data reviewed within this memorandum were in accordance with the quality assurance requirements outlined in the work plan.

The data are publicly available via NWIS at https://waterdata.usgs.gov/nwis/. If you have any questions regarding the data, please feel free to contact me at 505-830-7946 or klwilkins@usgs.gov.

Sincerely,

KATE WILKINS Date: 2020.08.17
15:53:36 -06'00'

Digitally signed by KATE WILKINS Kate Wilkins Project Chief Hydrologic Technician USGS New Mexico Water Science Center

cc: Sheen Kottkamp, AFCEC
Ben Moayyad, USACE
Bernard Bockisch, EA Engineering
Stuart Norton, USGS
Kimberly Beisner, USGS
Michael Johnson, USGS

#### References:

Connor, B.F., Rose, D.L., Noriega, M.C., Murtagh, L.K., and Abney, S.R., 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits: U.S. Geological Survey Open-File Report 97-829, 78 p.

Travis, R., 2017, Work Plan for The Quarterly Sampling of the Kirtland Air Force Base Bulk Fuels Facility Plume Sentinel Wells. 31 p.

- U.S. Environmental Protection Agency, 1992,1,2-Dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography: U.S. Environmental Protection Agency 13 p., accessed August 17, 2020, at <a href="https://www.epa.gov/sites/production/files/2015-12/documents/8011.pdf">https://www.epa.gov/sites/production/files/2015-12/documents/8011.pdf</a>.
- U.S. Environmental Protection Agency, 2006, Volatile organic compounds by gas chromatography/mass spectrometry (GC/MS): U.S. Environmental Protection Agency 92 p., accessed August 17, 2020, at <a href="https://www.epa.gov/sites/production/files/2018-06/documents/method-8260c-rev-3-8-1-2006.pdf">https://www.epa.gov/sites/production/files/2018-06/documents/method-8260c-rev-3-8-1-2006.pdf</a>.
- U.S. Geological Survey, variously dated, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, book 9, chaps. A1-A10, available online at http://pubs.water.usgs.gov/twri9A.

Figure 1: Location of Kirtland Air Force Base Bulk Fuels Facility, USGS sentinel wells, and community water supply wells, Albuquerque and Kirtland Air Force Base, New Mexico.

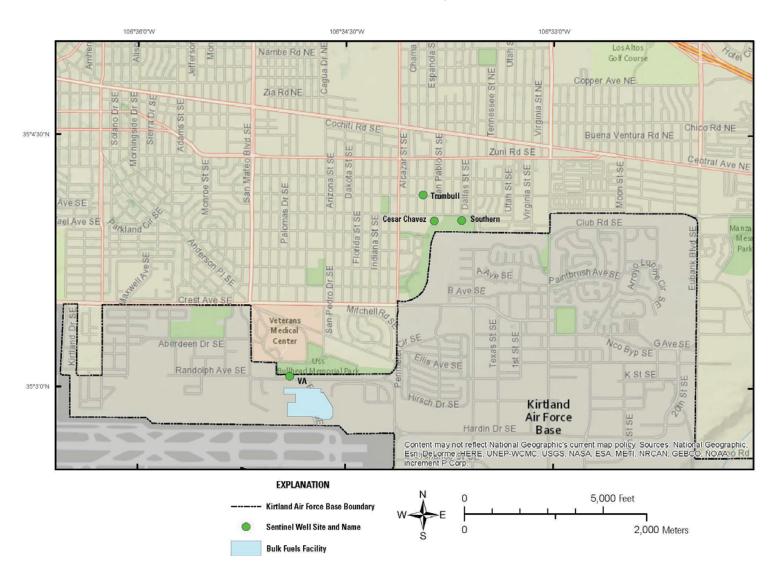


Table 1: Sentinel Well Site Information

Table 1. Sentine	i wen site information	I	T		1
Site Identification Number	Station Name	Construction Completion Date	Well Depth (feet below land surface (bls))	Well Diameter (inches)	Screened Interval (feet bls)
Cesar Chavez Sentir	nel Wells				
350359106335201	10N.04E.30.134A CESAR CHAVEZ SENTINEL WELL 1A	11/20/2014	519	2.5	459 - 509
350359106335202	10N.04E.30.134B CESAR CHAVEZ SENTINEL WELL 1B	10/28/2014	620	2.5	580 - 600
350359106335203	10N.04E.30.134C CESAR CHAVEZ SENTINEL WELL 1C	10/28/2014	1,040	2.5	1,000 - 1,020
350359106335204	10N.04E.30.134D CESAR CHAVEZ SENTINEL WELL 1D	10/28/2014	1,338	2.5	1,298 - 1,318
Southern Sentinel V	Vells				
350359106333901	10N.04E.30.144A SOUTHERN SENTINEL WELL 1A	12/11/2014	538	2.5	468 - 518
350359106333902	10N.04E.30.144B SOUTHERN SENTINEL WELL 1B	3/22/2015	610	2.5	570 - 590
350359106333903	10N.04E.30.144C SOUTHERN SENTINEL WELL 1C	3/22/2015	1,090	2.5	1,050 - 1,070
350359106333904	10N.04E.30.144D SOUTHERN SENTINEL WELL 1D	3/22/2015	1,400	2.5	1,360 - 1,380
Trumbull Sentinel W	/ells				
350408106335601	10N.04E.30.1243A TRUMBULL- NEST-1A	4/18/2013	522	2.5	437 - 467; 467 - 517
350408106335602	10N.04E.30.1243B TRUMBULL- NEST-1B	4/18/2013	1,018	2.5	998 - 1,008
350408106335603	10N.04E.30.1243B TRUMBULL- NEST-1C	4/18/2013	1,432	2.5	1,412 - 1,422
VA Sentinel Wells			,	ı	1
350304106345401	10N.03E.36.1433A T10N.R03E.S36.1433A Shallow VA Sentinel Well	4/26/2016	660	3	620 -640
350304106345402	10N.03E.36.1433B T10N.R03E.S36.1433A Middle VA Sentinel Well	4/26/2016	860	3	820 - 840
350304106345403	10N.03E.36.1433C T10N.R03E.S36.1433A Deep VA Sentinel Well	4/26/2016	1,040	3	1,000 - 1,020

Table 2
Groundwater Analytical Results for Sentinel Wells, April - July 2020

					Site Name:	Ce	esar Chavez	1A	Ce	esar Chavez	1B	Ce	esar Chavez	1C	Ce	esar Chavez	1D
				Station	Identification:	350	0359106335	201	350	03591063352	202	350	0359106335	203	35	0359106335	204
					Sample Date:	06	6/03/2020 14	.00	06	6/03/2020 13	00	06	6/03/2020 12	00	06	6/03/2020 10	00
				;	Sample Type:	E	Environmenta	al	Е	Environmenta	al	E	Environmenta	al	ı	Environmenta	al
				Sample D	Depth (ft bgs):		496			591			1002			1303	
			Site Elev	ation (ft abo	ve sea level):		5350.33			5350.23			5350.23			5350.23	
			NMAC		Project Screening												
Parameter	Analytical Method	Analyte	NMWQCC ^a	EPA MCL ^b	Level ^c	Result	Val Qual	MRL									
EDB	USGS Method	1,2-dibromoethane ^d	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs	O-4127-96 (µg/L)	Benzene	10	5	5	<0.6	U	0.60									
		Ethylbenzene	750	700	700	<0.6	U	0.60									
		Naphthalene	30	NS	30	<0.6	U	0.60									
		Toluene	750	1,000	750	<0.6	U	0.60									
		Total Xylenes	620	10,000	620	<1.8	U	1.8									
					Site Name:		Southern 1A			Southern 1B			Southern 10			Southern 1D	)

					Site Name:		Southern 1A			Southern 1B			Southern 1C	;	<u> </u>	Southern 1D	)
				Station	Identification:	350	03591063339	901	350	3591063339	902	350	0359106333	903	350	0359106333	904
					Sample Date:	06	6/04/2020 13	00	06	6/04/2020 12	00	06	3/04/2020 11	00	06	6/04/2020 10	00
					Sample Type:	Е	nvironmenta	al	E	nvironmenta	al	Е	Environmenta	al	F	Environmenta	al
				Sample	Depth (ft bgs):		506			580			1062			1370	
			Site E	levation (ft at	ove sea level):		5363.20			5363.10			5363.10			5363.10	
					Project												
			NMAC		Screening										1	'	
Parameter	Analytical Method	Analyte	NMWQCC ^a	EPA MCL ^b	Level ^c	Result	Val Qual	MRL	Result	Val Qual	MRL	Result	Val Qual	MRL	Result	Val Qual	MRL
EDB	USGS Method	1,2-dibromoethane ^d	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs	O-4127-96 (µg/L)	Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
1 1		Total Xvlenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

					Site Name:		Trumbull 1A			Trumbull 1B			Trumbull 1C	,
				Station	Identification:	350	04081063356	601	350	04081063356	602	350	04081063356	603
					Sample Date:	06	5/02/2020 14	00	06	6/02/2020 13	00	06	6/02/2020 11	00
					Sample Type:	Е	Environmenta	al	Е	Environmenta	al	Е	Environmenta	al
				Sample	Depth (ft bgs):		484			1000			1414	
			Site E	levation (ft ab	ove sea level):		5337.76			5337.76			5337.76	
					Project									1
			NMAC		Screening									
Parameter	Analytical Method	Analyte	NMWQCC ^a	EPA MCL ^b	Level ^c	Result	Val Qual	MRL	Result	Val Qual	MRL	Result	Val Qual	MRL
EDB	USGS Method	1,2-dibromoethane ^d	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs	O-4127-96 (µg/L)	Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Total Xylenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

Table 2
Groundwater Analytical Results for Sentinel Wells, April - July 2020

					Site Name:		VA Shallow			VA Middle			VA Deep	
				Station	Identification:	350	03041063454	101	350	3041063454	402	350	03041063454	403
					Sample Date:	06	6/05/2020 120	00	06	/05/2020 11	00	06	5/05/2020 100	00
					Sample Type:	E	nvironmenta	ıl	Е	nvironmenta	al	Е	Environmenta	al
				Sample	Depth (ft bgs):		622			820			1000	
			Site E	levation (ft ab	ove sea level):		5340.668			5340.668			5340.668	
			NMAC		Project Screening									
Donomoton	A so a losti a a losti a a l	Amaluta	_	EDA MOLD		Desult	Val Oual	MDI	Desuit	Val Oval	MDI	Desuit	Val O	MDI
Parameter	Analytical Method	Analyte	NMWQCC ^a	EPA MCL ^b	Level	Result	Val Qual	MRL	Result	Val Qual	MRL	Result	Val Qual	MRL
EDB	USGS Method	1,2-dibromoethane ^d	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs	O-4127-96 (µg/L)	Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Total Xylenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

a NMWQCC numeric standards per the NMAC Title 20.6.2.3101A, Standards for Ground Water of 10,000 mg/L Total Dissolved Solids Concentration or Less (NMAC 2004).

μg/L = microgram per liter

bgs = below-ground surface

CFR = Code of Federal Regulations

EDB = ethylene dibromide (1,2-dibromoethane)

EPA = U.S. Environmental Protection Agency

ft = foot/feet

MCL = maximum contaminant level

MRL = USGS National Water Quality Laboratory Method Reporting Level

MDL = USGS National Water Quality Laboratory Method Detection Limit

NMAC = New Mexico Administrative Code

NMWQCC = New Mexico Water Quality Control Commission

Val Qual = validation qualifier

VOC = volatile organic compound

### Results:

< = less than the limit of quantification (numerical result)

### Qualifiers:

Val Quals based on criteria set by NWQL.

U = A result that is either not detected or below the Method Detection Level.

### References:

New Mexico Administrative Code. 2004. State of New Mexico, Title 20.6.2 Ground and Surface Water Protection.

^b EPA National Primary Drinking Water Regulations, MCLs and Secondary MCLs, Title 40CFR Part 141, 143 (May 2009).

^c The project screening level was selected to satisfy the requirements of the Kirtland AFB Hazardous Waste Permit Number NM9570024423 as the lowest of (1) NMWQCC numeric standard or (2) EPA MCL.

 $^{^{\}rm d}$  1,2-dibromoethane is reported as a MDL based on NELAP certification. The MDL for 1,2-dibromoethane is 0.014  $\mu$ g/L.

## **APPENDIX E-6**

**Explanations from Previous Reports** 

## LIST OF ACRONYMS AND ABBREVIATIONS

% percent

μg/L micrograms per liter

AFB Air Force Base

amsl above mean sea level

BFF Bulk Fuels Facility

BTEX benzene, toluene, ethylbenzene, and total xylenes

DMS dual-membrane sampler

DO dissolved oxygen

EDB ethylene dibromide

GWM groundwater monitoring GWTS groundwater treatment system

mg/L milligrams per liter

PSL project screening limit

Q1 first quarter of the year (January 1 through March 31)
Q2 second quarter of the year (April 1 through June 30)

Q4 fourth quarter of the year (September 1 through December 31)

REI reference elevation interval RPD relative percent different

SE southeast

VA Veteran's Affairs

# 1. EXPLANATION OF REFERENCE ELEVATION INTERVAL DESIGNATIONS

The following text was initially provided in the Fourth Quarter (Q4) 2016 Quarterly and Annual Report (Kirtland Air Force Base [AFB], 2017a):

In previous reports, the distribution of groundwater contamination had been described in terms of shallow, intermediate, and deep intervals within the ethylene dibromide (EDB) plume. These intervals were broadly defined by permeable zones in which EDB migration had been identified, and these intervals have been used to guide the vertical design of monitoring wells. However, with the implementation of the groundwater treatment system (GWTS) interim measure north of Ridgecrest Drive, Southeast (SE), combined with the anticipated continuing water table rebound of approximately 2 feet per year for the next decade, these definitions of shallow, intermediate, and deep become problematic. Not all contamination will move upward with the rising water table; therefore, the base of the deep zone is expected to remain somewhat fixed. In addition, as the water table rises, the plume is expected to increase in thickness over time and impact a shallower layer of the aquifer that is not present today. For these reasons, the continued use of shallow, intermediate, and deep nomenclature will be inadequate to accurately describe changing vertical plume concentrations and changes in the plume related to the GWTS operation.

To assess performance of the GWTS, particularly regarding plume capture and plume collapse, several methods of analysis that compare variations in groundwater flow paths and contaminant concentration trends will be employed both horizontally and vertically. Horizontally, visualizing how concentrations vary in map view, from upgradient to downgradient, around Bullhead Park and the Veteran's Affairs (VA) Medical Center, has not changed as these features are fixed. However, in the vertical dimension, shallow, intermediate, and deep are changing with time and are not fixed. Therefore, to fix these layers to accommodate consistent performance analysis in the vertical dimension, and to provide for future addition of new layers (i.e., a shallower zone) as the water table rises, the concept of reference elevation interval (REI) is introduced in this Report. In concept, what were once the deep, intermediate, or shallow zones will now be represented as layers in cake (e.g., with a bottom elevation and a top elevation). Because of the nature of the permeable zones, the bottom and top undulate somewhat rather than being perfectly flat; however, the plume can still be visualized in terms of these layers. As the water table rises, layers can be added to the top. Because these fixed layers are defined, vertical water levels and vertical contaminant concentrations can be compared over time and always to the same references. This will allow meaningful analysis of trends that demonstrate plume capture and collapse with consistent reference points. The three REIs are 4857, 4838, and 4814, corresponding to the historically identified shallow, intermediate, and deep zones, respectively. Table 3-4 includes the REI assignations for the groundwater monitoring (GWM) network.

The association of the former groundwater zones and REIs relative to the depth of well screen intervals within the GWM network is summarized below:

• *REI 4857* is currently the uppermost interval so named because the GWM wells comprising this dataset are screened across the elevation of 4,857 feet above mean sea level (amsl). Data collected or measured from these GWM wells are representative of the hydrogeologic conditions of this zone that is bounded on top by the water table surface and bounded on the bottom by a surface that intercepts the bottom of the REI 4857 well screens. The screen elevations for the GWM wells within this dataset range from 4,879 feet amsl down to 4,827 feet amsl, and include all wells formerly categorized as shallow, and two new GWM wells completed in December 2016 (KAFB-106235-463 and KAFB-106236-461). These two new wells were not sampled in Q4

2016. A total of 62 wells comprise this dataset, eight of which are included in both the REI 4857 and REI 4838 datasets: KAFB-106001, KAFB-106015, KAFB-106017, KAFB-106018, KAFB-106019, KAFB-106021, KAFB-106022, and KAFB-106025. The reason for this double assignation is due to well screen construction lengths (25-30 feet) and, thus, overlapping screen intervals in REI 4838 by more than 5 feet. This means that samples collected from these eight wells are representative of REI 4857, and are also representative of at least a third of REI 4838. Of note, a majority of the REI 4857 wells were designed to be water table wells with partially submerged screens, having relatively long screen lengths ranging from 20 to 30 feet. However, due to rising groundwater elevations, only 14 GWM wells included in REI 4857 remained with partially submerged screens as of Q4 2016.

- **REI 4838** directly underlies REI 4857 and is so named because all but one of the screens of the GWM wells comprising this dataset are screened across the elevation of 4,838 feet amsl. Data collected or measured from these GWM wells are representative of the hydrogeologic conditions of this zone that is bounded on top by the bottom surface of REI 4857 and bounded on the bottom by a surface that intercepts the mid-point between the REI 4838 screens and the underlying REI 4814 screens. The screen elevations for the GWM wells within this dataset range from 4,848 feet amsl down to 4,800 feet amsl, and includes all but two of the wells previously categorized as intermediate; the exceptions are GWM wells KAFB-106230 and KAFB-106232, which are now included in the REI 4814 dataset due to the depth of their screens. Eight wells are included in both in REI 4857 and REI 4838 datasets, as discussed above. The REI 4838 GWM well dataset contains one anomalous well assignment (KAFB-106037). This well, having a screened elevation between 4,815 and 4,800 feet amsl, was previously assigned as a deep well. However, it is part of the only clustered well group having four wells (all other have either two or three). Having three REIs meant excluding one well from this system in the capture analyses. KAFB-106037 was chosen over KAFB-106036 because analysis of historical groundwater level measurements from this clustered well group showed that it was in better communication with the nearby interim measure extraction well KAFB-106228. KAFB-106037 was placed in REI 4838 because the deepest well in the clustered well group (KAFB-106212) is screened below extraction well KAFB-106228, which necessitated its inclusion in the underlying REI 4814. A total of 46 GWM wells are included in REI 4838.
- *REI 4814* directly underlies REI 4838 and currently represents the lowest elevation dataset. This dataset includes all but one well (KAFB-106037) previously designated as deep, as well as the two previously designated intermediate wells (KAFB-106230 and KAFB-106232), as described above. The screened intervals for GWM wells within this dataset cover a large vertical extent of the aquifer ranging from an elevation of 4,824 feet amsl down to an elevation of 4,720 feet amsl. Not all of the screened intervals overlap, prohibiting the assignment of a reference elevation common to all wells. There are 16 wells with screen elevations ranging from 4,824 to 4,798 feet amsl, while 20 well screens fall within the 4,781- TO 4,753 feet amsl range, and three well screens from 4,740- to 4,720 feet amsl. A reference elevation of 4,814 feet amsl was chosen as an identifier for this interval because it passes through the screens of the uppermost group of wells in the dataset allowing for the addition of a deeper REI if required in the future. Data collected or measured from these GWM wells are representative of the hydrogeologic conditions of this zone that is bounded on top by the bottom surface of REI 4838 and bounded on the bottom by a surface that intercepts the bottom of the REI 4814 well screens. There are 39 GWM wells installed in REI 4814.

# 2. DISCUSSION OF FIELD PARAMETERS FROM PASSIVE SAMPLING

## 2.1 Comparison of field parameters between passive and low-flow sampling

The following text was initially provided in the Second Quarter (Q2) 2017 Quarterly Report (Kirtland AFB, 2017b):

Upon initiating the Q2 2017 passive sampling, field parameter measurements were notably skewed from historical measurements. Following the collection of field parameters from 13 GWM well locations with passive samplers, it was apparent that field parameter data collected from the passive samplers were not representative of the groundwater conditions due to the pore diameter of the passive sampling membranes, and continued collection of field parameters from passive samplers was terminated pending discussion with the New Mexico Environment Department. Therefore, field parameters were only collected from wells that utilized low-flow sampling techniques (all located south of Gibson Boulevard SE).

## 2.2 Passive Sampler Evaluation

The following text was initially provided in the Q4 2017 Quarterly and Annual Report (Kirtland AFB, 2018a):

A demonstration was performed in Q4 2017 to assess a proposed transition from collecting grab samples using a low-flow methodology (Bennett pump sampling systems) to a passive sampling technique (i.e., dual-membrane sampler [DMS]). This demonstration consisted of comparing low-flow sample analytical results and passive sample analytical results for EDB; benzene, toluene, ethylbenzene, and total xylenes (BTEX); and inorganic compounds from groundwater samples collected from five source area wells (Figure E-7-1). The results are reported in Table 3-14, and shown on Figure 3-23.

In addition, field parameters were compared between the low-flow purge water using a YSI Pro Plus multiparameter probe with a flow-through cell, and measurements taken *in situ* within the well using an Aqua TROLL® 600 multiparameter sonde deployed within the well screen depth (Table 3-15). If passive sampling is approved for source area wells, reliable field parameter measurements will not be achieved from the DMSs and, therefore, an *in situ* method may be proposed if continued field parameter collection is necessary.

The analytical results from this demonstration are summarized below. In accordance with the work plan (Kirtland AFB, 2017c), the low-flow sample data are used for reporting purposes. The sample results from the DMSs are only used for demonstration purposes, and a relative percent difference (RPD) was calculated for each analyte within each sample (Table 3-14). The approved Quality Assurance Project Plan acceptable RPD for duplicate groundwater samples is 35 percent (%) for analytical results and was, therefore, used herein to determine a comparable threshold value. The RPD acceptance threshold of 35% is relevant when comparing two samples utilizing the same sampling methodology. A comparison of results collected via two different sampling methods, one discrete (DMS) and one indiscrete (Bennett Pump), may result in widely varying RPDs. The 35% threshold has been selected to illustrate that the two methods provide results that are comparable to two samples obtained using the same sampling methodology. Analytical results and RPDs are summarized below:

• EDB was detected in all groundwater samples collected using both low-flow and passive technologies. The RPD for EDB from samples collected from KAFB-106005 was 10%. The EDB

concentrations from the other four wells in the demonstration ranged from 0.85 to 5.9 micrograms per liter (µg/L), with RPDs ranging from 48 to 175%; above the acceptable 35% RPD.

- Benzene was detected in all groundwater samples (at concentrations above the project screening limit [PSL] of 5 μg/L) using both low-flow and passive technologies. The RPD for the benzene results was 0% for KAFB-106008 (both methods had a benzene concentration of 2,300 μg/L) and the RPD was relatively low for two other wells (KAFB-106005 and KAFB-106006) at 26 and 31%, respectively. The RPD for benzene from groundwater samples collected from KAFB-106014 and KAFB-106059 was 64 and 121%, respectively; above the acceptable 35% RPD.
- Toluene was detected or estimated in all groundwater samples collected using both low-flow and passive technologies. The RPD for toluene ranged from 16 to 195%, and was below the acceptable 35% RPD in two wells (KAFB-106005 and KAFB-106008).
- Ethylbenzene was detected in all groundwater samples collected using both low-flow and passive technologies. The RPD for ethylbenzene was 0% in KAFB-106006 (both methods had an ethylbenzene concentration of 3  $\mu$ g/L) and the RPD was relatively low for KAFB-106005 (19%). The ethylbenzene concentrations from the other three wells in the demonstration ranged from 45 to 470  $\mu$ g/L, with RPDs ranging from 39 to 164%; above the acceptable 35% RPD.
- Total xylenes were detected all groundwater samples collected using both low-flow and passive technologies, with the exception of the DMS sample from KAFB-106006, precluding the ability to calculate an RPD from that well. The RPD for total xylenes was 17% from KAFB-106005, within the 35% RPD. The RPD was above 35% in the remaining wells (KAFB-106008, KAFB-106014, and KAFB-106059).

It should be noted that while some RPD values for EDB and benzene exceeded the 35% threshold, no significant differences in analyte concentrations were observed between either sampling method or the respective analyte PSL. Both methods yielded comparable results that were either both below or above the PSL. The only exception to this was the EDB results from well KAFB-106006. At this well, the low-flow sampling method resulted in an estimated value below the PSL  $(0.014 \,\mu\text{g/L})$  while the passive sampling method resulted in a value above the PSL  $(0.21 \,\mu\text{g/L})$ . When comparing plume maps utilizing either the passive sampling data or the low-flow sampling data, only minimal shifts of some internal isocontours occur between the two sample types (Figure 3-23); however, the overall contoured boundary (specified as the PSL concentration) generally remained unchanged.

- Inorganic concentrations observed in the groundwater samples collected using the two methods were generally in agreement, with only a few samples that exceeded the 35% RPD, as follows:
  - Dissolved manganese in KAFB-106005 (40% RPD) and KAFB-106014 (46% RPD)
  - Nitrate/nitrite nitrogen in KAFB-106005 (156% RPD) and KAFB-106006 (40% RPD)
  - Dissolved iron in KAFB-106006 (44% RPD)
  - Chloride in KAFB-106014 (80% RPD).

The results from the field parameter demonstration are summarized below. In accordance with the work plan (Kirtland AFB, 2017c), the low-flow purge water data are used for reporting purposes as measured using the YSI Pro Plus. The field parameters from the Aqua TROLL® 600 multiparameter sonde are used

for demonstration purposes only, and an RPD was calculated for each parameter within each well (Table 3-15). An RPD of 50% was deemed acceptable for the field parameters, and is conservative given the variability and relatively low concentrations of dissolved oxygen (DO) and turbidity. In accordance with the work plan (Kirtland AFB, 2017c), field parameters were collected until stabilization of three consecutive readings within 10% of one another was achieved, or a maximum of 1 hour. The final, stabilized field parameters measurements are used for reporting and demonstration purposes.

- Turbidity had relatively high RPDs, with the exception of KAFB-106014 at 20%; the remaining four wells had an RPD for turbidity ranging from 60 to 198%.
- Temperature was consistent between the two methods, with a maximum RPD of 12% (KAFB-106008).
- DO had relatively high RPDs in three wells (KAFB-106005, KAFB-106006, and KAFB-106008). DO had relatively low RPDs in KAFB-106014 (46%) and KAFB-106059 (28%). Although DO had relatively high RPDs in three of the demonstration wells, the results were all <1 milligrams per liter (mg/L), with the exception of the low-flow result from KAFB-106006 (2.94 mg/L).
- Specific conductivity was consistent between the two methods, with a maximum RPD of 43% (KAFB-106005).
- pH was consistent between the two methods, with a maximum RPD of 7% (KAFB-106059).
- Oxidation-reduction potential had relatively high RPDs in wells KAFB-106005 and KAFB-106059 at 55 and 54%, respectively. The other wells demonstrated relatively low RPDs for oxidation reduction potential, ranging from 5 to 29%.

These results indicate that passive sampling techniques (i.e., DMSs) generally provide results that are comparable to low-flow techniques for inorganic parameters. For volatile parameters, including EDB and BTEX, the results indicate good agreement between the two methods for relatively lower concentrations (e.g., KAFB-106005 and KAFB-106006); however, the higher concentrations of EDB and BTEX did not provide as comparable results between the two methods (e.g., KAFB-106008, KAFB-106014, and KAFB-106059). Plume delineation in the source area at the PSL for both EDB and benzene was comparable between both methods. Significant differences in concentration contours were only observed at concentrations exceeding the PSL by approximately three orders of magnitude (Figure 3-23). The only exception to the plume boundary was for the EDB PSL contour extending further south around KAFB-106006 due to the higher passive sampler concentration.

Previous demonstrations have shown generally comparable results between the two methods, with no consistent bias identified (i.e., neither method has consistently resulted in higher or lower concentrations). Furthermore, vertical profiles were evaluated in Q4 2016 and first quarter (Q1) 2017 (Kirtland AFB, 2017d) that demonstrated most source area wells that were evaluated did not have significant vertical gradients and, therefore, matching the passive sample depths to the low-flow sample depth, as was done for this demonstration, should not result in a significant sample bias. The two field parameter methods (low-flow purge water versus *in situ* measurements) resulted in agreement between the methods, with turbidity being the parameter with the greatest discrepancies. Temperature, pH, and specific conductivity all revealed consistent measurements between the two methods. Although DO resulted in RPDs greater than 50% in three wells, all results were <1 mg/L, with the exception of the low-flow result from KAFB-106006 (2.94 mg/L).

## 3. REGIONAL GROUNDWATER GRADIENT

The following text was initially provided in the Q2 2018 Quarterly Report (Kirtland AFB, 2018b):

The GWM well network for the Kirtland AFB Bulk Fuels Facility (BFF) jet fuel dissolved-phase contamination is screened near the top of the saturated interval of the Santa Fe Group aguifer system. Historically, this aguifer system was the sole water supply for the Albuquerque metropolitan area and the groundwater flow was from north-northeast to south-southwest toward the Rio Grande (Bexfield and Anderholm, 2000). As the population increased, water demand also increased and the Santa Fe aquifer system experienced significant stress resulting in water level declines in excess of 100 feet near Kirtland AFB (Powell and McKean, 2014). Furthermore, the groundwater flow changed direction from southsouthwest (toward the Rio Grande) to an easterly and northeasterly direction, away from the Rio Grande and toward the city and its drinking water supply wells (Powell and McKean, 2014). It is important to note the predominant groundwater flow direction, which the dissolved-phase constituents migrated along, was north-northeast. To reduce the use of groundwater while maintaining municipal water supply, in 2008, the Albuquerque Bernalillo County Water Utility Authority began diverting water from the San Juan-Chama Drinking Water Project. As a result, this surface water diversion has relieved the pumping stress of the Santa Fe aquifer system and groundwater levels have been rebounding approximately 3-4 ft per year, with rates varying depending upon the proximity to pumping wellfields or historical groundwater sinks (Beman, 2013). A more detailed discussion of the conceptual site model can be found in Section 7 of the RFI Report (Kirtland AFB, 2018c).

## 4. DESCRIPTION OF FORMER WELL DESIGNATIONS AND ASSOCIATED SAMPLING REGIMES

The following text was initially provided in the Q4 2018 Quarterly and Annual Report (Kirtland AFB, 2019):

In previous reports, GWM wells were assigned designations based either on their location related to the groundwater gradient and their spatial relationship to the dissolved-phase EDB or simply on their location (i.e., source area, etc.). However, due to the changing regional groundwater gradient (Section 3), these designations may no longer be appropriate or meaningful. In order to present analytical data and data summaries conveniently at the project scale, all GWM wells will hereafter be designated simply as "groundwater monitoring well," except for newly added wells (which includes any newly installed wells), and the presentation of analytical data will be centered on analytes as opposed to former well designation. The former well designations and monitoring well objective are provided in Table 3-1 along with the current sampling regime by quarter. A brief description of the former well designations and the frequency of samples collected by designation is provided below.

**Newly Added Wells**—Newly added wells include both existing wells that are added to the GWM network as well as newly installed wells that have not completed four quarters of baseline sampling. Newly added GWM wells require a minimum of four consecutive quarters of baseline full-suite analytical sampling before receiving a designation that determines the long-term sampling regime. These wells have been added to define the plume boundary and provide additional water table monitoring due to the rising groundwater elevation.

Source Area Wells—Primarily located in the BFF south of Randolph Road SE and proximal to the spill site on-Base. Sampled during Q2 and Q4. These wells monitor the higher concentrations of dissolved-phase contaminants on-Base.

**Downgradient Proximal Wells**—Located north of Ridgecrest Drive SE surrounding the historical low concentration dissolved-phase EDB to the west, north, and east into the distal portion of the GWM network. Analytical data for these wells have been historically below the maximum contaminant level for EDB. Sampled every quarter. These wells assist in plume boundary definition.

**Veterans Affairs (VA) Proximal Wells**—Three sets of nested wells located between the historical dissolved-phase EDB south of Ridgecrest Drive SE and the Raymond G. Murphy VA Medical Center as a means to detect any potential contaminant migration toward the VA medical campus. Sampled every quarter. These wells provide additional wellhead protection monitoring for the VA supply well.

*Signal Wells*—Three wells located along the south side of Ridgecrest Drive SE to monitor BTEX and provide early indication if theses dissolved-phase constituents are migrating from the source area into the interim measure Target Capture Zone. Sampled during Q2 and Q4.

**GWM Wells**—Primarily located north of Ridgecrest Drive SE within the historical footprint of the dissolved-phase EDB. Analytical data from these wells serve to define the volume and mass of the dissolved-phase EDB throughout the GWM network. Sampled in Q2 and Q4.

## 5. EDB CAPTURE EVALUATION METHODOLOGIES

## 5.1 Capture Evaluation Methodologies from the Q4 2016 Quarterly and Annual Report

The following text was initially provided in the Q4 2016 Quarterly and Annual Report (Kirtland AFB, 2017a):

## **5.1.1** Horizontal Capture Analysis

The horizontal capture analysis for the interim measure objective area north of Ridgecrest Drive SE for both Q2 and Q4 2016 is summarized in Table 5-8. An entire plume horizontal capture summary is provided in Appendix I (Table I-6-1). The capture zone analyses were conducted using groundwater head and EDB concentration data sets collected in 2016. The three synoptic groundwater head measuring events were from March 26 to 30 (Q2), from July 11 to 14 (Q3), and from October 3 to 6 (Q4 2016). EDB samples were collected from 132 wells in Q2 2016 and 138 wells in Q4 2016. Comprehensive EDB analysis was not performed during Q1 and Q3 2016 because only a subset of the GWM network is sampled in Q1 and Q3 as compared to the entire network in Q2 and Q4; therefore, the capture zone analyses were focused solely on Q2 and Q4 2016. Additionally, development water samples from the six newly installed wells (December 2016) showed EDB concentrations below the laboratory detection limit (Appendix B-1 includes analytical data). In order to have comparable EDB concentration datasets for plume iso-shell modeling, six nondetect data points were placed at the location of the six new wells within the Q2 dataset.

The first step in the horizontal capture analysis was to use ArcGIS Spatial Analyst to develop potentiometric surface maps for REIs 4857, 4838, and 4814 described previously in this report. The 4857 and 4838 REIs contain some portion of the plume iso-shell and, therefore, were used to analyze horizontal capture. The lowest REI (4814) does not incorporate any of the plume volume and, therefore, was not used for horizontal capture analysis. The natural neighbor technique was used to develop raster surfaces from assigned cell sizes of 20-feet that ensured each data point was represented by a unique raster cell during interpolation. Once the potentiometric raster surfaces were developed, spatial analyst was used to contour the head values at 0.1-foot iso-line intervals.

Each potentiometric surface included an estimated head value for active extraction wells. Using heads measured at extraction wells for constructing potentiometric surface maps can bias the interpretation of capture, since the heads at the extraction wells may be much lower than heads in the aquifer just outside the well bore. It can be equally problematic if no head value is assigned to the extraction wells. The measured drawdown in the active extraction wells ranged from 7- to 15-feet. To reduce bias, the assigned head in the extraction wells was estimated by multiple two-point regression analyses using wells adjacent to the extraction well. This resulted in an assigned head 0.1-foot lower than the lowest head in monitoring wells adjacent to extraction wells KAFB-106238 and KAFB-106234 when active. The lower head estimate for extraction well KAFB-106234 is due to the closest adjacent monitoring wellbeing located approximately 225-feet away while the closest adjacent monitoring wells to KAFB-106228 and KAFB-106233 were located less than 35-feet away. The estimated head was assumed to be uniform with depth through both REIs.

The hydraulic divides for each extraction well in each REI were developed in two steps using ArcGIS Spatial Analyst. First, a raster of flow direction from each cell in the potentiometric surface raster to its steepest downslope neighbor was created using the Flow Direction tool. Second, a raster delineating all drainage basins within the potentiometric surface was created using the Basin tool. The basin raster was converted into polygons, which could then be used for display of the capture zone boundaries and to crop segments of the plume volume for further analysis. Streamlines (particle tracks) showing the direction of flow along the potentiometric surface for each REI were developed using C-Tech MVS software. Each potentiometric raster surface was imported and converted into a gradient vector grid. Points assigned at the three-dimensional location of each screened interval in the dataset were assigned as seed points from which downgradient streamlines were created.

The capture analysis of the EDB plume for each interval was performed entirely in MVS using the exports from the processes described above. First, the EDB plume was cropped on top and bottom by the elevation grids that defined the aquifer extent represented by the interval dataset. Second, the remaining plume volume was segmented using the capture zone (basin) polygons for each extraction well. Lastly, the cropped and segmented plume volume was split by a line representing the location of Ridgecrest Drive SE so that plume volume and mass capture analyses could be performed for the portion of the plume within the interim measure objective area. All plume volume segments were then exported as polygon shapefiles for figure display.

Figure 5-3 shows the horizontal capture of the portion of the EDB plume within REI 4857 during Q2 2016. Plume capture is divided between the three active extraction wells (KAFB-106228, KAFB-106233, and KAFB-106234). With respect to the entire plume volume in REI 4857, the interim measure resulted in the horizontal capture of 69% of the plume volume and 29% of the plume mass. The discrepancy between plume volume and mass is due to the source area and, thus, the bulk of the EDB mass being located south of the extraction well capture zones. With respect to the objective area north of Ridgecrest Drive SE, the interim measure resulted in the horizontal capture of 99.3% of the plume volume and 99.7% of the plume mass (Table 5-8). A small portion of the plume was lost from capture due to flow to an unidentified sink defined by KAFB-106106 located in the northwestern portion of the plume, near Ross Avenue.

Figure 5-4 shows the horizontal capture of the portion of the EDB plume within REI 4838 during Q2 2016. With respect to the entire plume volume in REI 4838, the interim measure resulted in the horizontal capture of 42% of the plume volume and 12% of the plume mass. With respect to capture in the objective area, the interim measure resulted in the horizontal capture of 79% of the plume volume and 80% of the plume mass. A portion of the plume was lost from capture due to flow to an unidentified sink defined by KAFB-106089 located south of extraction well KAFB-106228. Additional capture loss is due to inadequate coverage by the dataset for this quarter as confirmed capture could not be established northwest of extraction well KAFB-106234. Inferred capture volume and mass are not included in the capture statistics (i.e., the percentages of plume capture would increase if the inferred capture was added).

Combining the two capture analyses of the entire plume volume and mass discussed above, the interim measure resulted in the horizontal capture of 59% of the plume volume and 25% of the plume mass. With respect to the objective area, the interim measure resulted in the horizontal capture of 92% of the plume volume and 93% of the plume mass in Q2 2016.

Figure 5-5 shows the horizontal capture of the portion of the EDB plume within REI 4857 during Q4 2016. Plume capture was divided between the two active extraction wells (KAFB-106228 and KAFB-106234) (NOTE: Extraction well KAFB-106233 was not operated from June 10 to December 31 due to biofouling issues). With respect to the entire plume volume, the interim measure resulted in the horizontal capture of 66% of the plume volume and 11% of the plume mass. With respect to the objective area north

of Ridgecrest Drive SE, the interim measure resulted in the horizontal capture of 99% of the plume volume and 99.5% of the plume mass (Table 5-8). A small portion of the plume was lost from capture due to flow to an unidentified sink defined by KAFB-106235-463 located west of KAFB-106234.

Figure 5-6 shows the horizontal capture of the portion of the EDB plume within REI 4838 during Q4 2016 (NOTE: Extraction well KAFB-106233 was not operated from June 10 to December 31 due to biofouling issues). With respect to the entire plume volume, the interim measure resulted in the horizontal capture of 84% of the plume volume and 52% of the plume mass. With respect to capture in the objective area, the interim measure resulted in the horizontal capture of 95% of the plume volume and 97% of the plume mass. A portion of the plume was lost from capture due to flow to an unidentified sink defined by KAFB-106220 located southeast of extraction well KAFB-106234. The capture analysis method suggested the existence of a closed depression defined by KAFB-106089 located north of Ridgecrest Drive SE in the north-central portion of the EDB plume, which would have reduced the capture statistics. However, an analysis of the head in KAFB-106089 and the heads in the surrounding wells, including KAFB-106037 less than 35-feet from extraction well KAFB-106228, showed no data support for this interpretation (see Section 5.3.4 for more details) as the head in KAFB-106037 was 0.1-foot lower than in KAFB-106089.

Combining the two capture analyses for the entire plume as discussed above, the interim measure resulted in the horizontal capture of 73% of the plume volume and 19% of the plume mass. With respect to the objective area, the interim measure resulted in the horizontal capture of 97% of the plume volume and 99% of the plume mass in Q4 2016.

## 5.1.2 Vertical Capture Analysis

The vertical capture analysis for the interim measure objective area north of Ridgecrest Drive SE for both Q2 and Q4 2016 is summarized in Table 5-9. An entire plume vertical capture summary is provided in Appendix I-6 (Table I-6-2). A vertical capture analysis evaluates groundwater levels between adjacent hydrologic units to determine zones of upward versus downward flow. Capture is defined by zones with upward flow that prevents dissolved contaminants from being transported by advection deeper into the aquifer. Vertical flow direction can be evaluated by subtracting the groundwater head measured in an adjacent lower hydrologic unit from the groundwater head measured in the overlying unit. A head difference of less than zero indicates that the head in the lower unit is greater than the head in the upper unit and, therefore, water will flow vertically upward.

As described in Section 5.3.2, potentiometric surface grids were developed for three vertically adjacent REIs covering the zones containing EDB concentrations above 0.05 µg/L. Vertical capture was evaluated in two hydrologic units using grid subtraction. Vertical flow directions across the upper unit, defined on top by the elevation of the water table and bounded on the bottom by an elevation plain that passes through the mid-point of all of the REI 4838 screened intervals, were defined by subtracting the REI 4838 potentiometric surface grid from the REI 4857 potentiometric surface grid. Vertical flow directions across the lower unit, defined on top by the REI 4838 mid-point elevation plain and bounded on the bottom by an elevation plain connecting the bottom of all of the REI 4814 screened intervals, were defined by subtracting the REI 4814 potentiometric surface grid from the REI 4838 potentiometric surface grid. Vertical capture zones, defined by regions in each elevation interval by head difference with negative difference values, were converted to polygons for use in plume capture analysis. Grid subtractions and conversions were performed using ArcGIS Spatial Analyst.

Vertical plume capture analysis was performed by first defining the plume volume in the upper (above REI 4838 mid-point) and lower (below REI 4838 mid-point) units. The entire plume volume delineated

for both Q2 and Q4 2016 was sliced along the REI 4838 screened interval mid-point elevation plain. The portion of the plume above the slice represented the upper unit plume volume. The portion of the plume below the slice represented the lower unit plume volume.

The upper plume volume has two opportunities to be captured vertically. Initially, this plume volume can be captured by upward flow between REI 4838 and REI 4857. Portions of the plume not captured in this interval have the potential to move downward into the lower unit. Once in the lower unit, these portions can be captured by vertical upward flow between REI 4814 and REI 4838. The lower plume volume can only be captured by vertical upward flow between REI 4814 and REI 4838. Once the unit plume volumes have been delineated, they are segmented by the capture polygons developed from the head difference grids volume and mass capture analysis.

Figures 5-7 and 5-8 show the results of the vertical capture analysis for the upper (above REI 4838 midpoint) unit plume volume in Q2 2016. Figure 5-7 shows the portion of plume captured by upward vertical flow between REI 4838 and REI 4857. With respect to the entire plume, 43% of the plume volume and 20% of the plume mass were vertically captured in this unit. With respect to the plume within the interim measure objective area north of Ridgecrest Drive SE, 49% of the plume volume and mass was vertically captured in this unit. Figure 5-8 shows the portion of the upper plume vertically captured in both the upper and lower unit. With respect to the entire plume, an additional 38% of the plume volume and an additional 18% of the plume mass were captured by vertical upward flow between REI 4814 and REI 4838. With respect to the interim measure objective area, an additional 43% of the plume volume and an additional 45% of the plume mass were vertically captured in the lower unit. Combining the two analyses, 81% of the plume volume and 38% of the plume mass in the upper unit were vertically captured in Q2 2016. With respect to the interim measure objective area, 92% of the plume volume and 93% of the plume mass in the upper unit were vertically captured for this period.

Figure 5-9 shows the result of the vertical capture analysis for the lower plume volume in Q2 2016. With respect to the entire lower unit, 40% of the plume volume and 24% of the plume mass were vertically captured by upward flow between REI 4838 and REI 4814. With respect to the interim measure objective area, 58% of the plume volume and 56% of the plume mass were vertically captured. In total, 85% of the plume volume and 87% of the plume mass in the interim measure objective area were vertically captured in Q2 2016.

Figures 5-10 and 5-11 show the results of the vertical capture analysis for the upper (above REI 4838 mid-point) unit plume volume in Q4 2016. Figure 5-10 shows the portion of plume captured by upward vertical flow between REI 4838 and REI 4857. With respect to the entire plume, 42% of the plume volume and 7% of the plume mass were vertically captured in this unit. With respect to the plume within the interim measure objective area north of Ridgecrest Drive SE, 55% of the plume volume and mass were vertically captured in this unit. Figure 5-11 shows the portion of the upper plume vertically captured in both the upper and lower unit. With respect to the entire plume, an additional 30% of the plume volume and an additional 55% of the plume mass were captured by vertical upward flow between REI 4814 and REI 4838. With respect to the interim measure objective area, an additional 20% of the plume volume and an additional 16% of the plume mass were vertically captured in the lower unit. Combining the two analyses, 73% of the plume volume and 62% of the plume mass in the upper unit were vertically captured in Q4 2016. With respect to the interim measure objective area, 75% of the plume volume and 72% of the plume mass in the upper unit were vertically captured for this period.

Figure 5-12 shows the result of the vertical capture analysis for the lower (below REI 4838 mid-point) unit plume volume in Q4 2016. With respect to the entire lower unit plume, 41% of the plume volume and 36% of the plume mass were vertically captured by upward flow between REI 4814 and REI 4838. With respect to the interim measure objective area, 49% of the plume volume and 53% of the plume mass

were vertically captured. In total, 68% of the plume volume and 67% of the plume mass in the interim measure objective area were vertically captured in Q4 2016.

## 5.2 Capture Evaluation Methodologies from the Appendix I-7 of the Q2 2018 Quarterly Report

The following text was initially provided in Appendix I-7 of the Q2 2018 Quarterly Report (Kirtland AFB, 2018b):

Model domain capture was analyzed using two sets of 3D particle track exports. The first set was designed to visualize the capture produced by each simulated extraction well across the model domain. The 3D location points were assigned at the top and bottom elevation of each simulated extraction well. Additional location points were assigned at 10-ft intervals along the length of each screen interval. The 10-ft interval was chosen because 10 ft is the shortest screen interval in the monitoring well network and, therefore, represents the default resolution to vertical data. FEFLOW was then instructed to produce 72 "seed" points (particle track start points) around each location point at an assigned radius of 1 m (3.3 ft). FEFLOW uses sets of 24 for radius assignments. It is assumed that water within the 1-m radius flows to the well. Backward 3D particle tracks are then run from all "seed" points and the path lines are exported as 3D lines (geographic information system and 3D points (American Standard Code for Information Interchange). The point export represents the X, Y, and Z location of all vertices along each particle track line. Capture evaluation, using this method, of the seven extraction wells within the model domain produced 6,129 particle track lines. Appendix I-7 – Figure 8 shows a 2D representation of the particle tracks produced from each extraction well.

While the above analysis allows for a visual analysis of model scale capture, it does not allow for quantifying capture produced by each extraction well specific to the dissolved EDB plume volume. Particle tracks run backwards from the wells did not completely represent flow from the water table in the plume area, resulting in large volumes of plume without particle track penetration and therefore without capture indication. As a result, the plume specific capture was analyzed using the following four-step process.

Step 1 was converting the 3D plume grid into 3D "seed" points for particle tracking in FEFLOW. All of the modeled plume cells were exported as geographic information system polygons from the 3D plume model for Q2 2018. Exporting the plume cells from C Tech's Mining Visualization System software results in a set of polygons delineating the external faces of the plume as well as the internal makeup of the plume. Appendix I-7 – Figure 9a shows a 2D representation of the cell export. Each cell is attributed with the X, Y, and Z value for the cell centroid.

Step 2 was the production of particle tracks and extraction well mapping. The centroid data produced in Step 1 was converted into a 3D point file, which was brought into the 2018 Q2 numerical model as observation points. FEFLOW was instructed to use each of these points as "seed" points for forward run particle tracks, 2D representation of the results are shown in Appendix I-7 – Figure 9b. Each particle track was mapped to its discharge point (extraction well) and attributed, respectively.

Step 3 was the mapping of plume capture to the originally exported plume cells. The particle track lines were converted to a point file representing the start and endpoints of each line labeled with the extraction well identification. The start points matched the cell centroid locations and elevations and were used to attribute each plume cell with the extraction well to which the aquifer volume at that location flowed (Appendix I-7 – Figure 9c).

Step 4 was the delineation of extraction well capture polygons for calculation of plume capture volumetrics. Analysis of the extraction well attributed plume cells showed that the capture zones produced by each extraction well were coincident (did not cross) except for the capture boundary between KAFB-106228 and KAFB-106239. There was some overlap of the KAFB-106233 and KAFB-20 cell areas with KAFB-106228 cell areas; however, the centroids did not overlap. Cell areas and centroids between KAFB-106228 and KAFB-106239 did overlap. KAFB-106228 captured the upper part of the plume at or near the water table, while KAFB-106239 captured the deeper portion of the plume. This is likely due to KAFB-106228 being screened across the water table and KAFB-106239 being screened completely below the water table. The capture boundaries were assigned along neighboring particle track lines for each zone except for between KAFB-106228 and KAFB-106239. Where these two capture zones overlapped, the capture boundary was assigned as the centerline of the overlap area. These capture zones were exported into Mining Visualization System 3D space and used to split the plume volume and develop estimates of plume volume and mass captured by each well. Appendix I-7 – Figure 9d shows a 2D rendering of the final 3D capture zone delineations and the plume area split into these capture zones.

## 5.3 Capture Evaluation Methodologies from the Appendix I-6 of the Q4 2018 Quarterly and Annual Report

The following text was initially provided in Appendix I-6 of the Q4 2018 Quarterly and Annual Report (Kirtland AFB, 2019):

### 5.3.1 Introduction

The purpose of Step 4 of the EPA Systematic Approach for Evaluation of Capture Zones is to perform specific calculations to add additional lines of evidence characterizing the extent of capture (EPA, 2008). This performance assessment incorporates the use of a numerical groundwater flow model to simulate heads resulting from interim measure extraction. The purpose of the model is to define the three-dimensional hydraulic containment produced by interim measure extraction at the point in time when groundwater heads are measured and compare these containment zones to the Target Capture Zone developed for the same time period.

For the second quarter (Q2) 2018 performance assessment of the Kirtland Bulk Fuels Facility interim measure extraction system, EA Engineering, Science, and Technology, Inc., PBC (EA) developed and began use of a numerical flow model to simulate heads and estimate capture for the interim measure extraction wells (Kirtland AFB, 2018b). This was done to satisfy Step 4 of the U.S. Environmental Protection Agency's (EPA's) systematic evaluation of capture zones at pump and treat systems by providing a supporting line of evidence to the measured data-based capture evaluation (Step 3 [EPA, 2008]). This first version of the model incorporated a relatively simple design, assuming flow into and across the model domain could be represented by a uniform gradient and that the aquifer could be represented by the assignment of a homogeneous horizontal hydraulic conductivity (Kh). The model design would remain simple unless comparison of simulated to observed heads suggested the need to add complexity.

While Version 1 of the model met the criteria for calibration, the results showed a continuous region around interim measure extraction well KAFB-106234 where simulated heads were outside of the acceptable error range. Concerns about the assumption of a uniform gradient causing this error were raised during Hydrologic Working Group meetings. The main concern was that the uniform gradient did not adequately represent the hydrologic dynamics along the northern model boundary representing the division between interim measure well stresses and base water supply stresses as well as northern stresses produced by Albuquerque Bernalillo County Water Utility Authority water supply wells. Therefore,

Version 2 of the flow model was developed for use this quarter, using a different method for assigning model boundary conditions to address both the error and stress concerns.

This appendix presents the updated method for assigning model boundary conditions and the recalibration of the flow model using this method. Unless noted as a change in the following sections, model design and calibration follow the same methods described in Appendix I-7 of the Q2 2018 report (Kirtland AFB, 2018b). This appendix is designed to be an update to that modeling report, not a standalone report.

## 5.3.2 Boundary Assignment Revision

The boundary assignment was revised (Version 2) in Q4 2018 to better reflect pumping stresses external to the domain boundary that could not be addressed with Version 1 of the flow model which had a uniform gradient assigned along its boundaries using constant head nodes. Figure I-6-1 shows the interpolated water levels for the fourth quarter (Q4) 2017 and Q4 2018. Instead of uniform flow directions from recharge in the western quadrants toward discharge in the eastern quadrants, the interpolated water table represents recharge from the west/northwest that shifts and splits within the model domain toward discharges to the east and northeast. Easily seen is the representation of Ridgecrest extraction along the northern boundary of the model while still honoring the water level measurements made at Trumbull 1A and the other northern-most U.S. Geological Survey and project monitoring wells.

The method for assigning boundary conditions in Version 2 of the model attempts to give representation to each of these stresses along the model boundary. The primary reason this was not attempted in Version 1 is that there is very little data available from which to delineate these stresses. Drawdowns at the Albuquerque Bernalillo County Water Utility Authority's Ridgecrest wellfield (closest wellfield to the site area) are not monitored and very few off-Base head measurements are made within a 3-mile radius of the plume area. Numerous head measurements are taken at on-Base locations south of the plume area, but they are mostly located in perched and low permeability aquifer regions and are not taken synoptic with interim measure gauging. The closest available regularly taken head measurements in the unconfined aquifer outside of the base are located at three U.S. Geological Survey monitoring wells: Jerry Cline C located approximately 1.8 miles north of the model boundary, Del Sol Divider 3 located approximately 1.8 miles northwest of the model boundary, and Montessa Park B located approximately 2.3 miles southwest of the model boundary. The two northern wells are known to be north of the Ridgecrest wellfield, therefore, necessitating a need to estimate the drawdown associated with Ridgecrest extractions.

A simple linear regression model was used to estimate the water level in the Ridgecrest wellfield produced by extraction. Assuming that the cone of depression around the wellfield is relatively circular, the heads from Del Sol Divider 3 and Trumbull 1A were used to estimate the water levels at Ridgecrest wells 3, 4, and 5. The distances of each of the extraction wells from the two monitoring wells were calculated and the water level at each well was assumed to be along the slope produced between the two monitoring wells. Table I-6-1 lists the measured head for the two monitoring wells, the calculated distance from each well to the extraction wells and the estimated water level for each extraction well. The measurements from the three regional U.S. Geological Survey monitoring wells and from the three estimated Ridgecrest extraction wells were used in conjunction with the project area head measurements to grid the water table within and outside of the model domain. Interpolated water levels along the model boundary were assigned as constant head nodes in the model design, controlling the water level and flux along the boundary and representing external hydrologic conditions in the aquifer for the given measurement quarter.

#### **5.3.3** Model Recalibration

The change in the method used to estimate the boundary conditions of the model domain necessitated a recalibration of the numerical flow model. As with Version 1 of the model representing Q4 2017 conditions under a uniform gradient (Kirtland AFB, 2018b), calibration of this version of the model was performed by changing the assigned horizontal Kh and the vertical anisotropy (VANI). The assumptions of homogeneous Kh and VANI and of zero areal recharge were maintained and the values for Kh and VANI were allowed to range between the minimum and maximum values produced by the 2015 constant rate aquifer test performed using interim measure extraction well KAFB-106228 (Table I-6-2) (Kirtland AFB, 2016).

Version 1 of the model was calibrated to a single boundary condition based on a gradient estimated for Q4 2017 conditions. This updated version (Version 2) was simultaneously calibrated to the Q4 2017 and the Q4 2018 conditions. The calibration criteria were established as:

- 1. A Normalized Root Mean Squared Derivation of less than 10 percent (%) for the entire model domain.
- 2. Simulated head at each of the three interim measure drawdown monitoring well nests (KAFB-106037, KAFB-106092, and KAFB-106203), matching the lowest observed drawdown in the nest to within 10% of the total head drop measured within the model domain. The acceptable error tolerance was +/- 0.34 feet (ft) and +/- 0.46 ft for Q4 2017 and Q4 2018, respectively.

Thirty-six model simulations, containing different Kh/VANI combinations, were run for both the Q4 2017 and Q4 2018 conditions for a total of 72 calibration runs (Table I-6-3). A total of 19 simulations, with Kh ranging from 110 ft/day to 130 ft/day and VANI ranging from 0.005 to 0.05, produced results meeting the calibration criteria. From these, the simulation with a Kh of 120 ft/day and a VANI of 0.01 was chosen as the best-fit model as it produced the lowest combined error at the three drawdown monitoring nests. Figure I-7-2 shows scatterplots of the simulated versus measured heads for both the Q4 2017 and Q4 2018 conditions. Under Q4 2017 conditions, the simulated heads met the calibration criteria at 62 of the 79 calibration locations (78%) producing a Normalized Root Mean Squared Derivation of 9.4%. Under Q4 2018 conditions, the simulated heads met the calibration criteria for 57 of the 78 calibration locations (73%) producing a Normalized Root Mean Squared Derivation of 9.4%.

Figure I-6-3a shows the spatial distribution of simulation head residuals across the model domain for Q4 2017 conditions. Outside of the interim measure objective area, south of Ridgecrest Drive Southeast, the residuals exceeding the calibration criteria are dispersed and surrounded by calibrated regions showing no grouping that may indicate a flaw in the design of the conceptual model. Small, localized regions where calibration cannot be achieved are expected using a homogeneous model to simulated heads in an aquifer known to have thin, discontinuous lenses of high and low permeability material. However, within the objective area, there does seem to be a more continuous region where simulated heads exceed the calibration criteria. This region is located around the northern side of KAFB-106234, extending clockwise from a region of high simulated head at the KAFB-106235 well nest around to a region of low simulated heads at the KAFB-106219 well nest.

Figure I-6-3b shows the spatial distribution of simulation head residuals across the model domain for Q4 2018 conditions. The same general pattern of errors exists under these conditions with a dispersal of calibrated and uncalibrated regions outside of the objective area and a more continuous and expanded region of error around KAFB-106234. Having the same region express above tolerance error under two different conditions suggests an inadequacy in the conceptual model upon which the model is designed. Given the assumptions contained in the model, the most likely conceptual model change to address this region of error would be in the assumption of homogeneous hydraulic conductivity.

In order to test this hypothesis, a grain-size based permeability analysis of the objective area aquifer was performed. In unconsolidated aquifers, permeability is primarily controlled by the d10, or 10% finer grain size. Using bore logs recording visually determined grain sizes, a three-dimensional d10 grain size model was constructed of the objective area. The aquifer was delineated into eight grain size categories: clay, silt, very fine sand, fine sand, medium sand, coarse sand, very coarse sand, and gravel. The d10 model results were analyzed between an elevation of 4,905 and 4,785 ft above mean sea level, the bottom of which represents the lithology reporting depth from the shallowest reference elevation interval (REI) 4814 monitoring well in the objective area. In this region, the model estimates that sand and gravel make up 80% of the aquifer material, very close to the 85% expected from the literature reviews performed for Appendix I-7 of the Q2 2018 report (Kirtland AFB, 2018b). Fine sand was found to be the most dominant grain size at 47%. Clay and silt were distributed as thin discontinuous lenses and very fine sand through medium sand seemed to be well mixed throughout the aquifer volume. The 6% of coarse sand and gravel, however, showed to be primarily grouped into to relatively continuous lenses.

Figure I-6-4 shows the distribution of coarse sand and gravel in the objective area between the elevations of 4,845 and 4,800 ft above mean sea level. In this region, coarse sand and gravel lenses with thicknesses ranging from 5 to greater than 25 ft are intercepted by interim measure extraction wells KAFB-106228, KAFB-106233, and KAFB-106234 and by base water supply well KAFB-003. The extent and elevation of these high permeability lenses seem to be well correlated with most of the calibration errors seen in both the Q4 2017 and Q4 2018 simulations.

Figure I-6-4a shows the Q4 2017 calibration residuals overlain on the coarse sand and gravel lens locations. All of the simulated heads above the acceptable error tolerance (orange and red dots) are located on the high permeability lens connecting to KAFB-106234 extraction at an elevation of 4,825 ft above mean sea level. It is likely that this error is due to the presence of this lens and that if the lens was incorporated into the model design, this high permeability pathway would channel most of the water extracted from KAFB-106234. This would result in reducing the total drawdown currently simulated at KAFB-106234 and directionalizing the drawdown to the west, northwest decreasing simulated heads in monitoring wells intercepting the lens. The high permeability lens connecting KAFB-003 drawdown to the deeper monitoring wells in the KAFB-106207 nest would have the same effect on KAFB-003 drawdown. By reducing drawdown at depth in both of these extraction wells, the below acceptable simulated heads seen at depth between the two extraction wells should increase. Figure I-6-4a also shows the location of vertical gradients observed in nested monitoring wells. The black stars show where relatively low heads exist in either REI 4838 or REI 4814 monitoring wells causing vertical head differences of 0.5 ft or greater. All of these wells are located on high permeability lenses connecting to either KAFB-106228 or KAFB-106233. It is likely that the addition of these pathways to the numerical model design would allow the model to be calibrated to represent these vertical gradients.

Figure I-6-4b shows the same type of comparison, overlaying Q4 2018 calibration residuals on the high permeability pathways. The distribution of errors is similar suggesting that addition of the high permeability pathways into the numerical model would improve calibration by reducing drawdown at KAFB-106234 and KAFB-003 thereby increasing simulated heads between the extraction wells, directionalizing drawdown along the pathways thereby reducing simulated head at the KAFB-106235 monitoring well nest, and directionalizing drawdown from KAFB-106228 such that simulated heads are reduced in the REI 4838 wells at the KAFb-106088, KAFB-106023, and KAFB-106216 nest allowing simulation of observed vertical gradients.

## 6. TARGET CAPTURE ZONE DELINEATION METHOD

The following text was initially provided in Appendix I-7 of the Q4 2016 Quarterly and Annual Report (Kirtland AFB, 2017a):

The interim measure goal is to reduce the mobility and volume of contaminated media by containing, capturing, and treating contaminated groundwater in the plume north of Ridgecrest Drive SE. The three-dimensional zone of groundwater that must be captured by the interim measure extraction wells (i.e., the Target Capture Zone) is defined as the  $0.05~\mu g/L$  iso-shell for EDB. The iso-shell is defined as the three-dimensional polygon with a periphery concentration of  $0.05~\mu g/L$ . Water chemistry samples from vertically nested wells have shown that EDB in concentrations above the detection limit does not extend throughout the entire thickness of the impacted portion of the aquifer; therefore, a three-dimensional delineation of the Target Capture Zone is required.

Three-dimensional delineation of the Target Capture Zone was performed using C-Tech Mining Visualization System (MVS) software. EDB concentrations from 136 screen intervals were modeled using the Krig_3D module, which created a hexahedral finite-element grid with kriged nodal values of the EDB dissolved concentrations. The horizontal concentration grid had 69 grid nodes in the X direction and 87 grid nodes in the Y direction that establish a grid spacing of approximately 100-feet in both directions. The vertical concentration grid consisted of 36 nodes spaced approximately 5-feet apart. The X and Y grid spacing ensured that each measured concentration value had a unique grid node location as the minimum distance between screened intervals with similar elevations is 134.5-feet (e.g., wells KAFB-106083 and KAFB-106018). The grid spacing in the Z direction best articulated the open interval of each well screen. Vertical screened intervals ranged from 10- to 30-feet; thus, the 5-foot grid spacing allows the model to represent the top and bottom of each interval.

The other key parameter setting for the Krig_3D module is the Horizontal/Vertical (H/V) Anisotropy Ratio. This parameter allows the model to consider the effects of anisotropy in the hydraulic conductivity of soil matrices. In most cases, geologic materials are deposited with platy clay minerals oriented horizontally and, thus, flow of water in both the saturated and unsaturated zone can be slower in the vertical direction than in the horizontal direction. Chemical constituents being transported with flowing fluids may, therefore, show a larger degree of spreading in one versus the other direction. The H/V Anisotropy Ratio tells the kriging algorithm what multiplication factor should be used to weight data points located in horizontal and vertical directions away from a given model node. The conceptual model of the aquifer, based on AECOM produced stratigraphic cross sections (AECOM, 2016), represents the aquifer as being predominantly composed of fine- to coarse-grained sands with clay, silt and gravel lenses of varying extent. An H/V Anisotropy Ratio of 30 was used to represent preferential horizontal flow through coarse grain materials.

EDB concentrations were assigned along the entire screen interval for each well sampled. If the screen interval was completely submerged within the saturation zone, the measured concentration was assigned elevations representative of the top, bottom, and 5-foot intervals along the screen length. If the screen interval extended above the saturation zone, the measured concentration was assigned at the water table elevation instead of the top of screen elevation. The lowest reported concentration above detection that was included in the model was  $0.011~\mu g/L$ . Therefore, a detection limit of  $0.01~\mu g/L$  was assumed and nondetect samples were assigned a concentration of one-half of that value ( $0.005~\mu g/L$ ) because the EDB detection limit was not consistent between all measurements.

Figure 5-2 shows the modeled Target Capture Zone from the last four synoptic measuring periods for EDB concentration. The plume volume defined by the  $0.05~\mu g/L$  iso-shell changes between measuring periods as a result of the rising regional water table and interim measure extraction activity. The actual volumetric change is not presented or evaluated in Figure 5-2; it is only provided for graphical visualization. The Target Capture Zone is considered to be dynamic and will continue to be re-modeled with each subsequent measurement period to evaluate performance. Appendix I, Figure I-6-1 shows these four Target Capture Zones in relation to monitoring well screen intervals for graphical analysis of the dataset available for the production of the plume iso-shell.

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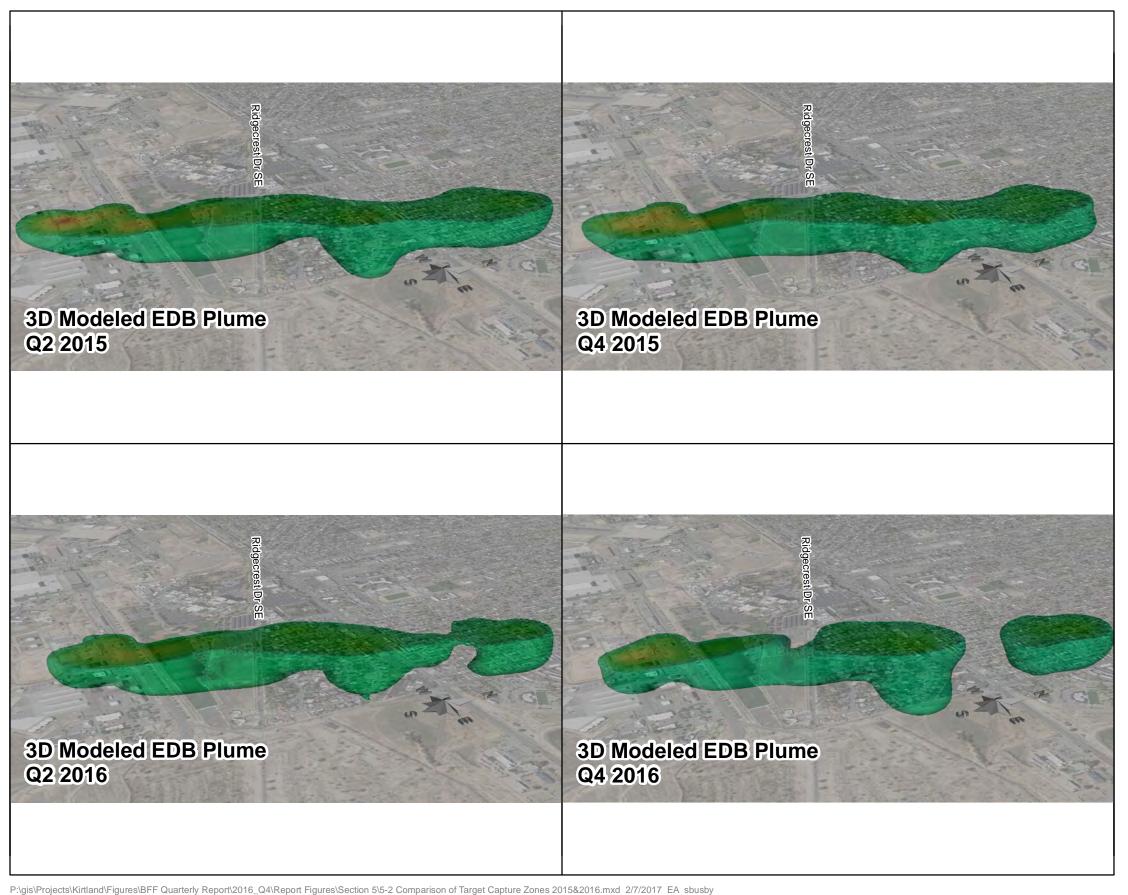
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- Q4 2016 Figure 5-11 Vertical Capture Above Reference Elevation Interval 4838 Mid Point Lower Analysis Q4 2016
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   2016
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- Q2 2018 Figure I-7-9 Model Design Method Steps
- Q4 2018 Figure I-6-1 Regional Water Level Q4 2017 and Q4 2018
- Q4 2018 Figure I-6-2 Q4 2017 and Q4 2018 Numerical Model Calibration Results Simulated vs Measured Groundwater Levels
- Q4 2018 Figure I-6-3 Spatial Distribution of Simulated vs Measured Residuals Q4 2017 and Q4 2018
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   Q4 2017 and Q4 2018



# Legend



0.05 µg/L EDB Iso-shell



Notes:
Aerial Imagery from 11/1/2015 : Google Earth Pro, 2016
EDB plume model generated with C-Tech MVS
Premier Version 9.94.
3D models exaggerated by a factor of 10.
EDB = ethylene dibromide

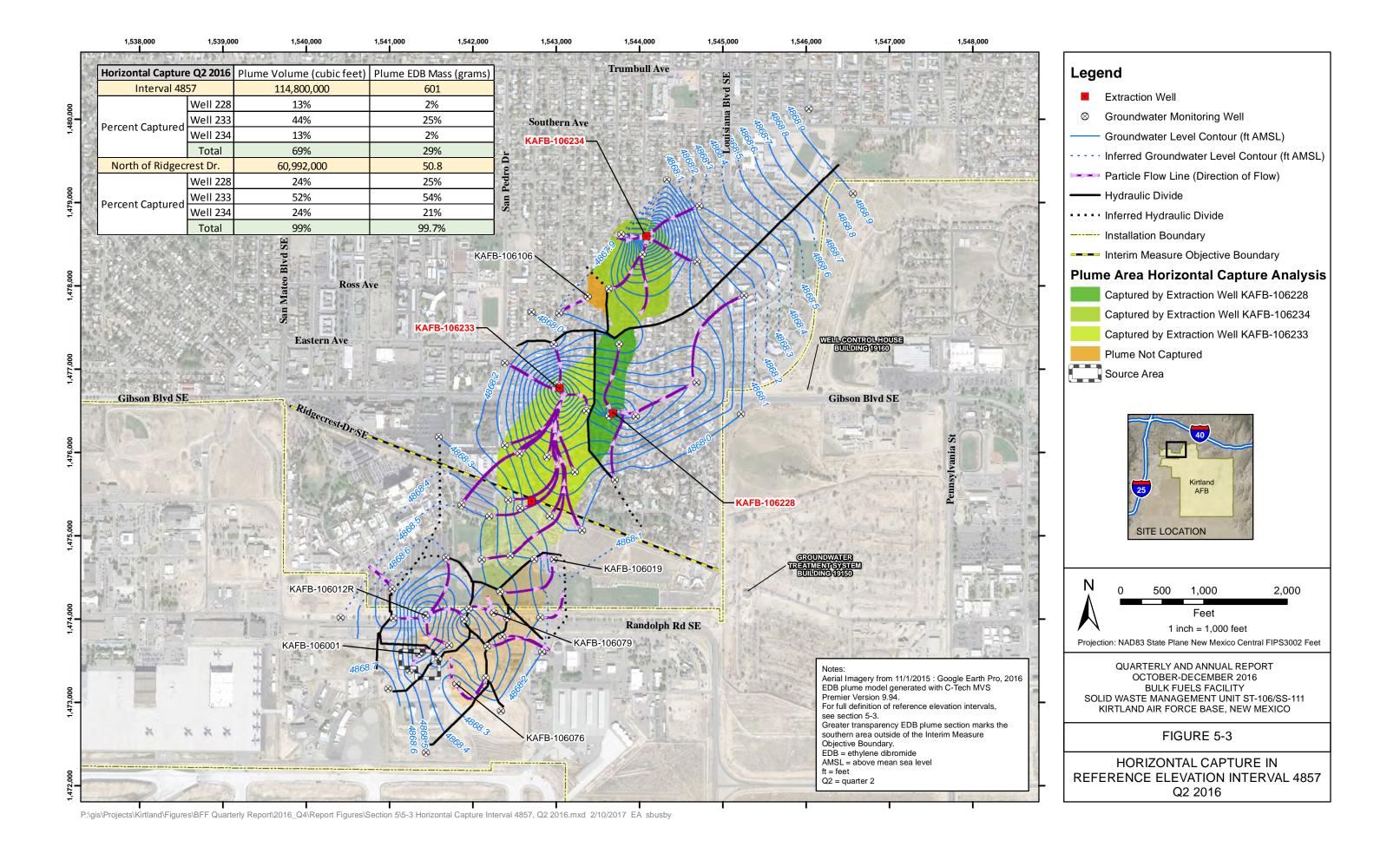
µg/L = microgram(s) per liter

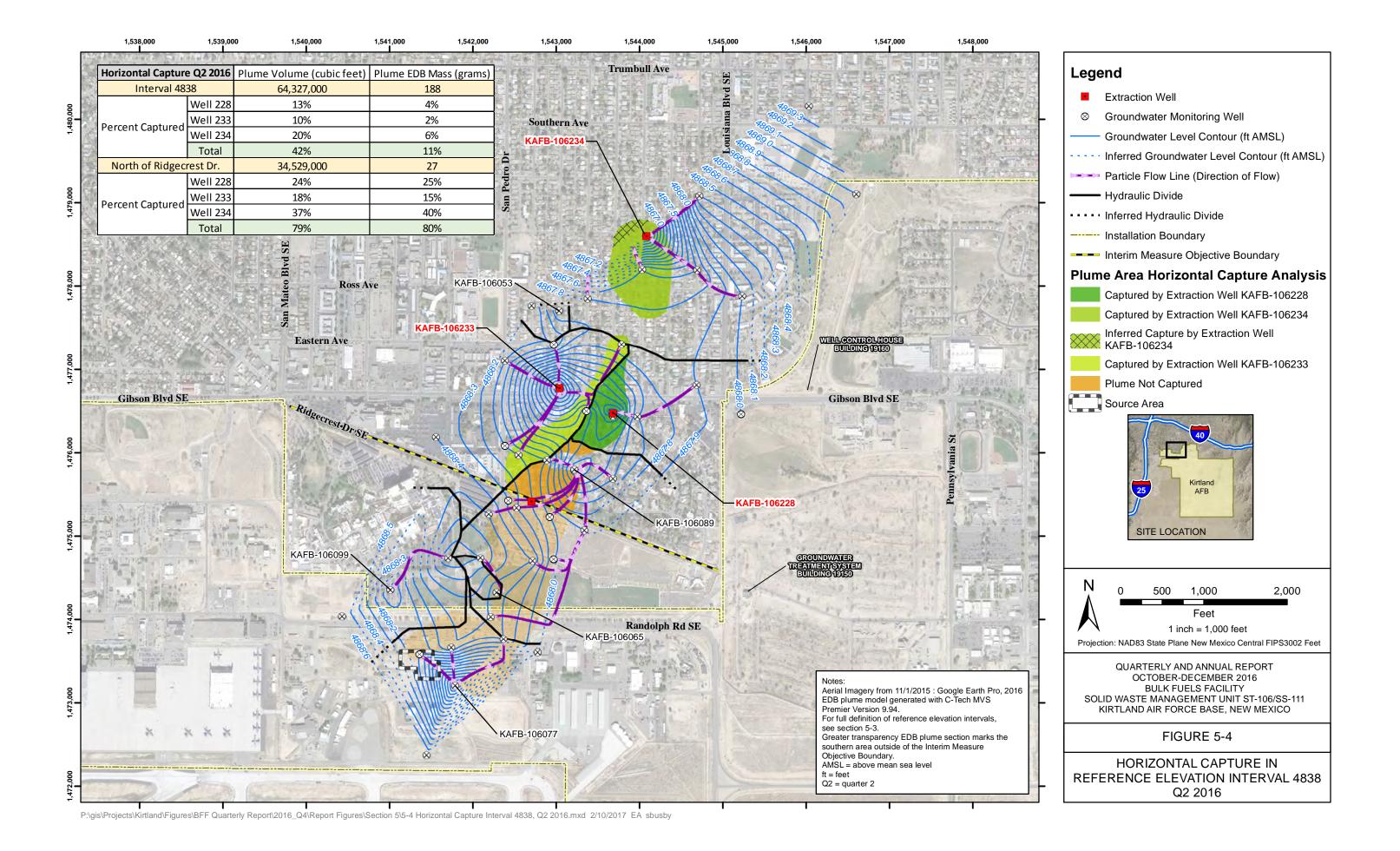
Q2 = quarter 2
Q4 = quarter 4

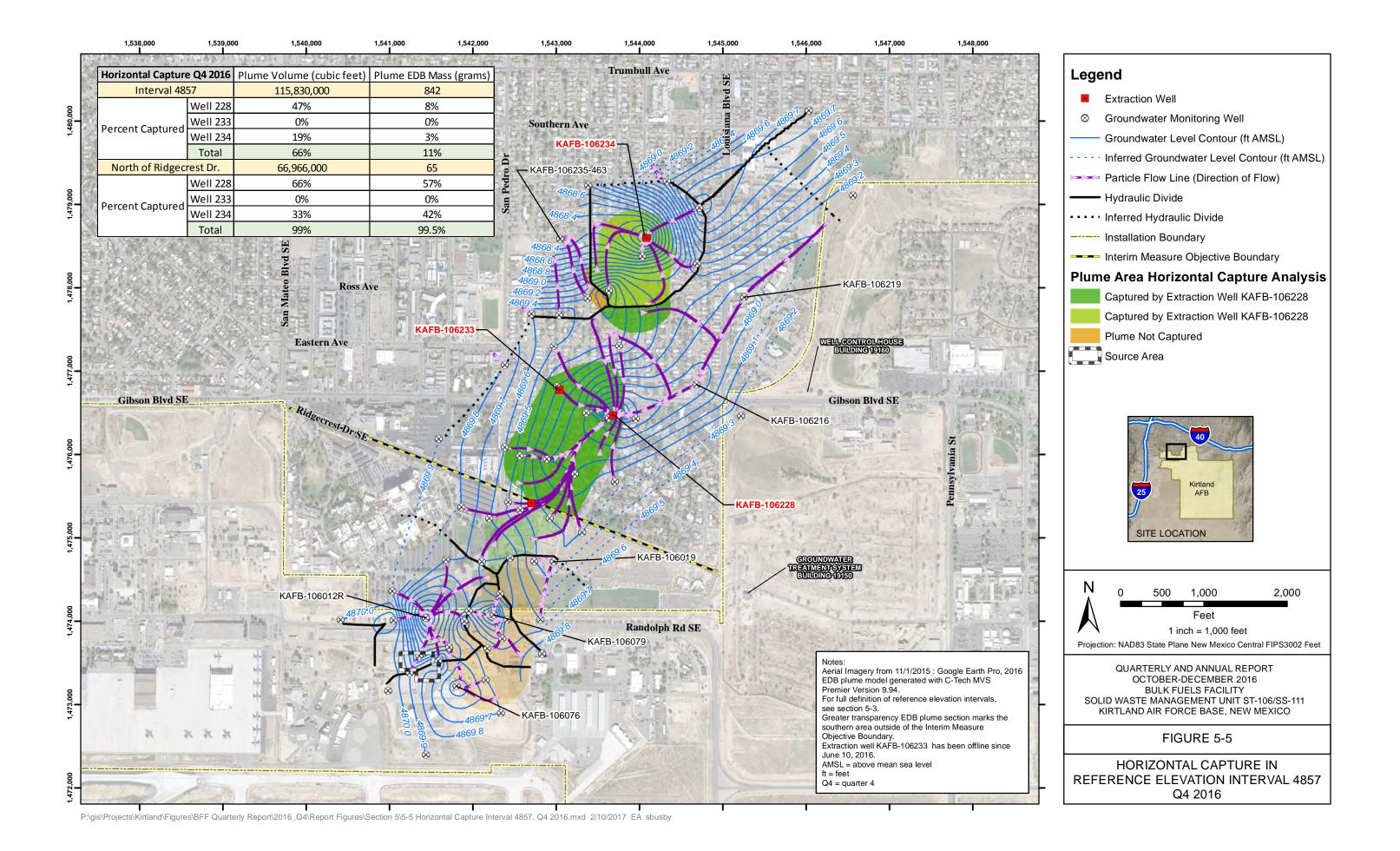
QUARTERLY AND ANNUAL REPORT OCTOBER-DECEMBER 2016 BULK FUELS FACILITY SOLID WASTE MANAGEMENT UNIT ST-106/SS-111 KIRTLAND AIR FORCE BASE, NEW MEXICO

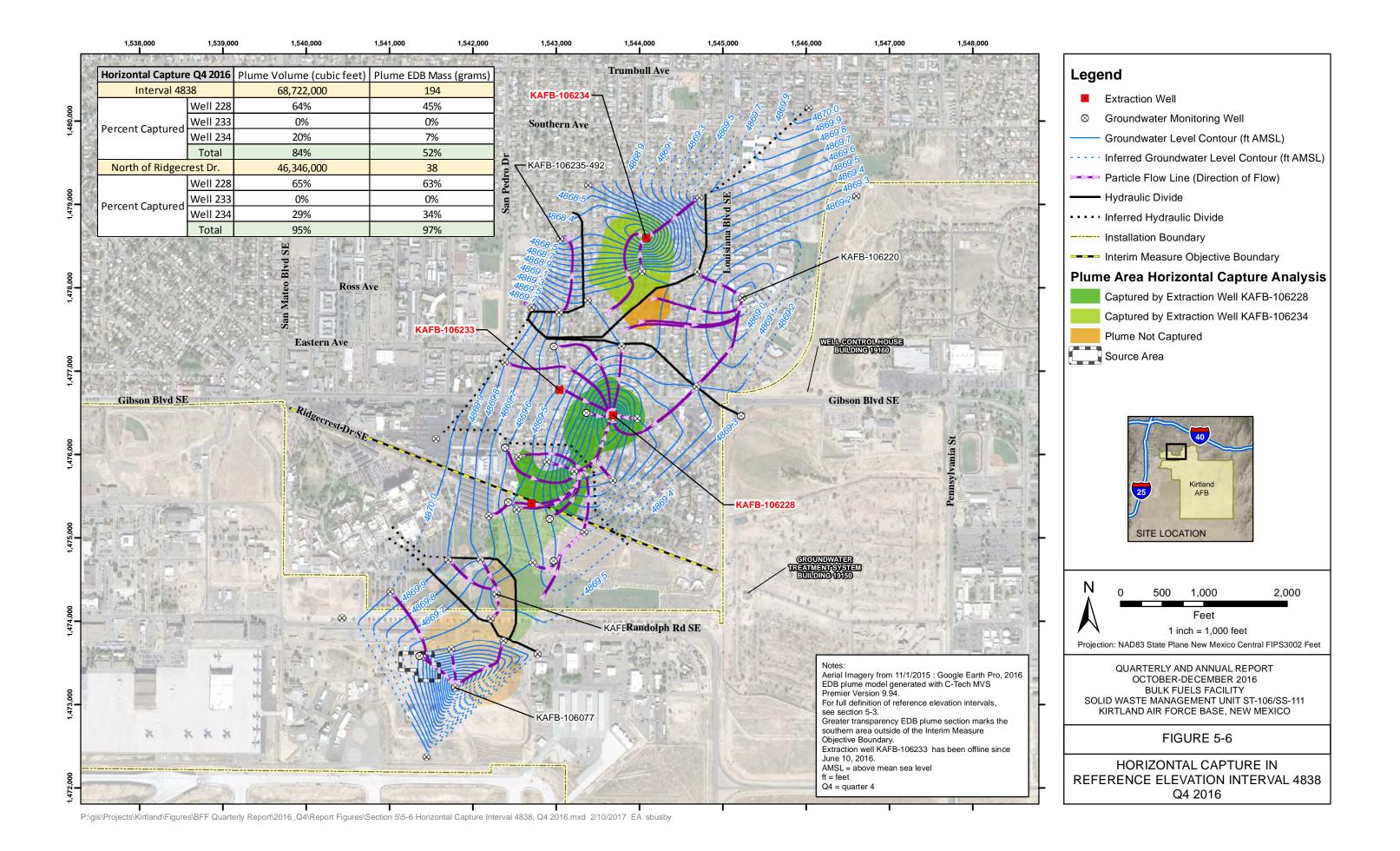
FIGURE 5-2

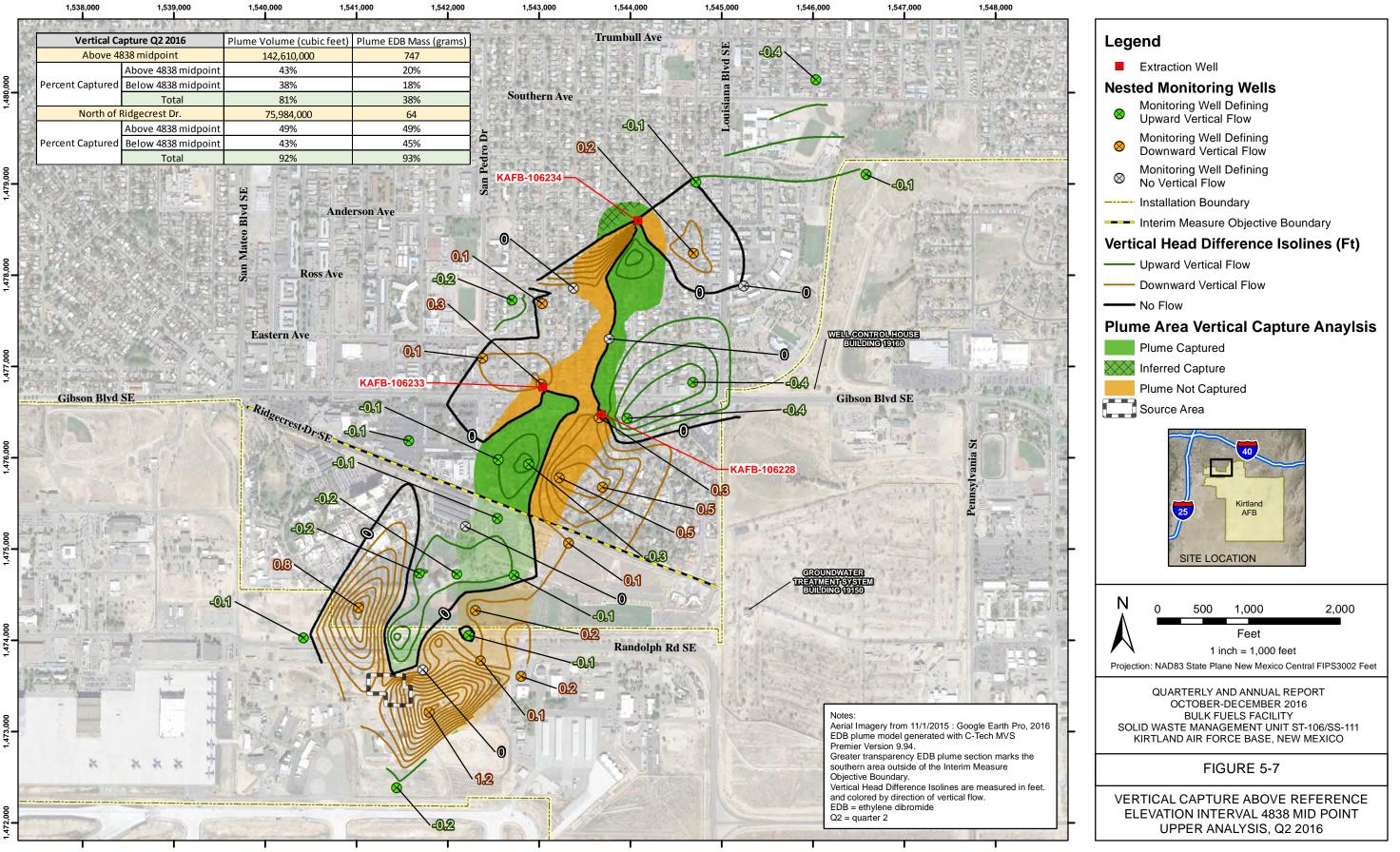
**COMPARISON OF** TARGET CAPTURE ZONES 2015 - 2016



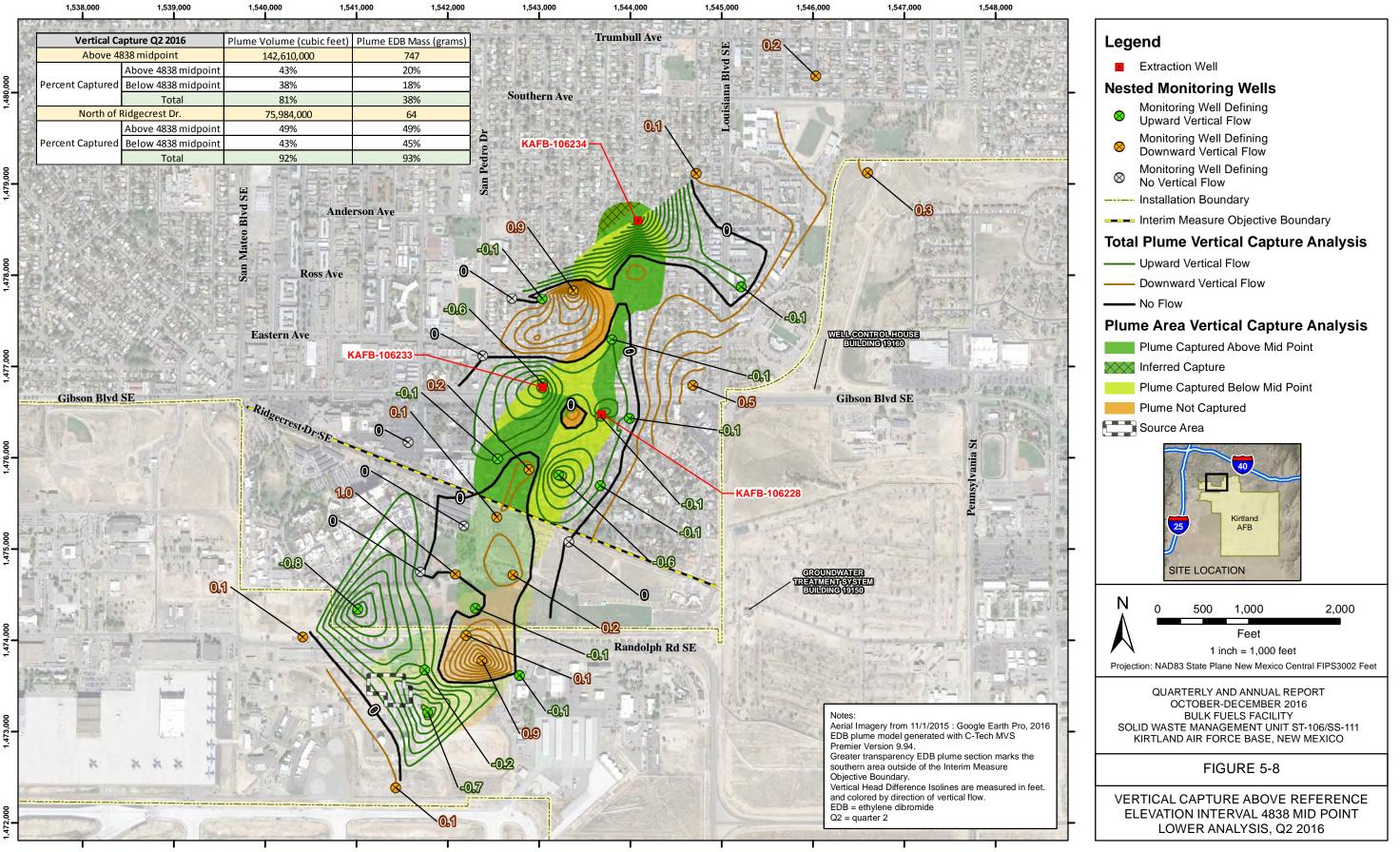




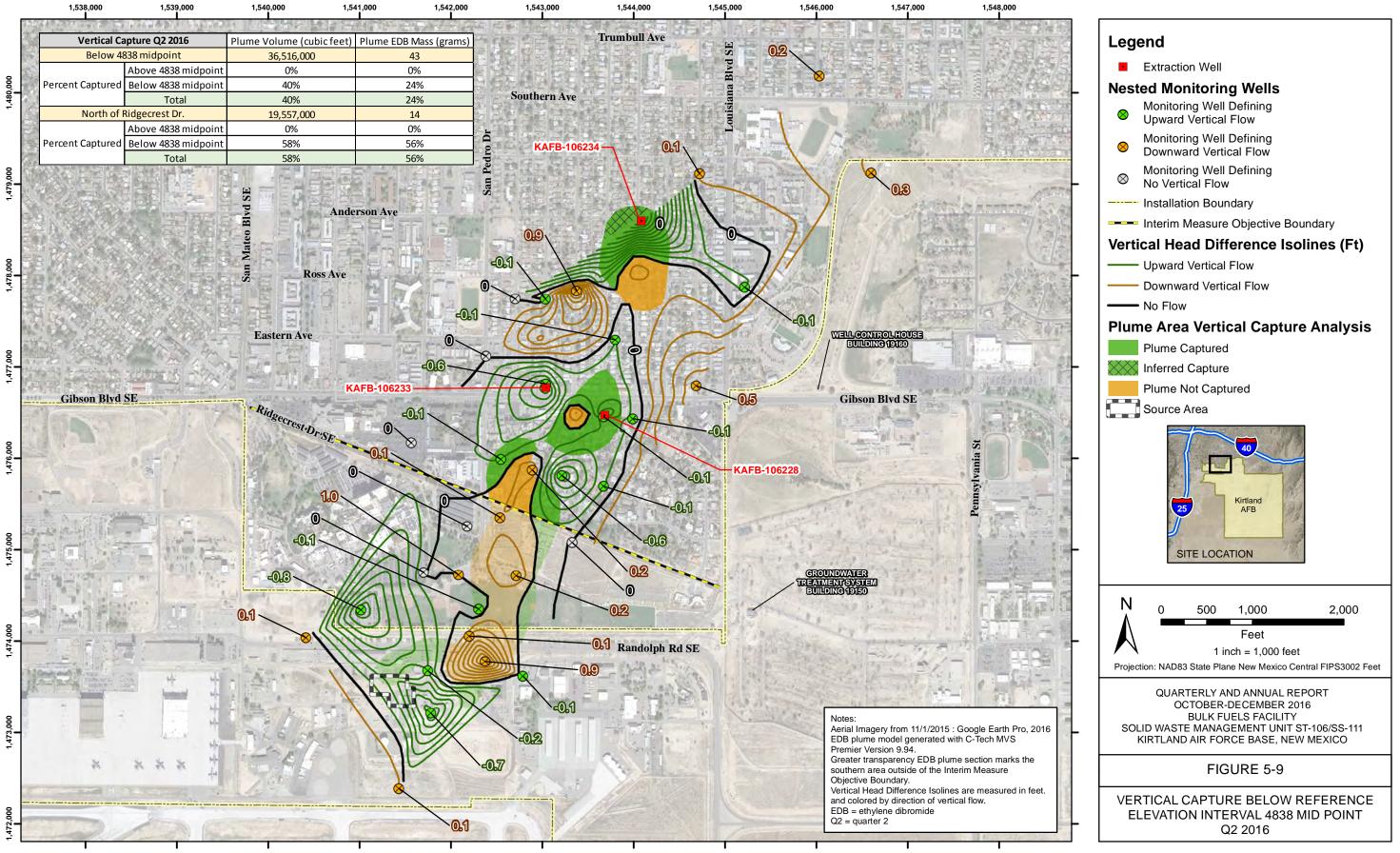




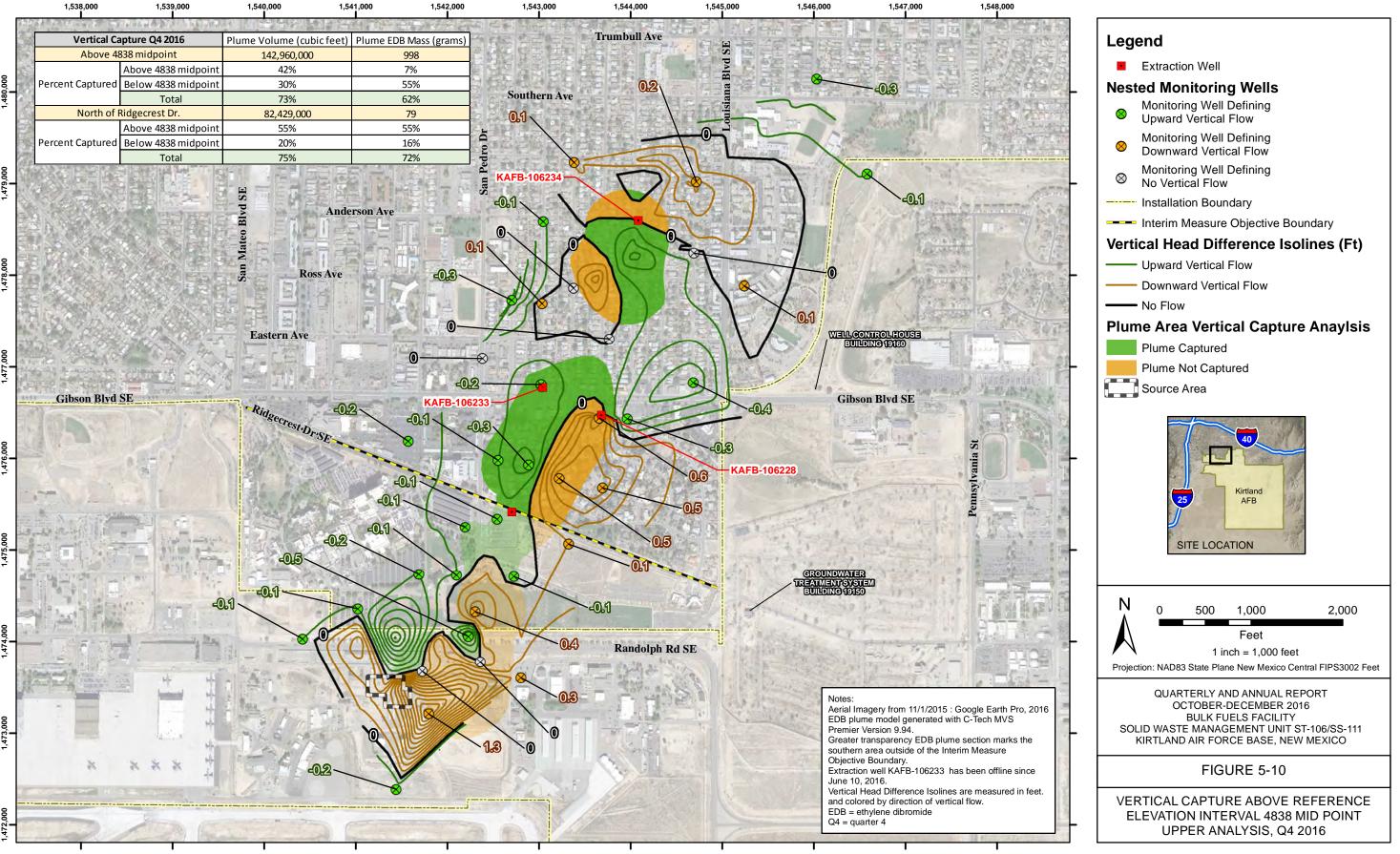
P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2016_Q4\Report Figures\Section 5\5-7 Vertical Capture Above 4838 Interval Mid Point Upper Analysis, Q2 2016.mxd 2/7/2017 EA sbusby



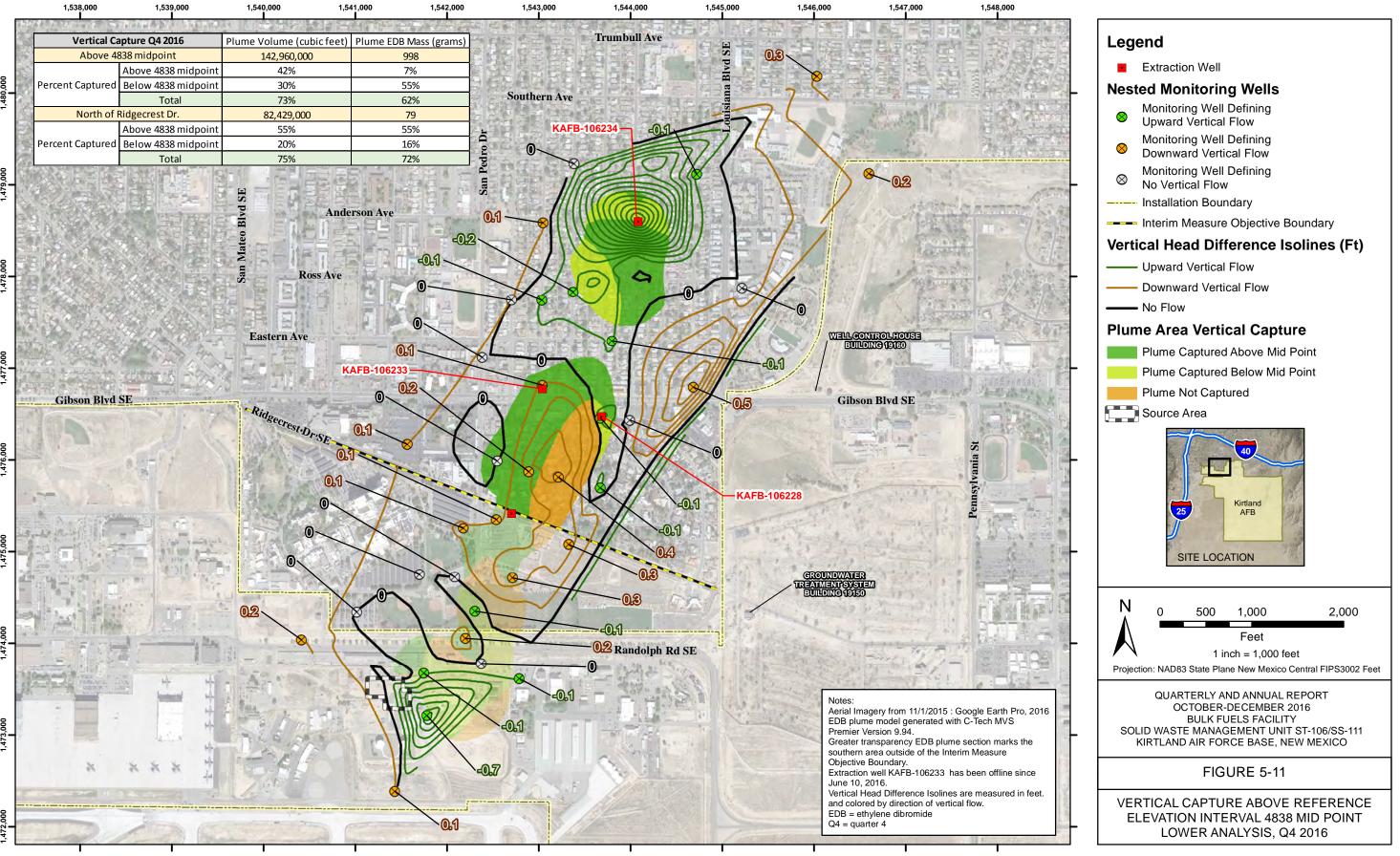
P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2016_Q4\Report Figures\Section 5\5-8 Vertical Capture Above 4838 Interval Mid Point Lower Analysis, Q2 2016.mxd 2/7/2017 EA sbusby



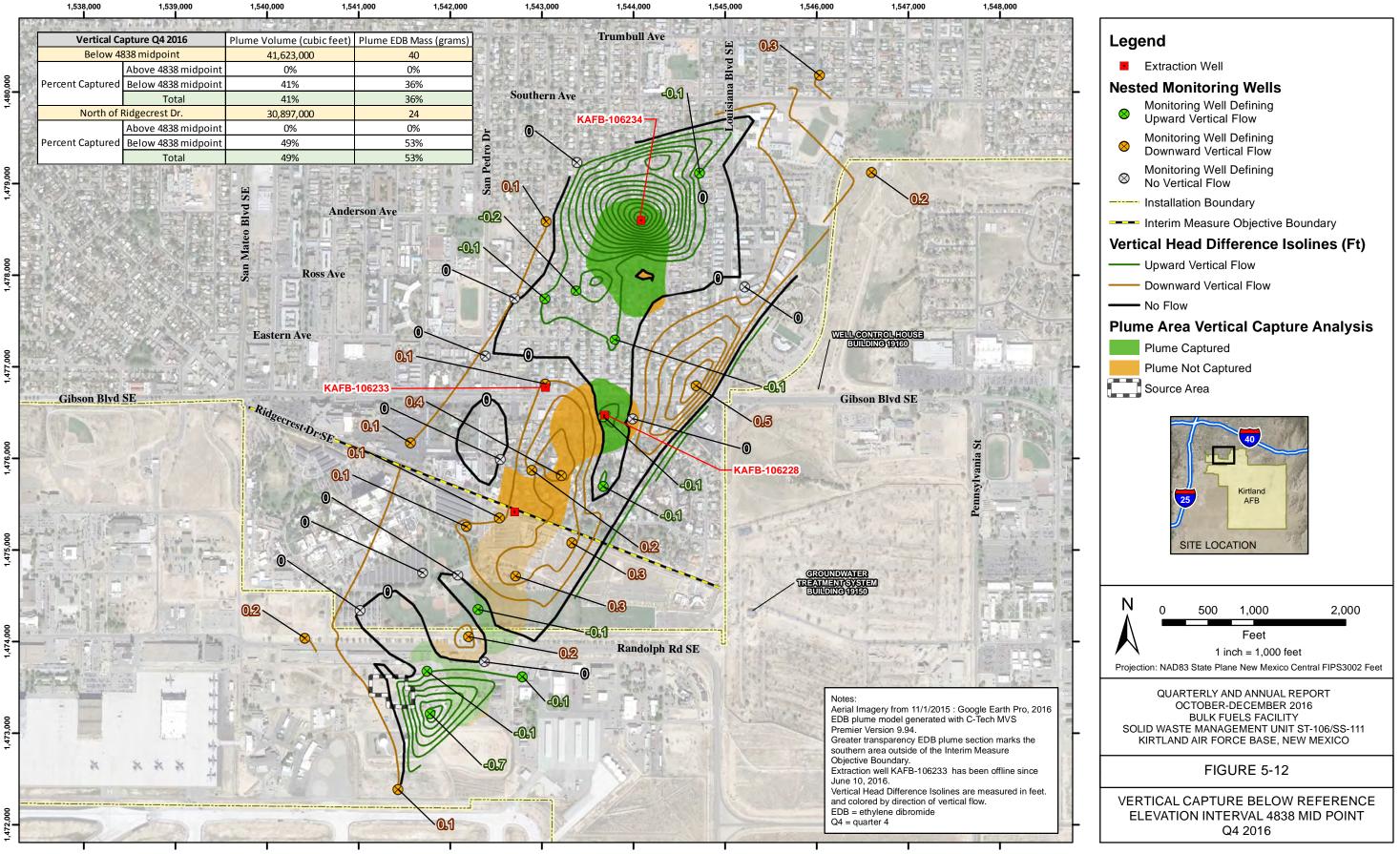
P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2016_Q4\Report Figures\Section 5\5-9 Vertical Capture Below 4838 Interval Mid Point, Q2 2016.mxd 2/7/2017 EA sbusby



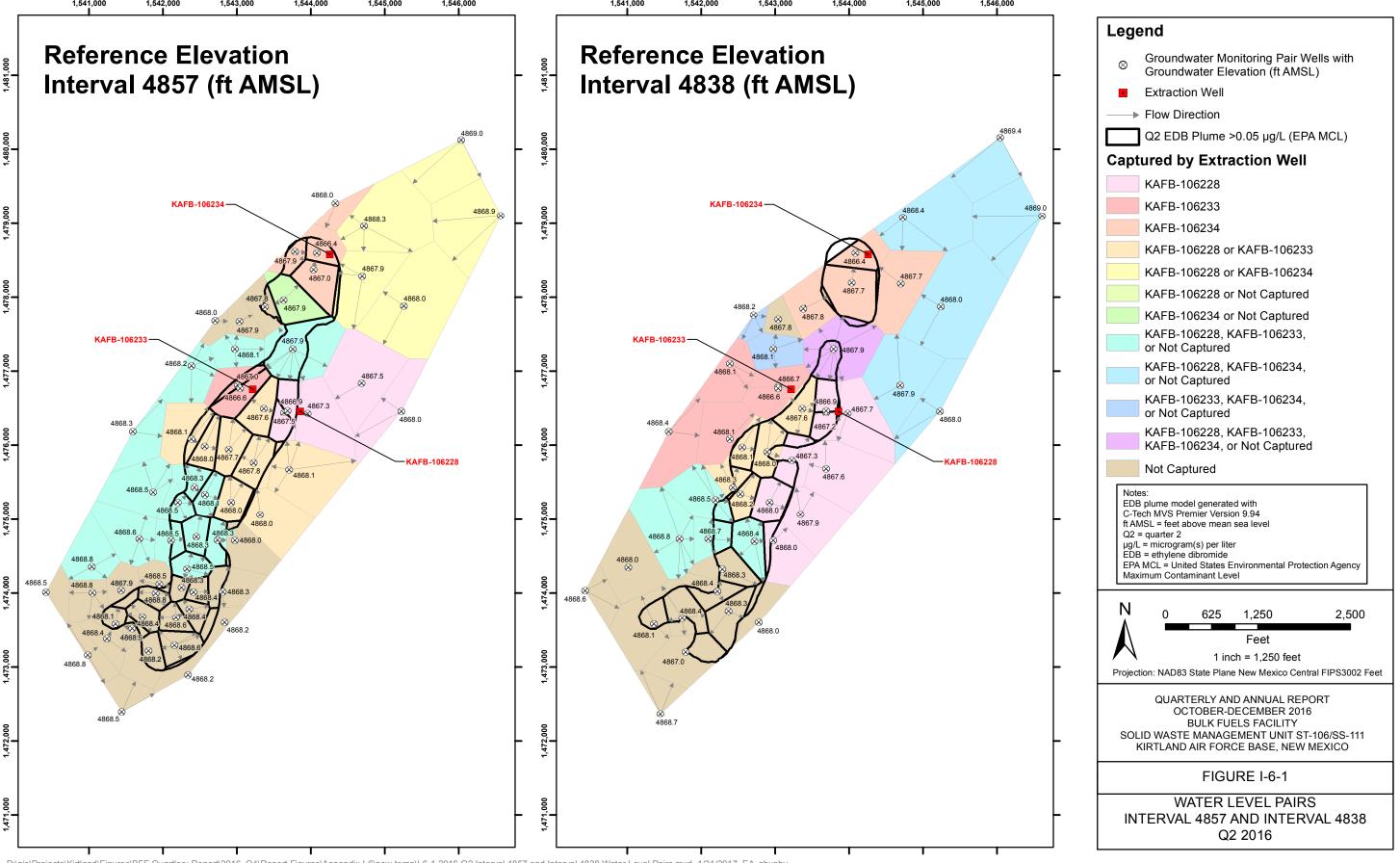
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P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2016_Q4\Report Figures\Section 5\5-11 Vertical Capture Above 4838 Interval Mid Point Lower Analysis, Q4 2016.mxd 2/10/2017 EA sbusby

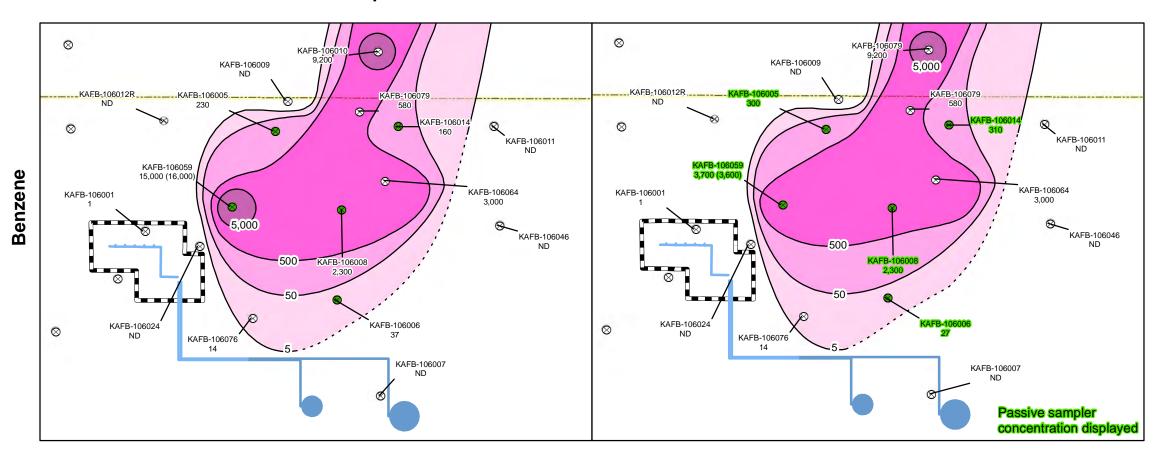


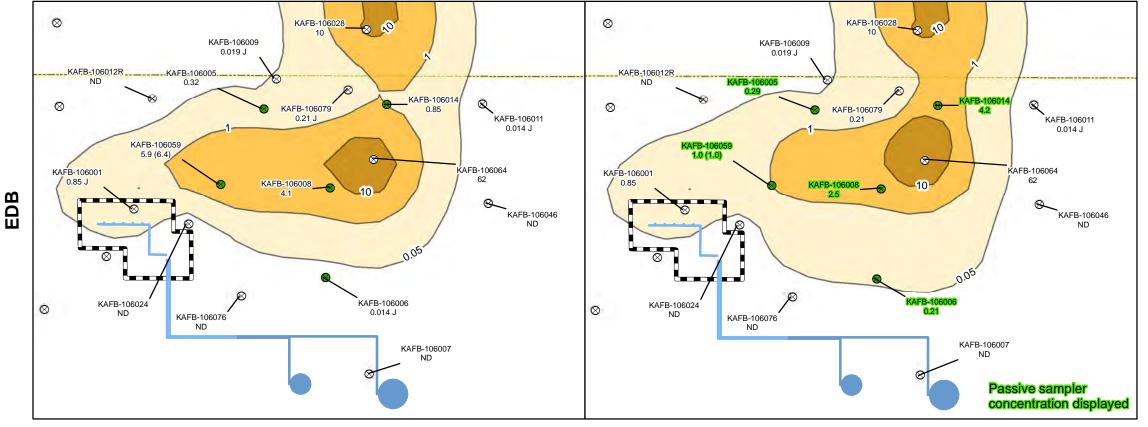
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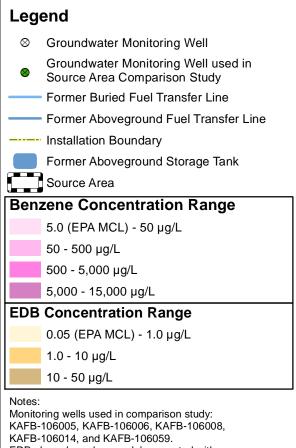


# **Low Flow Grab Samples**

### **Passive Samples**







EDB plume based on model generated with C-Tech MVS Premier Version 9.94.

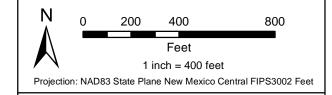
Values in parentheses are duplicate sample results. All units are measured in µg/L.

μg/L = micrograms per liter

EDB = ethylene dibromide ND = nondetect

Q4 = quarter 4 Qualifer(s):

J = denotes the analyte was positively identified, but the associated numerical value is estimated.

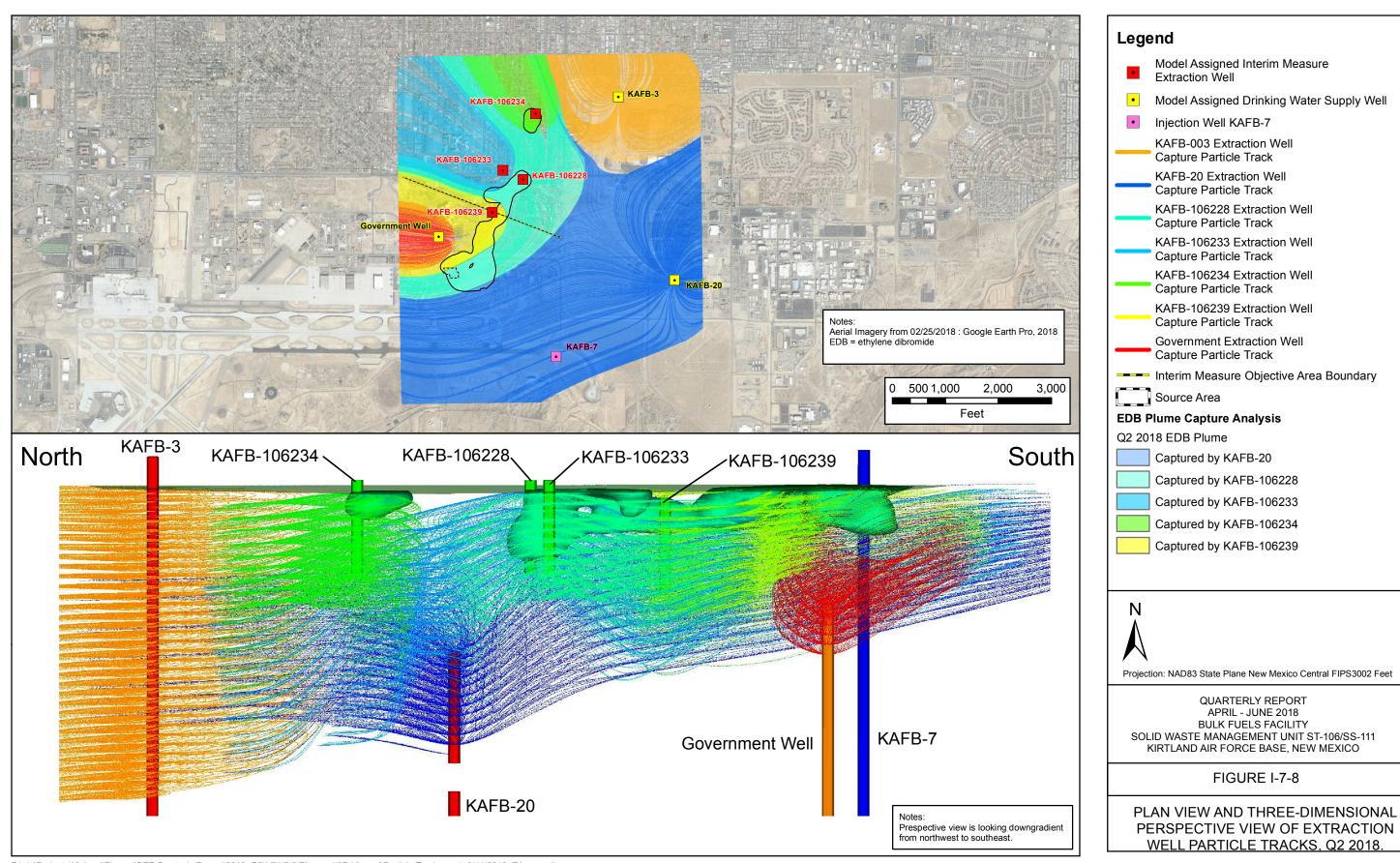


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**FIGURE 3-23** 

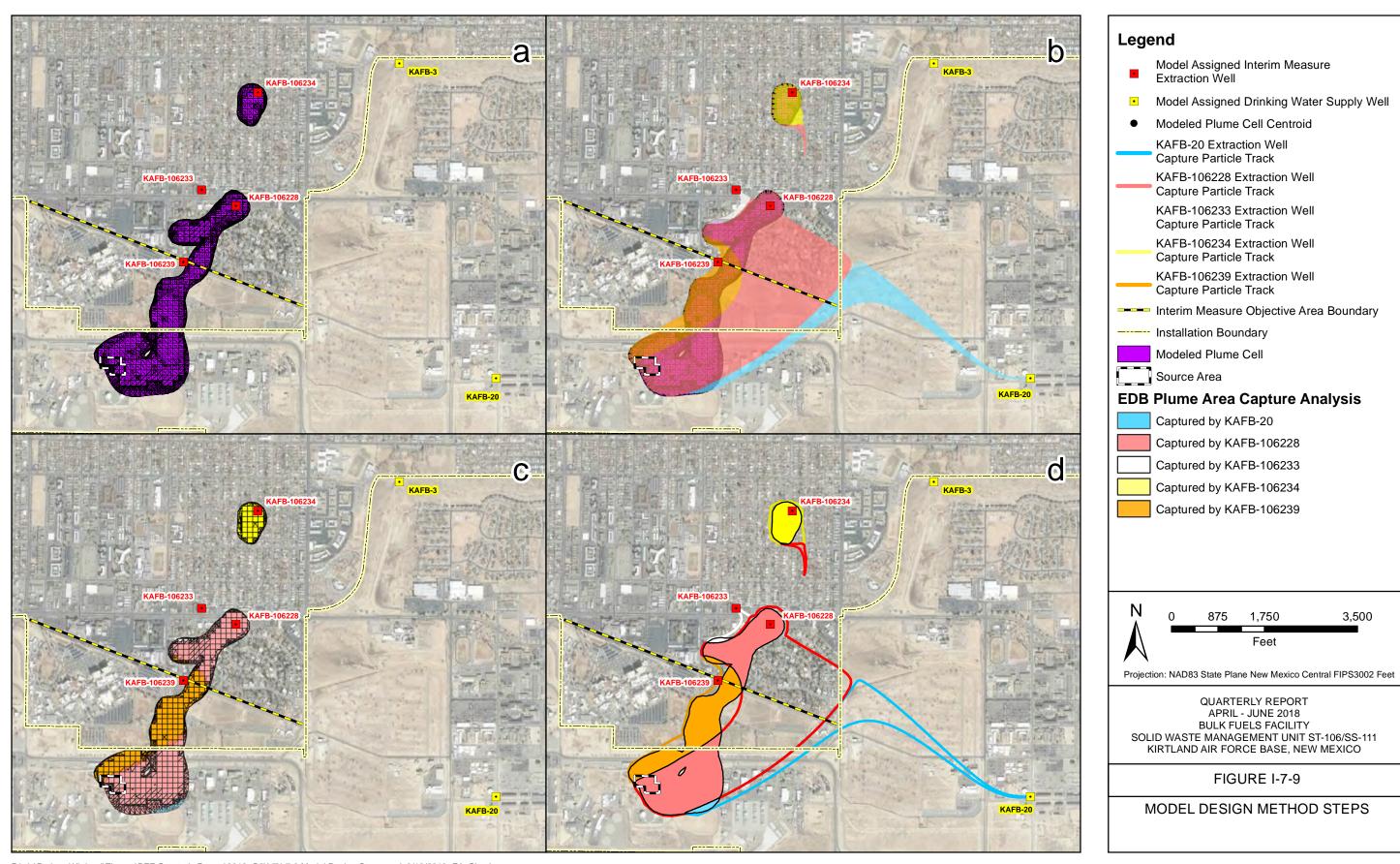
SOURCE AREA WELL COMPARISON BETWEEN LOW FLOW SAMPLES AND PASSIVE SAMPLERS IN REI 4857, Q4 2017

P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2017_Q4\Section 3\3-23 EDB Benzene Comparison Q4 2017.mxd 2/28/2018 EA sbusby



QUARTERLY REPORT APRIL - JUNE 2018

FIGURE I-7-8

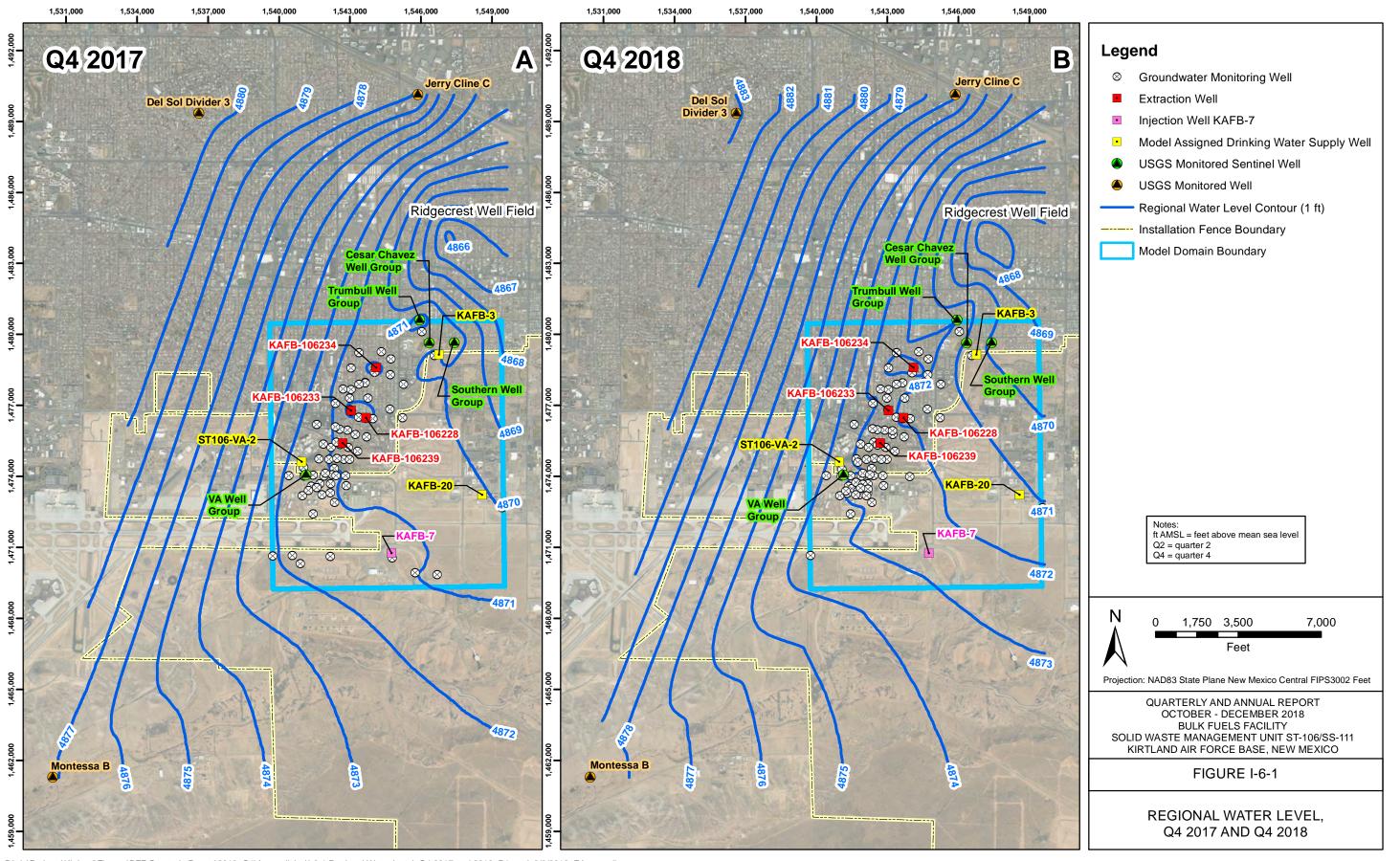


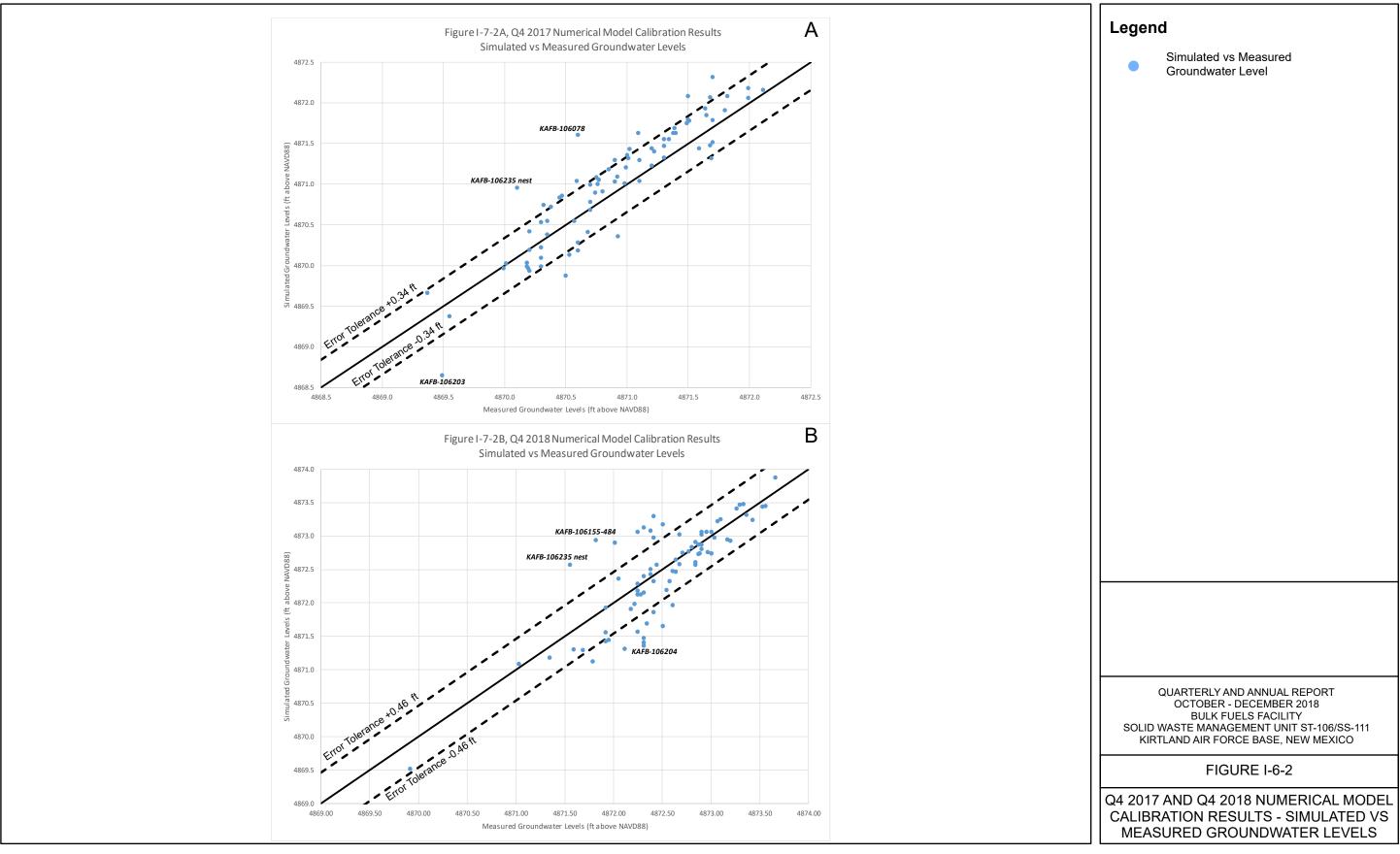
3,500

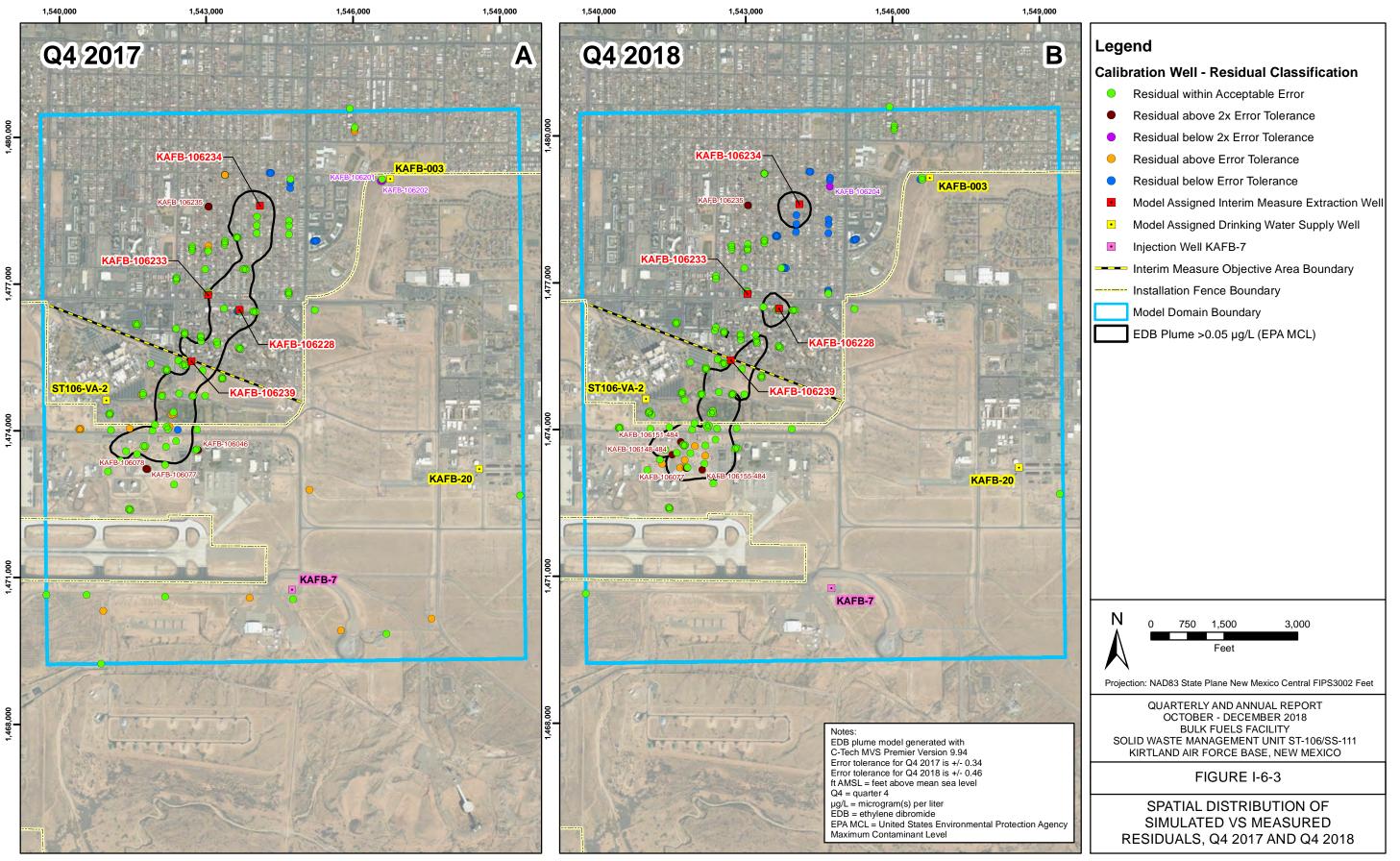
Feet

FIGURE I-7-9

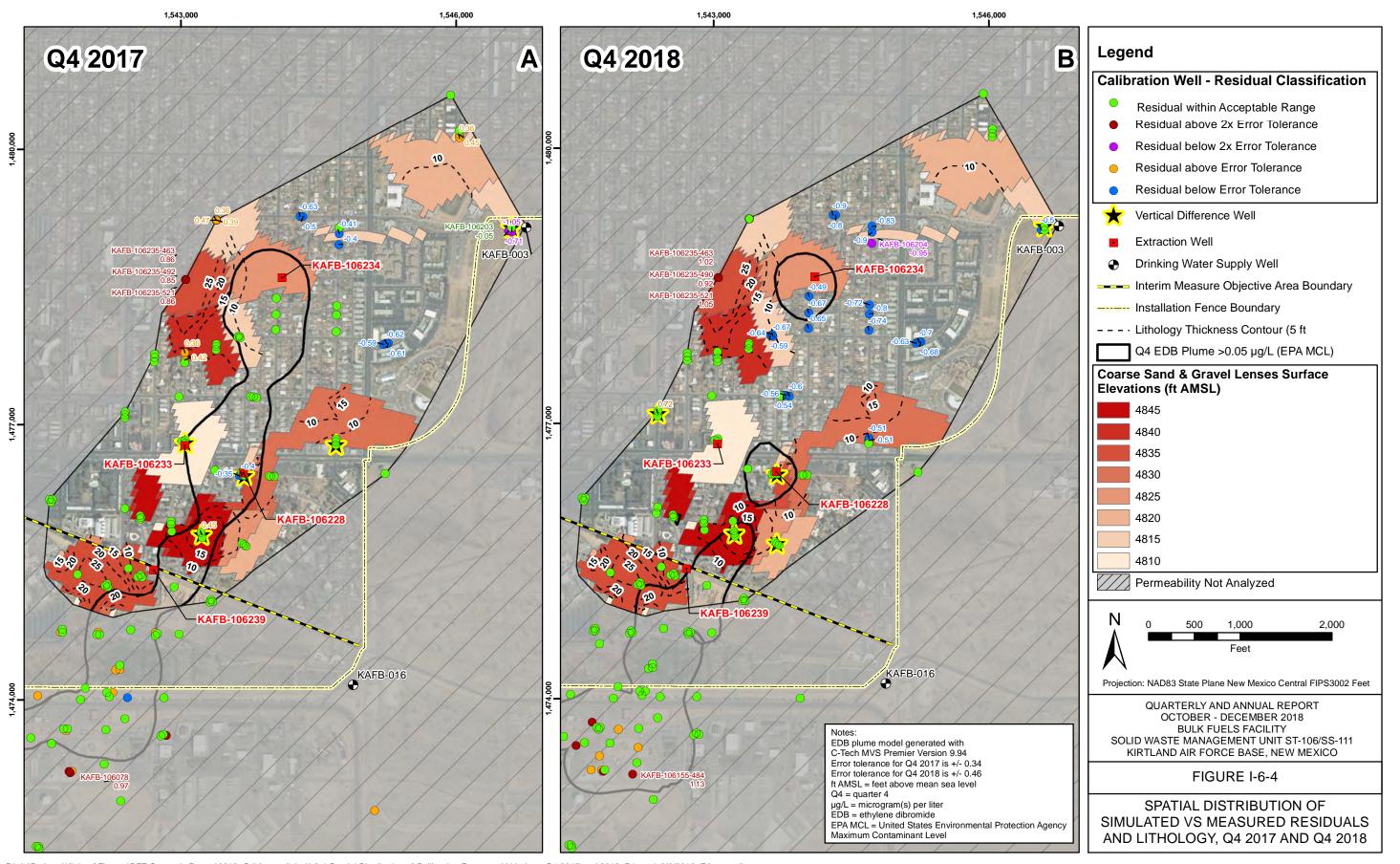
P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2018_Q2\I-7\I-7-9 Model Design Steps.mxd 8/13/2018 EA Sbusby







P:\gis\Projects\Kirtland\Figures\BFF Quarterly Report\2018_Q4\Appendicies\I-6-3 Spatial Distribution of Calibration Errors, Q4 2017 and 2018_R1.mxd 3/6/2019 EA eomalia



 $P:\gis\Projects\Kirtland\Figures\BFF\ Quarterly\ Report\2018_Q4\Appendicies\I-6-4\ Spatial\ Distribution\ of\ Calibration\ Errors\ and\ Lithology,\ Q4\ 2017\ and\ 2018_R1.mxd\ 3/6/2019\ EA\ eomalia$ 

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Table 3-4
Groundwater Monitoring Wells Included in Q4 2016 Monitoring Activities

									1
	Reference Elevation		Date	Screen Interval ^a	Screen Interval ^a	Dedicated Sampling System	Screen Submerged	Estimated Pump Intake Depth (ft	
Well Location ID	Interval (ft AMSL)	Installation Date	Sampled	(ft bgs)	(AMSL)	(Yes/No)?	(Yes/No)?	bags) ^b	Analytical Suite ^c
	· · ·				vater Monitoring We	, ,	,		·
KAFB-3411	4857	11/10/1999	11/16/2016	461-504	4879-4836	No	Yes	505.31	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106001	4857/4838	11/10/2000	11/10/2016	483-508	4859-4834	No	Yes	487.83	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106002	4857	3/26/2002	10/20/2016	479-504	4861-4836	Yes	Yes	503.99	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106007	4857	11/14/2007	10/31/2016	484-509	4860-4835	Yes	Yes	504.07	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106015	4857/4838	10/14/2008	10/25/2016	485-510	4855-4830	No	Yes	490.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106016	4857	10/17/2008	10/24/2016	475-500	4864-4839	Yes	Yes	494.73	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106019	4857/4838	12/9/2008	11/7/2016	493-518	4859-4834	No	Yes	497.95	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106020	4857	12/19/2008	10/25/2016	482-507	4859-4834	No	Yes	484.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106021	4857/4838	6/7/2009	10/5/2016	458-483	4856-4831	No	Yes	460.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106022	4857/4838	6/12/2009	10/13/2016	462-487	4856-4831	Yes	Yes	483.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106023	4857	6/27/2009	11/10/2016	473-498	4856-4831	No	Yes	475.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106024	4857	8/3/2009	11/2/2016	481-506	4862-4837	Yes	Yes	502.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106025	4857/4838	12/5/2010	10/5/2016	465-490	4852-4827	No	Yes	467.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106027	4857	5/1/2010	10/24/2016	481-501	4864-4844	Yes	Yes	490.59	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106035	4857	8/9/2011	10/27/2016	452-482	4869-4839	No	No	474.35	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106036	4838	8/5/2011	10/27/2016	481-496	4841-4826	No	Yes	483.80	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106037	4838	7/14/2011	11/8/2016	507-522	4815-4800	No	Yes	509.21	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106039	4838	7/26/2011	10/27/2016	508-523	4840-4825	No	Yes	513.50	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106040	4814	7/19/2011	10/29/2016	530-545	4817-4802	No	Yes	536.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106042	4857	5/31/2011	11/10/2016	469-484	4855-4840	No	Yes	471.06	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106043	4814	5/18/2011	10/10/2016	543-558	4781-4766	Yes	Yes	550.60	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106044	4838	1/7/2011	10/24/2016	504-519	4842-4827	Yes	Yes	511.70 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106045	4814	1/17/2011	11/14/2016	528-543	4817-4802	No	Yes	535.80 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106046	4857	4/8/2011	10/31/2016	490-510	4863-4843	Yes	Yes	504.95	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106047	4838	4/8/2011	10/31/2016	512-527	4841-4826	Yes	Yes	519.55	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106048	4814	4/8/2011	11/15/2016	535-550	4818-4803	No	Yes	537.50	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106052	4857	7/25/2011	10/12/2016	449-479	4870-4840	Yes	Yes	472.28	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106053	4838	7/11/2011	10/12/2016	478-493	4841-4826	Yes	Yes	486.10	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106054	4814	6/28/2011	10/12/2016	504-519	4814-4799	Yes	Yes	511.60	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106055	4857	6/24/2011	10/12/2016	465-485	4860-4840	Yes	Yes	479.90	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106057	4838	6/19/2011	10/12/2016	484-499	4841-4826	Yes	Yes	493.05	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106058	4814	6/14/2011	10/13/2016	511-526	4815-4800	Yes	Yes	518.07	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106070	4857	5/23/2011	10/17/2016	460-485	4858-4833	Yes	Yes	474.85	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106071	4814	5/13/2011	10/18/2016	548-563	4773-4758	Yes	Yes	555.43	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106072	4838	5/1/2011	11/3/2016	475-495	4844-4824	No	Yes	477.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106073	4838	5/5/2011	11/14/2016	499-514	4841-4826	No	Yes	501.74	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106074	4814	4/28/2011	11/14/2016	569-584	4772-4757	No	Yes	571.56	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106075	4857	4/17/2011	10/19/2016	480-500	4860-4840	Yes	Yes	494.90	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106082	4857	4/5/2011	11/1/2016	472-492	4863-4843	No	Yes	474.10	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106083	4838	4/15/2011	11/7/2016	495-510	4840-4825	No	Yes	497.62	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106084	4814	4/5/2011	11/1/2016	566-581	4768-4753	No	Yes	571.50	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106085	4857	7/8/2011	10/17/2016	446-476	4871-4841	Yes	No	468.96	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106086	4838	6/26/2011	11/8/2016	476-491	4842-4827	No	Yes	478.03	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106087	4814	6/19/2011	11/8/2016	546-561	4771-4756	No	Yes	548.01	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106088	4857	6/3/2011	10/17/2016	460-480	4864-4844	Yes	Yes	475.06	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106089	4838	5/23/2011	10/15/2016	481-496	4843-4828	Yes	Yes	488.99	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106090	4814	5/23/2011	10/18/2016	555-570	4768-4753	Yes	Yes	562.41	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106091 ^e	4857	6/4/2011	10/13/2016 / 12/15/16	454-474	4860-4840	Yes	Yes	468.98	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106092	4838	5/24/2011	10/17/2016	474-489	4840-4825	Yes	Yes	480.35	VOCs, EDB, metals, anions, alkalinity, FP

March 2017

Table 3-4
Groundwater Monitoring Wells Included in Q4 2016 Monitoring Activities

		<u> </u>			<u> </u>				
Well Location ID	Reference Elevation Interval (ft AMSL)	Installation Date	Date Sampled	Screen Interval ^a (ft bgs)	Screen Interval ^a (AMSL)	Dedicated Sampling System (Yes/No)?	Screen Submerged (Yes/No)?	Estimated Pump Intake Depth (ft bags) ^b	Analytical Suite ^c
KAFB-106093	4814	5/24/2011	10/13/2016	544-559	4770-4755	Yes	Yes	550.38	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106094	4857	6/26/2011	10/20/2016	484-504	4861-4841	Yes	Yes	499.11	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106095	4838	6/24/2011	10/19/2016	504-519	4841-4826	Yes	Yes	511.03	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106096	4814	6/7/2011	10/20/2016	576-591	4769-4754	Yes	Yes	583.75	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106103	4838	6/21/2011	10/18/2016	485-500	4844-4829	Yes	Yes	492.46	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106104	4814	6/15/2011	10/18/2016	510-525	4818-4803	Yes	Yes	517.41	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106105	4838	8/19/2011	11/2/2016	484-499	4838-4823	No	Yes	486.06	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106106	4857	8/10/2011	10/11/2016	454-484	4868-4838	Yes	Yes	476.17	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106107	4814	8/30/2011	11/10/2016	510-525	4812-4797	No	Yes	512.27	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106212	4814	2/17/2015	10/31/2016	543-558	4779-4764	No	Yes	453.97	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106213	4857	2/10/2015	10/13/2016	448-478	4877-4847	Yes	No	475.30	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106214	4838	3/9/2015	10/17/2016	478-493	4848-4833	Yes	Yes	490.08	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106215	4814	4/28/2015	11/7/2016	547-562	4779-4764	No	Yes	549.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106219	4857	3/12/2015	10/6/2016	463-493	4877-4847	Yes	No	475.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106220	4838	3/12/2015	10/6/2016	493-508	4847-4832	Yes	Yes	490.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106221	4814	6/5/2015	10/6/2016	561-576	4779-4764	Yes	Yes	554.40	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106225	4857	1/19/2015	10/11/2016	450-480	4876-4846	Yes	No	474.70	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106226	4838	2/3/2015	11/8/2016	480-495	4847-4832	No	Yes	482.14	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106227	4814	5/6/2015	10/11/2016	548-563	4780-4765	Yes	Yes	554.00	VOCs, EDB, metals, anions, alkalinity, FP
· · · =	10	1 0///00//	101110010		adient Proximal Well		.,	1 40-0-	
KAFB-106029	4857	6/4/2011	10/4/2016	451-471	4860-4840	No	Yes	465.35	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106030	4838	5/25/2011	10/4/2016	469-484	4842-4827	Yes	Yes	476.97	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106031	4814	5/25/2011	10/4/2016	496-510	4815-4801	Yes	Yes	502.49	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106032	4857	6/24/2011	10/26/2016	456-476	4862-4842	No	Yes	470.74	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106033	4838	6/24/2011	10/26/2016	477-492	4841-4826	No	Yes	480.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106034	4814	6/24/2011	10/26/2016	502-517	4817-4802	Yes	Yes	509.33	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106049	4857	5/13/2011	10/11/2016	457-477	4859-4839	No	Yes	471.50	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106050 KAFB-106051	4838 4814	5/2/2011 4/26/2011	10/11/2016	474-489 500-515	4842-4827 4816-4801	Yes Yes	Yes Yes	482.57 508.87	VOCs, EDB, metals, anions, alkalinity, FP
			10/11/2016			+			VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106201	4857	10/4/2012	10/10/2016	487-517	4868-4838	No	Yes	502.00 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106202	4838	9/23/2012	10/10/2016	517-532	4838-4823	Yes	Yes	521.77	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106203	4814	9/9/2012	10/10/2016	620-635	4735-4720	Yes	Yes	627.50 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106204	4857	8/29/2012	10/10/2016	462-492	4871-4841	No	No	477.55 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106205	4838	8/21/2012	10/10/2016	492-507	4841-4826	Yes	Yes	500.00 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106206	4814	8/9/2012	10/10/2016	593-608	4741-4726	Yes	Yes	600.85 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106207	4857	8/22/2012	10/25/2016	473-503	4872-4842	No	No	488.00 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106208	4838	8/16/2012	10/10/2016	503-518	4841-4826	No	Yes	510.50 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106209	4814	8/7/2012	10/25/2016	603-617	4741-4727	No	Yes	610.00 ^d	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106216	4857	2/10/2015	10/13/2016	455-485	4879-4849	Yes	No	475.08	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106217	4838	2/17/2015	11/7/2016	485-500	4849-4834	No	Yes	487.06	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106218	4814	5/26/2015	10/13/2016	552-567	4781-4766	Yes	Yes	554.58	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106222	4857	1/15/2015	10/12/2016	458-488	4875-4845	Yes	No	475.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106223	4838	2/17/2015	10/12/2016	488-503	4846-4831	Yes	Yes	489.50	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106224	4814	5/15/2015	10/12/2016	555-570	4780-4765	Yes	Yes	554.58	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106231	4857	9/8/2015	10/3/2016	440-475	4887-4852	Yes	No	470.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106232	4814	9/1/2015	10/3/2016	503-518	4824-4809	No	Yes	503.00	VOCs, EDB, metals, anions, alkalinity, FP
	-				Affairs Proximal We				, , , , -,,,, · ·
KAFB-106003	4857	1/25/2003	10/24/2016	476-501	4861-4836	No	Yes	501.70	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106004	4857	1/4/2006	11/15/2016	484-509	4859-4834	No	Yes	488.77	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106013	4857	9/19/2008	11/9/2016	486-511	4862-4837	No	Yes	491.72	VOCs, EDB, metals, anions, alkalinity, FP

Table 3-4
Groundwater Monitoring Wells Included in Q4 2016 Monitoring Activities

		1		T	1	1		1	
Well Location ID	Reference Elevation Interval (ft AMSL)	Installation Date	Date Sampled	Screen Interval ^a (ft bgs)	Screen Interval ^a (AMSL)	Dedicated Sampling System (Yes/No)?	Screen Submerged (Yes/No)?	Estimated Pump Intake Depth (ft bags) ^b	Analytical Suite ^c
KAFB-106097	4838	4/27/2011	11/9/2016	506-521	4842-4827	No	Yes	508.14	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106098	4814	4/17/2011	11/9/2016	531-546	4817-4802	No	Yes	533.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106099	4838	5/12/2011	11/2/2016	501-516	4842-4827	No	Yes	503.11	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106100	4814	5/3/2011	10/19/2016	526-541	4817-4802	No	Yes	533.47	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106101	4838	2/21/2011	10/24/2016	496-511	4841-4826	No	Yes	503.22	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106102	4814	3/3/2011	11/1/2016	521-534	4816-4803	No	Yes	526.00	VOCs, EDB, metals, anions, alkalinity, FP
					urce Area Wells				•
KAFB-106005	4857	1/22/2007	11/15/2016	479-504	4865-4840	No	Yes	484.04	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106006	4857	10/31/2007	11/8/2016	483-508	4866-4841	No	Yes	484.60	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106008	4857	11/21/2007	11/17/2016	486-511	4863-4838	No	Yes	491.10	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106009	4857	11/28/2007	11/3/2016	480-505	4865-4840	No	Yes	485.70	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106010	4857	12/6/2007	11/16/2016	483-508	4860-4835	No	Yes	485.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106011	4857	9/23/2008	10/24/2016	486-511	4864-4839	Yes	Yes	505.83	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106012R	4857	4/23/2014	11/8/2016	465-495	4877-4847	No	No	495.52	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106014	4857	10/3/2008	11/16/2016	486-511	4861-4836	No	Yes	491.17	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106028	4857	3/19/2012	10/19/2016	486-510	4863-4839	Yes	Yes	506.80	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106059	4857	4/7/2011	11/14/2016	483-503	4862-4842	No	Yes	488.60	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106060	4838	4/16/2011	10/20/2016	503-518	4842-4827	Yes	Yes	510.29	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106061	4814	4/8/2011	10/20/2016	573-588	4772-4757	Yes	Yes	580.20	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106062	4814	3/19/2011	10/24/2016	575-590	4773-4758	Yes	Yes	582.70	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106063	4838	4/8/2011	11/2/2016	505-520	4844-4829	No	Yes	510.38	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106064	4857	3/24/2011	11/15/2016	485-505	4863-4843	No	Yes	490.18	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106065	4838	5/17/2011	10/19/2016	508-523	4841-4826	Yes	Yes	515.35	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106066	4814	5/16/2011	10/19/2016	575-590	4774-4759	Yes	Yes	583.06	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106067	4857	5/11/2011	10/19/2016	485-505	4863-4843	Yes	Yes	499.99	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106068	4814	5/2/2011	10/17/2016	580-595	4767-4752	Yes	Yes	587.41	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106069	4838	5/1/2011	11/1/2016	506-521	4841-4826	No	Yes	508.08	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106076	4857	4/8/2011	11/21/2016	480-500	4865-4845	No	Yes	482.14	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106077	4838	4/8/2011	11/16/2016	504-519	4841-4826	No	Yes	506.00	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106078	4814	4/8/2011	11/16/2016	573-588	4772-4757	Yes	Yes	581.01	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106079	4857	3/22/2011	10/20/2016	483-503	4864-4844	Yes	Yes	498.78	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106080	4838	4/17/2011	10/20/2016	503-518	4843-4828	Yes	Yes	511.77	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106081	4814	4/16/2011	10/20/2016	574-589	4772-4757	Yes	Yes	582.34	VOCs, EDB, metals, anions, alkalinity, FP
	·				Signal Wells	· · · · · · · · · · · · · · · · · · ·			, , , , , , , , , , , , , , , , , , , ,
KAFB-106017	4857/4838	11/19/2008	10/18/2016	482-507	4857-4832	Yes	Yes	501.56	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106018	4857/4838	11/24/2008	10/18/2016	476-501	4857-4832	Yes	Yes	495.70	VOCs, EDB, metals, anions, alkalinity, FP
KAFB-106038	4857	8/5/2011	11/15/2016	478-508	4870-4840	No	No	509.27	VOCs, EDB, metals, anions, alkalinity, FP

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# Table 3-4 Groundwater Monitoring Wells Included in Q4 2016 Monitoring Activities

AMSL = above mean sea level

bgs = below ground surface

EDB = ethylene dibromide

FP = field parameter

ft = foot/feet

ID = identification

Q = quarter

VOC = volatile organic compound

^a Screen interval is rounded to the nearest foot.

^b Portable equipment sampling depths are estimated to the nearest half foot due to slight inaccuracies with the mechanism measuring the pump setting in the field

^c The analytical methods for EDB and VOCs are 8011 and 8260C, respectively. Metals analyses consisted of select total metals (arsenic, calcium, lead, potassium, magnesium, and sodium by analytical method 6020A/6010C and select and dissolved metals (iron and manganese) (6010C). Anions analysis consisted of ammonia by method 4500NH3B/C, bromide by method 300.0A, chloride by method 300.0A, nitrate/nitrite nitrogen by method 353.2, sulfate by method 353.2, sulfate by method 4500 S2CF. FP include pH, specific conductivity, dissolved oxygen, oxidation reduction potential, temperature, and turbidity.

^d Pump setting estimated as half-way between top and bottom of screen.

^e Due to fuel contamination at the location of well at KAFB-106091, the well was resampled for EDB, benzene, ethylbenzene, toluene, and total xylenes on December 15, 2016

Table 5-8
Horizontal Capture Anaylsis for the Interim Measure Objective Area

2016		Plui	me ^a	Horizonta	l Capture ^a	Percent (	Captured
Sample		Volume	Mass	Volume	Mass		
Period	Capture Interval	(cubic ft.)	(grams)	(cubic ft.)	(grams)	Volume	Mass
Q2	Interval 4857	6.10E+07	5.08E-02	6.06E+07	5.06E-02	99.3%	99.7%
	Interval 4838	3.45E+07	2.70E-02	2.71E+07	2.16E-02	78.6%	80.0%
		9.55E+07	7.77E-02	8.77E+07	7.22E-02	91.8%	92.9%
	-			-		-	
Q4	Interval 4857	6.70E+07	6.48E-02	6.63E+07	6.45E-02	99.0%	99.5%
	Interval 4838	4.63E+07	3.78E-02	4.39E+07	3.66E-02	94.7%	96.6%
		1.13E+08	1.03E-01	1.10E+08	1.01E-01	97.2%	98.5%

^a Volume and mass value assumes a uniform total porosity of 25% for the aquifer

Table 5-9
Vertical Capture Anaylsis for the Interim Measure Objective Area

		Plu	me ^a	Vertical	Capture ^a	Percent (	Captured
2016 Sample Period	Dissolved EDB Plume Segment North of Ridgecrest Drive SE	Volume (cubic ft.)	Mass (grams)	Volume (cubic ft.)	Mass (grams)	Volume	Mass
Q2	Above Interval 4838 mid-point	7.60E+07	6.42E-02	3.72E+07	3.11E-02	48.9%	48.5%
		7.60E+07	6.42E-02	3.27E+07	2.87E-02	43.0%	44.7%
	Below Interval 4838 mid-point	1.96E+07	1.35E-02	1.14E+07	7.65E-03	58.2%	56.4%
	Total	9.55E+07	7.77E-02	8.12E+07	6.75E-02	85.0%	86.8%
	-						
Q4	Above Interval 4838 mid-point	8.24E+07	7.91E-02	4.56E+07	4.37E-02	55.3%	55.2%
		8.24E+07	7.91E-02	1.66E+07	1.29E-02	20.1%	16.3%
	Below Interval 4838 mid-point	3.09E+07	2.36E-02	1.52E+07	1.26E-02	49.3%	53.4%
	Total	1.13E+08	1.03E-01	7.74E+07	6.92E-02	68.3%	67.4%

^a Plume and mass value assumes a uniform total porosity of 25% for the aquifer

Table I-6-1
Horizontal Capture Analysis for the Entire Plume Volume

2016	Dissolved EDB Plume		Plui	me ^a	Horizonta	I Capture ^a	Percent	Captured
Sample Period	Segment	Capture Interval	Volume (cubic ft.)	Mass (grams)	Volume (cubic ft.)	Mass (grams)	Volume	Mass
	Above Interval 4838 mid- point	Interval 4857	1.15E+08	6.01E-01	7.93E+07	1.77E-01	69.0%	29.4%
Q2	Below Interval 4838 mid- point	Interval 4838	6.43E+07	1.88E-01	2.71E+07	2.16E-02	42.2%	11.5%
	Total	1.79E+08	7.89E-01	1.06E+08	1.98E-01	59.4%	25.1%	
	Above Interval 4838 mid-	_						
	point	Interval 4857	1.16E+08	8.42E-01	7.64E+07	9.16E-02	66.0%	10.9%
Q4	Below Interval 4838 mid- point Interval 4838		6.87E+07	1.94E-01	5.77E+07	1.00E-01	83.9%	51.7%
	Total	1.85E+08	1.04E+00	1.34E+08	1.92E-01	72.7%	18.5%	

^a Plume and mass value assumes a uniform total porosity of 25% for the aquifer

Table I-6-2
Vertical Capture Analysis for the Entire Plume Volume

2016	Dissolved EDB Plume		Plu	me ^a	Vertical	Capture ^a	Percent (	Captured
Sample Period	Segment	Capture Interval	Volume (cubic ft.)	Mass (grams)	Volume (cubic ft.)	Mass (grams)	Volume	Mass
	Above Interval 4838 mid-	Interval 4857	1.43E+08	7.47E-01	6.07E+07	1.46E-01	42.6%	19.5%
	point	Interval 4838	1.43E+08	7.47E-01	5.44E+07	1.34E-01	38.2%	18.0%
Q2	Below Interval 4838 mid- point	Interval 4838	3.65E+07	4.27E-02	1.46E+07	1.03E-02	40.1%	24.0%
	Total	1.79E+08	7.90E-01	1.30E+08	2.91E-01	72.5%	36.8%	
				1		1	T	
	Above Interval 4838 mid-	Interval 4857	1.43E+08	9.98E-01	6.08E+07	7.05E-02	42.5%	7.1%
	point	Interval 4838	1.43E+08	9.98E-01	4.31E+07	5.52E-01	30.1%	55.3%
Q4	Below Interval 4838 mid- point	Interval 4838	4.16E+07	4.01E-02	1.71E+07	1.46E-02	41.0%	36.4%
	Total	1.85E+08	1.04E+00	1.21E+08	6.37E-01	65.5%	61.4%	

^a Plume and mass value assumes a uniform total porosity of 25% for the aquifer

Table 3-14
Comparison of Analytical Results between Bennett Pumps and Passive Samplers in Source Area Wells, Q4 2017

		V	Vell Location ID:	KAFB-	106005		KAFB-	106006		KAFB-	106008	
			Sample Date:	10/23/2017	10/18/2017	•	10/19	/2017		10/20	/2017	1
			Field Sample ID:		GW005-174D	•	GW006-174	GW006-174D		GW008-174	GW008-174D	1
		Sample Co	llection Method:	Bennett Pump	DMS ^a		Bennett Pump	DMS ^a		Bennett Pump	DMS ^a	
			Project Screening			Relative Percent			Relative Percent			Relative Percent
Parameter	,	Analyte	Level ^d	Result ^b	Result ^b	Difference ^c	Result ^b	Result ^b	Difference ^c	Result ^b	Result ^b	Difference ^c
EDB	Method SW8011 (μg/L)	1,2-dibromoethane	0.05	0.32	0.29	10	0.014 J	0.21	175	4.1	2.5	48
VOCs	Method SW8260C (µg/L)	Benzene	5	230	300	26	37	27	31	2300	2300	0
		Ethylbenzene	700	29	35	19	3	3	0	120	190	45
		Toluene	750	4	3	29	7	0.6 J	168	1700	2000	16
		Xylenes, Total	620	63	75	17	2	< 1 U	NA	310	490	45
Total Metals	Method SW6010C (mg/L)	Calcium	NS	250	243	3	35.2	35.0	1	121	138	13
		Iron, dissolved	1.0	0.164 J	0.189 J	14	0.390 J	0.610	44	3.58	3.55 J	1
		Magnesium	NS	39.7	38.5	3	5.46	5.51	1	20.0	22.5	12
		Manganese, dissolved	0.2	0.136	0.0905	40	0.702	0.798	13	5.80	6.80	16
		Potassium	NS	5.42	5.22	4	2.08	2.01	3	3.31	3.54	7
		Sodium	NS	80.9	77.8	4	22.5	22.1	2	34.8	36.7	5
	Method SW6020A (mg/L)	Arsenic	0.01	< 0.0020 U	< 0.0020 U	NA	0.0010 J	< 0.0020 U	NA	0.00080 J	< 0.0020 U	NA
		Lead	0.015	0.00015 J	< 0.00025 U	NA	< 0.00025 U	< 0.00025 U	NA	< 0.00025 U	0.00030 J	NA
Anions	Method E300.0 (mg/L)	Bromide	NS	3.8	3.5	8	< 2.5 U	< 2.5 U	NA	1.9 J	2.0 J	5
		Chloride	250	211 J	217	3	9.7	9.3	4	16.0	16.8	5
		Sulfate	250	480	529	10	33.8	33.7	0	3.0 J	2.6 J	14
	Method E353.2 (mg/L)	Nitrate/Nitrite Nitrogen	10 ^e	0.50 J	0.062 J	156	0.10 J	0.15 J	40	< 0.10 U	< 0.10 U	NA
Alkalinity	Method SM2320B (mg/L)	Alkalinity, bicarbonate (as CaCO3)	NS	167 J	134	22	107	106	1	344	371	8
		Alkalinity, carbonate (as CaCO3)	NS	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 5.0 U	NA
		Alkalinity, total (as CaCO3)	NS	167 J	134	22	107	106	1	344	371	8

Table 3-14
Comparison of Analytical Results between Bennett Pumps and Passive Samplers in Source Area Wells, Q4 2017

		V	/ell Location ID:	KAFB-	106014				KAFB-106059			
			Sample Date:	10/20/2017	10/19/2017				10/19/2017			
			ield Sample ID:	GW014-174	GW014-174D		GW059-174	GW059-174D		GW059-574	GW059-574D	
		Sample Col	lection Method:	Bennett Pump	DMS ^a		Bennett Pump	DMS ^a		Bennett Pump	DMS ^a	
			Project Screening	·		Relative Percent			Relative Percent			Relative Percent
Parameter	Analytical Method	Analyte	Level ^d	Result ^b	Result ^b	Difference ^c	Result ^b	Result ^b	Difference ^c	Result ^b	Result ^b	Difference ^c
EDB	Method SW8011 (μg/L)	1,2-dibromoethane	0.05	0.85	4.2	133	5.9	1.0	142	6.4	1.0	146
VOCs	Method SW8260C (μg/L)	Benzene	5	160	310	64	15000	3700	121	16000	3600	127
		Ethylbenzene	700	67	45	39	870	86	164	890	86	165
		Toluene	750	170	2	195	18000	6600	93	18000	6300	96
		Xylenes, Total	620	140	2	194	3000	1700	55	3000	1600	61
Total Metals	Method SW6010C (mg/L)	Calcium	NS	67.2	54.8	20	138	113	20	137	138	1
		Iron, dissolved	1.0	< 0.200 U	< 0.200 U	NA	7.38	5.98	21	7.28	5.98	20
		Magnesium	NS	10.2	8.83	14	24.7	20.3	20	24.5	24.7	1
		Manganese, dissolved	0.2	1.19	1.91	46	4.07	3.45	16	4.08	3.49	16
		Potassium	NS	2.79	2.32	18	3.99	3.47	14	3.94	3.99	1
		Sodium	NS	30.4	25.6	17	41.1	34.8	17	40.6	42.1	4
	Method SW6020A (mg/L)	Arsenic	0.01	< 0.0020 U	< 0.0020 U	NA	0.0024 J	0.0020 J	18	0.0023 J	0.0017 J	30
		Lead	0.015	< 0.00025 U	< 0.00025 U	NA	< 0.00025 U	< 0.00025 U	NA	< 0.00025 U	< 0.00025 U	NA
Anions	Method E300.0 (mg/L)	Bromide	NS	1.8 J	1.6 J	12	2.3 J	2.2 J	4	2.3 J	2.0 J	14
		Chloride	250	55.0	23.7	80	61.4	52.6	15	61.0	47.4	25
		Sulfate	250	21.0	17.1	20	< 5.0 U	< 5.0 U	NA	< 5.0 U	3.0 J	NA
	Method E353.2 (mg/L)	Nitrate/Nitrite Nitrogen	10 ^e	< 0.10 U	0.79 J	NA	< 0.10 U	< 0.10 U	NA	< 0.10 U	< 0.10 U	NA
Alkalinity	Method SM2320B (mg/L)	Alkalinity, bicarbonate (as CaCO3)	NS	165	168	2	403	382	5	406	372	9
		Alkalinity, carbonate (as CaCO3)	NS	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 5.0 U	NA
		Alkalinity, total (as CaCO3)	NS	165	168	2	403	382	5	406	372	9

## **Table 3-14**

# Comparison of Analytical Results between Bennett Pumps and Passive Samplers in Source Area Wells, Q4 2017

^a Sample aliquots were collected using dual-membrane samplers.

^b Nondetect results are reported less than the LOD.

^c RPD is calculated as (A-B) / (A+B/2) X 100 where the Bennett pump result is A and the DMS result is B.

-- = sample not analyzed for this parameter

DMS = dual-membrane sampler

EDB = ethylene dibromide (1,2-dibromoethane)

LOD = limit of detection

LOQ = limit of quantitation

NA = RPD is not calculated if both results are nondetect or if one or both of the results are below the LOQ.

RPD = relative percent difference

VOC = volatile organic compound

Shaded = RPD value exceeds 35 percent field duplicate sample precision criteria (Kirtland AFB Quality Assurance Project Plan for Bulk Fuels Facility Expansion of the Dissolved-Phase Plume Groundwater Treatment System Design Solid Waste Management Unit ST-106/SS-111 (USAF 2016)

Qualifiers:

J = Qualifier denotes the analyte was positively identified, but the associated numerical value is estimated.

U = Qualifier denotes the analyte is not detected above the detection limit.

UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 3-15
Comparison of Analytical Results between YSI and Aqua-Troll Parameter Readings for Source Area Wells, Q4 2017

			Well Location ID:	KAFB-	106005		KAFB-	106006		KAFB-	106008		KAFB-	106014	
			Sample Date:	10/23/2017	10/18/2017		10/19/2017	10/19/2017		10/20/2017	10/18/2017		10/20/2017	10/19/2017	
		Sam	ple Depth (ft bgs):	4	83		4	86	]	4	90		49	90	
		Reference	Elevation Interval	48	357		48	357		48	357		48	357	
						Relative			Relative			Relative			Relative
		NMAC	Project			Percent			Percent			Percent			Percent
Parameter	Analyte	NMWQCC ^a	Screening Level ^b	YSI	Aqua-troll	Difference	YSI	Aqua-troll	Difference	YSI	Aqua-troll	Difference	YSI	Aqua-troll	Difference
Field Parameters	Turbidity	NS	NS	10.9	3.63	100.1	2.65	1.43	59.8	9.07	1.5	143.2	3.66	3.00	19.8
	Temperature (°C)	NS	NS	18.3	19.77	7.7	19.9	20.43	2.6	17.50	19.82	12.4	18.80	19.68	4.6
	DO (mg/L)	NS	NS	0.6	0.07	156.9	2.94	.64	128.5	0.28	0.07	120.0	0.32	0.20	46.2
	Spec Cond (µS/cm)	NS	NS	2463	1590.6	43.0	334.5	329.46	1.5	882.00	967.87	9.3	618.00	467.64	27.7
	pH (S.U.)	NS	NS	7.06	7.03	0.4	7.57	7.51	0.8	6.95	6.89	0.9	7.44	7.16	3.8
	ORP (mV)	NS	NS	-154.90	-270.9	54.5	-161.10	-169.50	5.1	-113.30	-152.10	29.2	-210.60	-194.30	8.1

Table 3-15
Comparison of Analytical Results between YSI and Aqua-Troll Parameter Readings for Source Area Wells, Q4 2017

			Well Location ID:	KAFB-	106059	
			Sample Date:	10/19/2017	10/19/2017	
		Sam	ple Depth (ft bgs):	48	38	
		Reference	<b>Elevation Interval</b>	48	57	
						Relative
		NMAC	Project			Percent
Parameter	Analyte	NMWQCC ^a	Screening Level ^b	YSI	Aqua-troll	Difference
Field Parameters	Turbidity	NS	NS	1.66	273.15	197.6
	Temperature (°C)	NS	NS	20.2	19.99	1.0
	DO (mg/L)	NS	NS	0.58	.77	28.1
	Spec Cond (µS/cm)	NS	NS	1016	896.17	12.5
	pH (S.U.)	NS	NS	7.24	6.78	6.6
	ORP (mV)	NS	NS	-134.8	-77.5	54.0

## **Table 3-15**

# Comparison of Analytical Results between YSI and Aqua-Troll Parameter Readings for Source Area Wells, Q4 2017

^a NMWQCC numeric standards per the NMAC Title 20.6.2.3101A, Standards for Groundwater of 10,000 mg/L Total Dissolved Solids Concentration or Less (NMAC 2004). For metals,

μg/L = microgram per liter

μS/cm = microsiemens per centimeter

°C = degree Celsius

EPA = U.S. Environmental Protection Agency

ID = identification

NMAC = New Mexico Administrative Code

NMWQCC = New Mexico Water Quality Control Commission

REG = normal field sample

Spec Cond = Specific Conductivity

S.U. = standard unit

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^b The project screening level was selected to satisfy the requirements of the Kirtland AFB Hazardous Waste Permit Number NM9570024423 as the lowest of (1) NMWQCC numeric standard or (2) EPA MCL. If no NMQWCC standard or MCL exists for any analyte, then the project screening level will be the EPA RSL.

Table 3-1
Groundwater Monitoring Program

1st Quarter		2nd Quarter Semiannual	3rd Quarter	4th Quarter Annual	Former Well Designation and Monitoring Well
Location ID	(January-March)	(April-June)	(July-September)	(October-December)	Objective ^{h,g}
KAFB-106041 ^{b,d}	EDB, metals anions, alkalinity	Newly Adde EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA NA
	EDB, metals anions, alkalinity	BTEX, EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA NA
KAFB-106149-484 ^{b,e}	EDB, metals anions, alkalinity	BTEX, EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA NA
KAFB-106151-484 ^{b,e}	EDB, metals anions, alkalinity	BTEX, EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA NA
KAFB-106152-484 ^{b,e}	EDB, metals anions, alkalinity	BTEX, EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA NA
KAFB-106153-484 ^{b,e}	EDB, metals anions, alkalinity	•	EDB, metals, anions, alkalinity		NA NA
KAFB-106235-463 ^{b,f}		EDB, metals anions, alkalinity		EDB, VOCs, metals, anions, alkalinity	
KAFB-106235-492 ^{b,f}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA NA
KAFB-106235-521 ^{b,f}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA
KAFB-106236-461 ^{b,f}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106236-490 ^{b,f}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	NA
KAFB-106236-519 ^{b,f}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106240-449 ^{b,g}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106241-428 ^{b,g}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106242-418 ^{b,g}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106243-425 ^{b,g}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106244-445 ^{b,g}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
KAFB-106245-460 ^{b,g}	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, metals anions, alkalinity	EDB, VOCs, metals anions, alkalinity	NA
10A1 D-1002-40-400	,	Groundwater Mon		, ,	
KAFB-106001	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106002	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106003	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106004	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106005 ^b	BTEX, EDB, metals, anions, alkalinity	BTEX, EDB, metals, anions, alkalinity	BTEX, EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	Source Area
KAFB-106006	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106007	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106008	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106009 ^b	BTEX, EDB, metals, anions, alkalinity	BTEX, EDB, metals, anions, alkalinity	BTEX, EDB, metals, anions, alkalinity	EDB, VOCs, metals, anions, alkalinity	Source Area
KAFB-106010	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106011	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106012R	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, metals, anions, alkalinity, FP	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106013	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106014	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106015 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106016	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106017	None	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Signal
KAFB-106018	None	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Signal Croundwater Menitoring
KAFB-106019 KAFB-106020	None None	EDB, metals, anions, alkalinity, FP EDB, metals, anions, alkalinity, FP	None None	EDB, VOCs, metals, anions, alkalinity, FP EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring Groundwater Monitoring
	None	EDB, metals, anions, alkalinity  EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity, FP  EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring  Groundwater Monitoring
KAFB-106021 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106022 ^b		EDB, metals, anions, alkalinity  EDB, metals, anions, alkalinity		EDB, VOCs, metals, anions, alkalinity  EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring  Groundwater Monitoring
KAFB-106023 ^b	None	•	None	-	U
KAFB-106024	None None	EDB, metals, anions, alkalinity, FP	None None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106025 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106026 ^c					Groundwater Monitoring
KAFB-106027	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106028	None	BTEX, EDB, metals, anions, alkalinity, FP	None EDB	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106029 ^b	EDB	EDB, metals, anions, alkalinity		EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106030 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal

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Table 3-1
Groundwater Monitoring Program

Location ID	1st Quarter (January-March)	2nd Quarter Semiannual (April-June)	3rd Quarter (July-September)	4th Quarter Annual (October-December)	Former Well Designation and Monitoring Well Objective ^{h,g}
Location is	(January Maron)	Groundwater Monitori	· · · · · · · · · · · · · · · · · · ·	(October December)	Objective
KAFB-106031 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106032 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106033 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106033 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106035 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106035	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106030	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106037	None	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Signal
KAFB-106039	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106040	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106042 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106043 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106044	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106045	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106046	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106047	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106048	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106049 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106050 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106051 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106052 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106053 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106054 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106055 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106055	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106058 ^b KAFB-106059	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity  EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106060	None	BTEX, EDB, metals, anions, alkalinity, FP  BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106061	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106062	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106063	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106064	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106065	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106066	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106067	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106068	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106069	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106070 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106071 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106072 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106073	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106074	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106075	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106076	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106077	None	BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106078	None None	BTEX, EDB, metals, anions, alkalinity, FP BTEX, EDB, metals, anions, alkalinity	None None	EDB, VOCs, metals, anions, alkalinity, FP EDB, VOCs, metals, anions, alkalinity	Source Area Source Area
KAFB-106079 ^b KAFB-106080	None	BTEX, EDB, metals, anions, alkalinity  BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity EDB, VOCs, metals, anions, alkalinity, FP	Source Area

Table 3-1
Groundwater Monitoring Program

Location ID	1st Quarter	2nd Quarter Semiannual	3rd Quarter	4th Quarter Annual	Former Well Designation and Monitoring Well Objective ^{h,g}
Location ID	(January-March)	(April-June)	(July-September)	(October-December)	Objective *
KAFB-106081	None	Groundwater Mon BTEX, EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Source Area
KAFB-106082	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106083	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106084	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106085 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106086 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106087 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106088 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106089 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106090 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106091 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106092 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106093 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106094	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106095 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106096	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring
KAFB-106097	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106098	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106099	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106100	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106101	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106102	BTEX, EDB, FP	BTEX, EDB, metals, anions, alkalinity, FP	BTEX, EDB, FP	EDB, VOCs, metals, anions, alkalinity, FP	VA Proximal
KAFB-106103 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106104 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106105 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106106 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106107 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106201 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106202 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106203 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106204 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106205 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106206 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106207 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106208 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106209 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106212 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106213 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106214 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106215 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106216 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106217 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106217 KAFB-106218 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106219 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity  EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106220 ^b		EDB, metals, anions, alkalimity  EDB, metals, anions, alkalimity		EDB, VOCs, metals, anions, alkalinity  EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring  Groundwater Monitoring
KAFB-106221 ^b	None		None		
KAFB-106222 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal

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Table 3-1
Groundwater Monitoring Program

		2nd Quarter		4th Quarter	Former Well Designation
	1st Quarter	Semiannual	3rd Quarter	Annual	and Monitoring Well
Location ID	(January-March)	(April-June)	(July-September)	(October-December)	Objective ^{h,g}
		Groundwater Moni	toring Wells ^a	•	
KAFB-106223 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106224 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106225 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106226 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106227 ^b	None	EDB, metals, anions, alkalinity	None	EDB, VOCs, metals, anions, alkalinity	Groundwater Monitoring
KAFB-106230 ^c					Groundwater Monitoring
KAFB-106231 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-106232 ^b	EDB	EDB, metals, anions, alkalinity	EDB	EDB, VOCs, metals, anions, alkalinity	Downgradient Proximal
KAFB-3411	None	EDB, metals, anions, alkalinity, FP	None	EDB, VOCs, metals, anions, alkalinity, FP	Groundwater Monitoring

# Table 3-1 Groundwater Monitoring Program

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Newly Added Wells—Newly added wells can include both existing wells that are added to the GWM network as well as newly installed wells. Newly added GWM wells require a minimum of four consecutive quarters of baseline full-suite analytical sampling before receiving a designation that determines the long-term sampling regime. These wells have been added to define the plume boundaries and provide additional water table monitoring due to the rising groundwater alevation.

Source Area Wells—Primarily located in the BFF south of Randolph Road SE and proximal to the spill site on-Base. Sampled during Q2 and Q4. These wells monitor the higher concentrations of dissolved-phase plumes on-Base. Downgradient Proximal Wells—Located north of Ridgecrest Drive SE surrounding the historical EDB plume to the west, north, and east into the distal portion of the GWM network. Analytical data for these wells have been historically below the maximum contaminant level (MCL) for EDB. Sampled every quarter. These wells assist in plume boundary definition.

Veterans Affairs (VA) Proximal Wells—Three sets of nested wells located between the historical EDB plume south of Ridgecrest Drive SE and the Raymond G. Murphy VA Medical Center as a means to detect any potential contaminant migration towards the VA medical campus. Sampled every quarter. These wells provide additional wellhead protection monitoring for the VA supply well.

Signal Wells—Three wells located along the south side of Ridgecrest Drive SE to monitor benzene, toluene, ethylbenzene, and total xylenes (BTEX) and provide early indication if the benzene plume is migrating from the source area into the interim measure target area capture zone created by the groundwater extraction wells. Sampled during Q2 and Q4.

Groundwater Monitoring Wells—Primarily location north of Ridgecrest Drive SE within the historical footprint of the EDB plume. Analytical data from these wells serve to define the volume and mass of the EDB plume throughout the GWM network. Sampled in Q2 and Q4.

BTEX = benzene, toluene, ethylbenzene, and total xylenes

EDB = ethylene dibromide

FP = field parameter

ID = identification

NA = not applicable

VOC = volatile organic compound

USACE, 2018. Quarterly Monitoring Report April-June 2018, Bulk Fuels Facility, SWMU ST-106/SS-111.

Prepared by EA Engineering, Science, and Technology, Inc., PBC for the USACE-Albuquerque District under USACE Contract No. W912WR-12-D-0006. September.

^a The groundwater monitoring network consists of 149 wells that are currently sampled under Solid Waste Management Unit ST106/SS-111. Select wells are identified for additional or more frequent monitoring of risk-driving constituents. Metals analysis consists of select total metals (arsenic, calcium, lead, potassium, magnesium, and sodium) and select dissolved metals (iron and manganese). Anions analysis consists of bromide, chloride, nitrate/nitrite nitrogen, and sulfate. Field parameters include pH, specific conductivity, dissolved oxygen, oxidation reduction potential, temperature, and turbidity.

^b Well sampled with passive sampling methodology; field parameter measurements are not representative and therefore are not collected.

^cWell no longer sampled due to safety concerns.

^d Newly added to the groundwater monitoring network in fourth quarter 2017.

^e Newly added to the groundwater monitoring network in first quarter 2018.

f Newly installed groundwater monitoring well that was completed in fourth quarter 2016.

⁹ Newly installed groundwater monitoring well that was completed in third quarter 2018.

h In previous reports, groundwater monitoring wells were designated based on their location related to groundwater gradient and the EDB plume or on their location, i.e. "downgradient", "source area", etc. However, due to the changing regional groundwater gradient (see Quarter 2 2018 Quarterly Monitoring Report [USACE 2018]), these designations are not always appropriate. To simplify and more accurately represent dynamic hydrologic conditions, all groundwater monitorings wells will be designated simply as "groundwater monitoring well" after completing a baseline sampling of four quarters. Prior to the baseline sampling, the wells will be designated as "newly added".

^g Monitoring Well Objective:

Table I-6-1
Estimated Water Level in Ridgecrest Well Field Wells, Q4 2018

Well	Q4 2017 Water- Level (ft above NAVD88)	Q4 2018 Water- Level (ft above NAVD88)	Distance to Trumbull (miles)	Distance to Del Sol Divider (miles)	Data Type
Montessa Site-B	4877.2	4878.7	na	na	Measured
Jerry Cline-C	4877.3	4877.3	na	na	Measured
Del Sol Divider-3	4880.8	4883.3	na	na	Measured
Trumbull-1A	4870.5	4872.2	na	na	Measured
Ridgecrest 3	4867.3	4868.7	0.70	2.94	Estimated
Ridgecrest 4	4865.4	4866.7	0.73	2.22	Estimated
Ridgecrest 5	4869.2	4870.8	0.27	2.40	Estimated

Notes:

ft = foot/feet

NAVD88 = North American Vertical Datum of 1988

Table I-6-2
Summary of KAFB-106228 Aquifer Test Analysis

Well ID	Radial Distance to the Pumping Well (r, ft)	Reference Elevation Interval (ft amsl)	Maximum Displacement During Pumping (ft)	Drawdown or Recovery	Aquifer Transmissivity (T, ft²/day)	Hydraulic Conductivity (Kh, ft/day)	Specific Yield (Sy, dimensionless)	Storativity (S, dimensionless)	Specific Storage (Ss, per ft)	Vertical to Horizontal Anisotropy Ratio (VANI, dimensionless)
KAFB-106035	58	4857	0.56	Drawdown (Pumping)	52,000	170	0.29	0.63	2.1E-03	0.003
				Recovery (Agarwal plot)	53,000	180	0.11	0.75	2.5E-03	0.001
KAFB-106213	275	4857	0.27	Drawdown (Pumping)	59,000	200	0.04	0.034	1.1E-04	0.02
KAFB-10622	321	4857	0.21	Drawdown (Pumping)	79,000	260	0.16	0.15	5.0E-04	0.002
				Recovery (Agarwal plot)	94,000	310	0.25	0.094	3.1E-04	0.01
KAFB-106036	40	4838	0.66	Drawdown (Pumping)	44,000	150	0.25	0.20	6.7E-04	0.05
				Recovery (Agarwal plot)	45,000	150	0.16	0.26	8.7E-04	0.03
KAFB-106214	296	4838	0.24	Recovery (Agarwal plot)	87,000	290	0.013	0.046	1.5E-04	0.002
KAFB-106212	24	4814	0.97	Drawdown (Pumping)	17,000	60	0.05	0.0009	3.0E-06	0.01
				Recovery (Agarwal plot)	15,000	50	0.11	0.0022	7.3E-06	0.04
KAFB-106037	32	4838	1.15	Drawdown (Pumping)	31,000	100	0.10	0.013	4.3E-05	0.03
				Recovery (Agarwal plot)	30,000	100	0.10	0.014	4.7E-05	0.03
KAFB-106215	330	4814	0.20	Recovery (Agarwal plot)	52,000	170	0.0046	0.0058	1.9E-05	0.02

Table modified from Aquifer Test Report for Groundwater Extraction Well KAFB-106228, Bulk Fuels Facility, Solid Waste Management Unit ST-106/SS-111, Kirtland Air Force Base, New Mexico (USACE, 2016). amsl = above mean sea level

ft = foot/feet

ID = identification

USACE = U.S. Army Corps of Engineers

USACE. 2016. Aquifer Test Report for Groundwater Extraction Well KAFB-106228, Bulk Fuels Facility, Solid Waste Management Unit ST-106/SS-111, Kirtland Air Force Base, New Mexico. Prepared by CB&I Federal Services for the USACE-Albuquerque District under USACE Contract No. W912DY-10-D-0014. July.

Table I-6-3
Model Simulation Comparison Q4 2017 and Q4 2018

Horizontal Hydraulic	2017 Q4 Simulation	Vertical Anisotropy					
Conductivity (ft/day)	Results	0.001	0.005	0.01	0.03	0.05	
90	RMSD	NIA	NIA	NIA	0.442	NA	
80	NRMSD	NA	NA	NA	13.0%	INA	
00	RMSD	NIA	NIA	NIA	0.373	NIA	
90	NRMSD	NA	NA	NA	10.9%	NA	
	RMSD	0.450	0.375	0.351	0.335	0.334	
	NRMSD	13.2%	11.0%	10.3%	9.8%	9.8%	
100	KAFB-106037	-0.67	-0.50	-0.40	-0.25	-0.19	
	KAFB-106092	-0.58	-0.40	-0.29	-0.12	-0.05	
	KAFB-106203	-0.36	-0.36	-0.36	-0.35	-0.35	
	RMSD	0.409	0.344	0.326	0.318	0.319	
	NRMSD	12.0%	10.1%	9.6%	9.3%	9.4%	
110	KAFB-106037	-0.41	-0.27	-0.18	-0.04	0.01	
	KAFB-106092	-0.29	-0.14	-0.05	0.11	0.17	
	KAFB-106203	-0.19	-0.19	-0.19	-0.18	-0.18	
	RMSD	0.388	0.332	0.320	0.317	0.320	
120	NRMSD	11.4%	9.7%	9.4%	9.3%	9.4%	
	KAFB-106037	-0.20	-0.07	0.00	0.13	0.18	
	KAFB-106092	-0.06	0.07	0.16	0.29	0.36	
	KAFB-106203	-0.05	-0.05	-0.05	-0.04	-0.04	
	RMSD		0.333	0.325	0.326	0.329	
	NRMSD	11.2%	9.8%	9.5%	9.6%	9.6%	
130	KAFB-106037	-0.02	0.09	0.16	0.27	0.31	
	KAFB-106092	0.14	0.25	0.33	0.45	0.51	
	KAFB-106203	0.07	0.07	0.07	0.07	0.07	
	RMSD	0.386	0.342	0.336	0.340	0.343	
	NRMSD	11.3%	10.0%	9.9%	10.0%	10.1%	
140	KAFB-106037	0.13	0.23	0.29	0.39	0.43	
	KAFB-106092	0.31	0.41	0.47	0.59	0.64	
	KAFB-106203	0.17	0.17	0.17	0.17	0.18	
	RMSD	0.396	0.355	0.351	0.356	0.359	
	NRMSD	11.6%	10.4%	10.3%	10.4%	10.5%	
150	KAFB-106037	0.27	0.35	0.41	0.50	0.54	
	KAFB-106092	0.46	0.54	0.60	0.71	0.76	
	KAFB-106203	0.26	0.26	0.26	0.26	0.26	
175	RMSD	NΙΔ	NΙΔ	NΙΔ	0.394	NΙΔ	
175	NRMSD	NA	NA	NA	11.6%	NA	
200	RMSD	NIA	NIA	NIA	0.432	NA	
200	NRMSD	- NA	NA	NA	12.7%	NA	
250	RMSD	NIA	NIA	NIA	0.491	NA	
250	NRMSD	- NA	NA	NA	14.4%	NA NA	
300	RMSD	NIA	NIA	NIA	0.534	NA	
300	NRMSD	- NA	NA	NA	15.7%	NA	

Horizontal Hydraulic	2018 Q4 Simulation		Verti	cal Aniso	tropy	
Conductivity (ft/day)	Results	0.001	0.005	0.01	0.03	0.05
80	RMSD	NA	NA	NA	0.545	NA
80	NRMSD	INA	INA	INA	11.9%	INA
90	RMSD	NA	NA	NA	0.513	NA
90	NRMSD	INA	INA	INA	11.2%	INA
	RMSD	0.545	0.499	0.484	0.466	0.461
	NRMSD	11.9%	10.9%	10.5%	10.2%	10.0%
100	KAFB-106037	-0.39	-0.35	-0.30	-0.21	-0.17
	KAFB-106092	NA	NA	NA	NA	NA
	KAFB-106203	-0.07	-0.06	-0.06	-0.06	-0.06
	RMSD	0.518	0.466	0.451	0.436	0.433
	NRMSD	11.3%	10.1%	9.8%	9.5%	9.4%
110	KAFB-106037	-0.19	-0.17	-0.12	-0.05	-0.01
	KAFB-106092	NA	NA	NA	NA	NA
	KAFB-106203	0.10	0.10	0.10	0.11	0.11
	RMSD	0.503	0.445	0.431	0.419	0.416
	NRMSD	10.9%	9.7%	9.4%	9.1%	9.1%
120	KAFB-106037	-0.03	-0.01	0.02	0.09	0.13
	KAFB-106092	NA	NA	NA	NA	NA
	KAFB-106203	0.24	0.24	0.24	0.24	0.24
	RMSD	0.496	0.434	0.421	0.410	0.407
	NRMSD	10.8%	9.5%	9.2%	8.9%	8.9%
130	KAFB-106037	0.11	0.12	0.15	0.21	0.24
	KAFB-106092	NA	NA	NA	NA	NA
	KAFB-106203	0.36	0.36	0.36	0.36	0.36
	RMSD	0.496	0.429	0.416	0.406	0.404
	NRMSD	10.8%	9.3%	9.1%	8.8%	8.8%
140	KAFB-106037	0.23	0.23	0.25	0.31	0.34
	KAFB-106092	NA	NA	NA	NA	NA
	KAFB-106203	0.46	0.46	0.46	0.46	0.46
	RMSD	0.499	0.429	0.416	0.407	0.405
	NRMSD	10.9%	9.3%	9.0%	8.9%	8.8%
150	KAFB-106037	0.34	0.32	0.35	0.40	0.42
	KAFB-106092	NA	NA	NA	NA	NA
	KAFB-106203	0.55	0.55	0.55	0.55	0.55
175	RMSD	NIA	NIA	NIA	0.411	NIA
175	NRMSD	NA	NA	NA	8.9%	NA
000	RMSD	NIA	NIA	NIA	0.431	NIA
200	NRMSD	NA	NA	NA	9.4%	NA
250	RMSD	NIA	NIA	NIA	0.468	NIA
250	NRMSD	NA	NA	NA	10.2%	NA
200	RMSD	NIA	NI A	NI A	0.497	NIA
300	NRMSD	NA	NA	NA	10.8%	NA

Calibration Criteria: NRMSD less than 10%; absolute simulated head error at extraction well drawdown monitoring wells less than 0.34 feet (2017 Q4) and 0.46 feet (2018 Q4).

## Bold text indicates value meets calibration criteria

Light shading indicates simulation meets all calibration criteria

Dark shading identifies best-fit simulation (used to estimate capture)